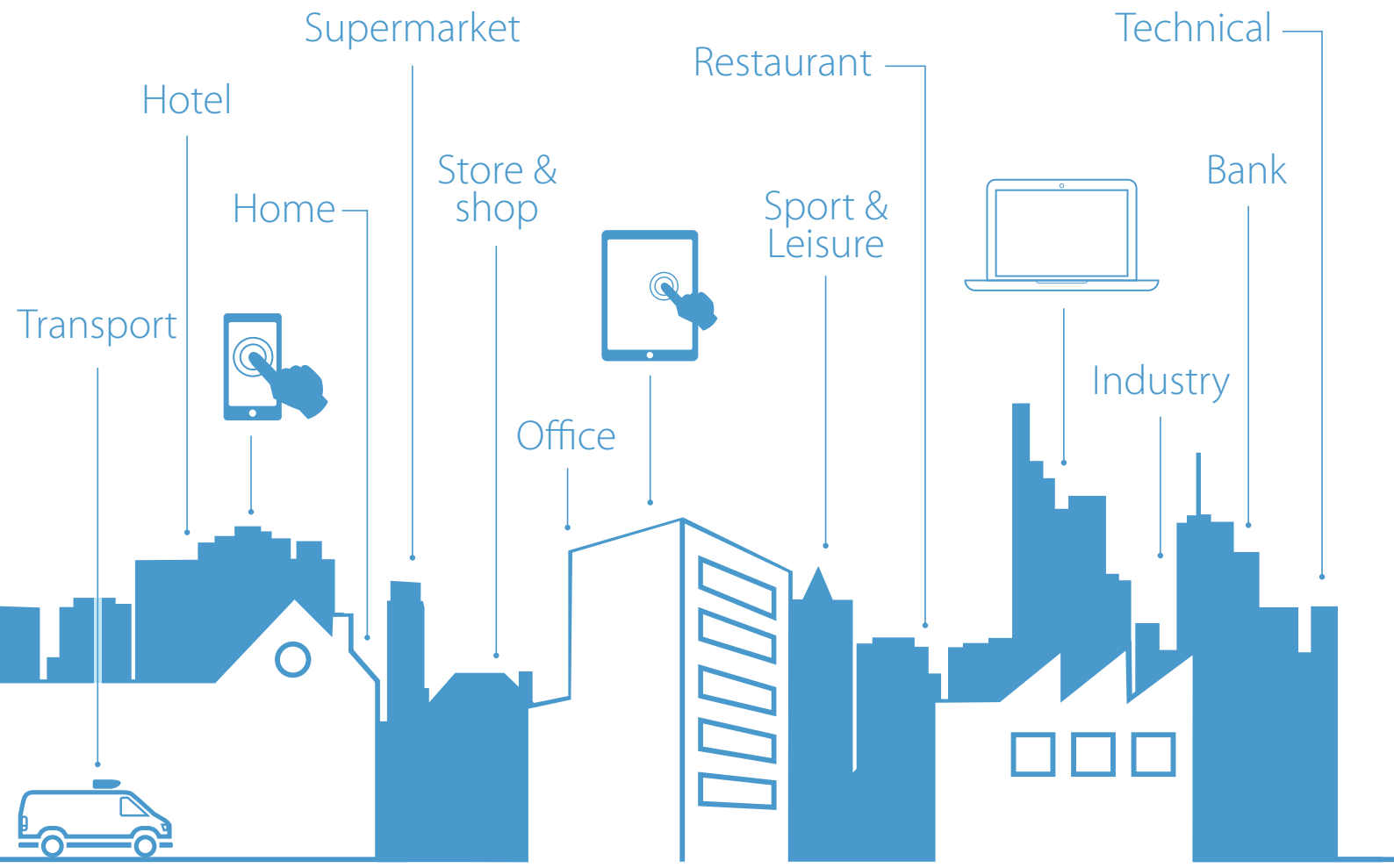
DAIKIN

General catalogue 2023



Working with you to create climate perfection behind every door

Daikin world



Daikin Europe N.V. is a leading manufacturer and supplier of heating, ventilation, air conditioning, refrigeration and control systems for the residential, commercial and industrial markets.

With almost 100 years of experience in air conditioning and climate control solutions, we know what it takes to create the perfect climate.

Our high-quality products are built to deliver peace of mind and sustainable climate solutions. Each unit also includes smart control, which means you have access to control your unit at any time, from anywhere and from any device.

We also offer a reliable network of technical and on-site support services through our online portal. Through online and offline tools, we help you monitor and manage your system to keep it running seamlessly.

As a leading brand, Daikin brings peace of mind by developing innovative and sustainable climate solutions.

For more information, visit daikin.eu
or visit our Business Portal: my.daikin.eu 

Building a sustainable legacy together

Air surrounds us all the time, and in fact our very existence depends on it. At Daikin, the future of the world's indoor air is our greatest concern.

Daikin envisions a world with healthier indoor air while reducing our environmental impact. Driven by a dedication to achieve net zero CO_2 emissions by 2050, we provide **safe, healthy and comfortable spaces** throughout the building life cycle using **world-leading technology.**

Building on our **long-term partnerships**, let's build together now to achieve our goals, protecting the health and wellbeing of every individual.

Supporting in decarbonization

We must act now to ensure we create a long-lasting legacy. As a company that values sustainability, we want to help to **decarbonize** buildings and create a **healthy** environment for generations to come.

Taking on the sustainable transformation, our solutions reduce the CO_2 footprint of buildings, whether they are new builds or renovations:

- Reusing existing refrigerant through **L∞P Daikin**, we **reuse resources** already available in the market, fully supporting the EU circular economy at a low carbon footprint
- If needed we introduce virgin refrigerant through **lower GWP refrigerants** such as R-32 reducing the direct CO2eq impact
- Maximizing sustainability over the entire life cycle, thanks to market-leading **real life seasonal efficiencies**
- Ensuring systems run efficiently 24/7 through **smart controls**

Building for the future

As market leaders in total solutions, we are constantly innovating to offer you a **comfortable, healthy and safe** environment, meeting your needs. Reliability, support and precision are characteristics of our future-proof products and services. We offer:

- A **wide range** of next-generation heat pumps to meet complex demands, including **easy upgrading extending the lifetime of our equipment**
- Expert **indoor air quality solutions** through our ventilation and filtration systems to eliminate pollutants and balance humidity levels

A journey we take together

Together we take on the sustainability journey. We provide expert support throughout the building life cycle and give **peace of mind** by ensuring what we do is future-proof and is helping to build a better future.

- Our team of **experts**, go beyond product support. Together we reach your green objectives.
- We are there for you, **all the time**: via our local customer support teams and e-commerce solutions.
- We're in it for the **long term**. We deliver what we commit to, providing clear and trustworthy data



THE DAIKIN PROMISE

Air is essential to our existence. It has always been Daikin's mission to make the air we breathe and live in the best possible kind of air.

At Daikin we relentlessly strive for excellence in our products and solutions to deliver comfortable and healthy living spaces across the globe. Throughout our nearly 100-year history, we have applied our expertise in heat pump technology to develop innovative heating, cooling, ventilation and air purification for indoor spaces, as well as process cooling and cold chain solutions.

Our people are proud to design, manufacture and bring to market a wide portfolio of equipment and tailor-made solutions for residential, commercial and industrial applications. Daikin equipment silently, invisibly and unobtrusively makes homes, offices, factories, shopping centres, entertainment and leisure facilities places where everyone can feel happy, comfortable and at ease.

Supplying sustainable climate solutions that focus on the ultimate in customer comfort is what we do best. This catalogue is designed to help you find the right equipment to design the ideal solution for your customer's needs, whether that is heating a single family home in winter-time, assuring the optimal temperature in a hospital operating theatre, or equipping a supermarket with a CO_2-neutral refrigeration solution.

This is the Daikin Promise.



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my.daikin.eu

Virtual Experience Centre | Daikin

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Heating

Split

Sky Air

Rooftop

VRV

Commercial ventilation & air purification

Marine Industry

Chillers

Fan coil units

Air Handling Units

Commercial & Transport Refrigeration

Control Systems

What's new in 2023



Streamer technology air purifier Powerful air purification

MC30YV/YB

p. 24

NEW

- Air treatment up to 46m2
- Pure air thanks to 'Catch and Clean' approach
- No need to change filter for 10 years thanks to high performance electrostatic HEPA filter
- Whisper quiet operation (19 dB(A))

COMING SOON



New Air Purifiers with Wi-Fi Connection

MCK70ZW/BFW & MCK70ZH/BFH

p. 32

NEW

- Intelligent air purification and humidification, controlled directly from your device.
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Intuitive display design with coloured Daikin Eye
- Whisper quiet

COMING SOON



MC80Z/ZB

p. 33

NEW

- Intelligent air purification, controlled directly from your device.
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Intuitive display design with coloured Daikin Eye
- Whisper quiet

Daikin Altherma 3 M

EBLA/EDLA04-08E(3)V3

p. 115

NEW

- Monobloc all-in-one concept including all hydraulic parts
- Heating only or reversible air-to-water heat pump
- WLAN cartridge connection standard included
- Possible to combine with domestic hot water tanks
- Optional plug & play integrated 3 kW electric back-up heater
- Available in one phase



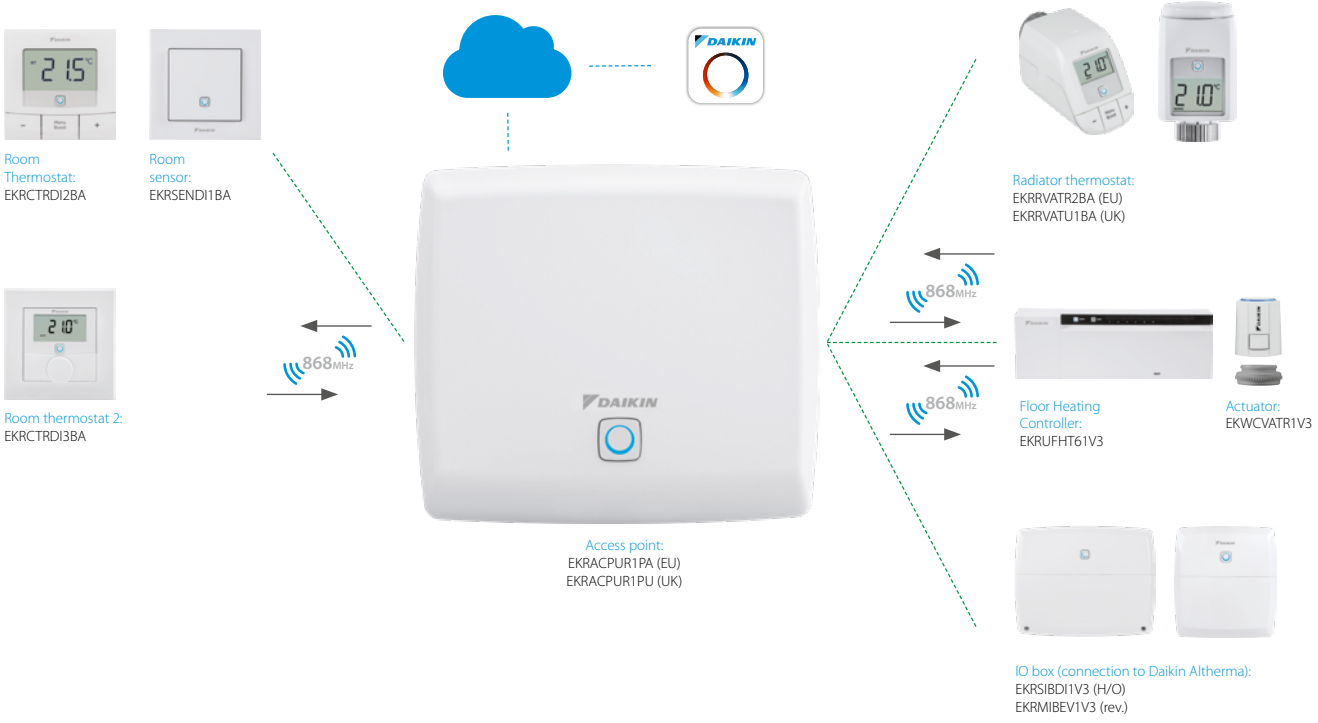
Daikin Home Controls

Wireless range

p. 244

NEW

- Room by room control
- Peace of mind installation thanks to wireless accessories
- Control your heating temperature, at home or remotely







Perfera floor connectable up to 5 port multi

FVXM-A9

p. 322

NEW

- Perfera FVXM-A9 connectable to 2MXM, 3MXM, 4MXM and 5MXM-A9
- Remote monitoring via DCS residential lite
- Refrigerant sensor and alarm



Comfora

FTXP-N

p. 315

NEW

- Standard WLAN, integrated in the PCB
- Remote monitoring via DCS residential lite



Sensira

FTXF-E

p. 316

NEW

› Sensira FTXF20-42E:
- SCOP increase for 20-25-35 classes
- optional remote monitoring via DCS residential lite



Sensira

FTXC-D

p. 317

NEW

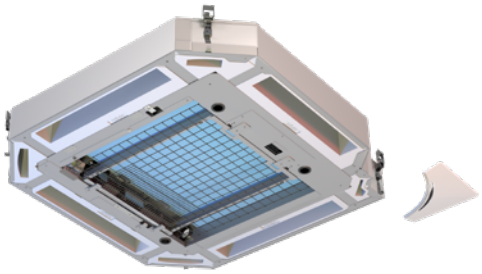
› Sensira FTXC-D: new indoor unit design





UV Streamer kit

BAEF125AWB



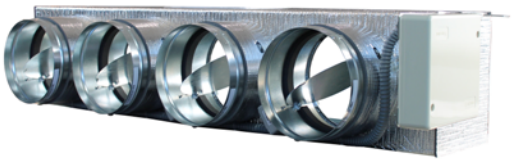
p. 404

NEW

- Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc
- Removes 99.90% of viruses in 30 minutes thanks to the Catch and Clean approach
  - Highly efficient F7 filter (ISO classification under testing)
  - UVC light and Streamer technology for cleaning and decompostion of pollutants
- Available in combination with standard and white Round Flow decoration panels
- Can be reftrofitted into existing installations

Extention of multi zoning kits

AZEZ6DAIBS07



p. 417

NEW

- New lower height range directly connectable to medium ESP concealed ceiling units
- The multi-zoning system is a room-by-room controller, fitted with motorised dampers
- Up to 8 individual zones can be served
- Time-saving as plenum comes fully pre-assembled with dampers and control boards

VRV 5 SHÎRUDO TECHNOLOGY

BLUEVOLUTION

Extending VRV 5 total solution



p. 476
p. 558
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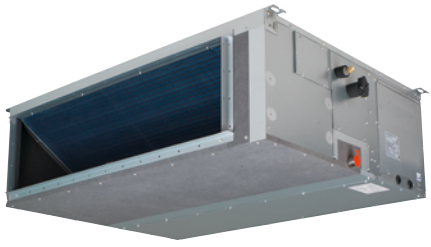
NEW

Extending our market-leading portfolio

- Integration of new R-32 Biddle air curtains
- Integration of AHU's via new extended range of expansion valve kits and control boxes
- Maximum design flexibility, thanks to Shîrudo Technology
- Top sustainability over the entire lifecycle

Concealed ceiling unit with high ESP

FXMQ-A



p. 547

NEW

- Ideal for large sized spaces, ESP up to 270Pa
- Large capacity up to 31.5 kW
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Drain pump available as option
- Pre-filters and high efficiency filter options

Modular T Smart

ATB / ATB-S

p. 574

NEW

- Top connected Air Handling Unit, reducing the unit's footprint
- Superior IAQ level: filtration on supply side up to ePM1.0 90%
- Plug&Play control solution, for a quick and easy start-up
- DX coil integration to connect to VRV or ERQ

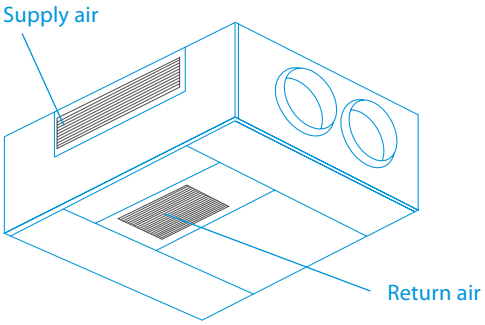


Plug&Play heat recovery ventilation unit

p. 583

NEW

- For Schools and light commercial applications with an immediate need for fresh air
- Unit does not require any ductwork for supply or return air keeping interior works to a minimum



Intelligent Touch Manager

DCM601B51

p. 920

UPDATE

- New power cut off & Quiet operation control
- Improved Touch Panel operability
- New Software version 1.31.00
- ITM plus adaptor replaced by DIII Plus adaptor & slot with new design



Evolutionary smart control and remote monitoring platform for diverse HVAC solutions

p. 914

NEW

- Monitor and control your system from anywhere at anytime
- Control multiple sites at once
- Next generation cloud
- Minimize downtime and keep your installation at optimum condition
- Scalable connectivity and integration possibilities with a new edge controller
- Reduce energy consumption and decrease costs, while meeting your sustainability goals
- Extensive connectivity and integration possibilities
- Advanced security



Open Protocol Cassette

FWH-A + FWI-A

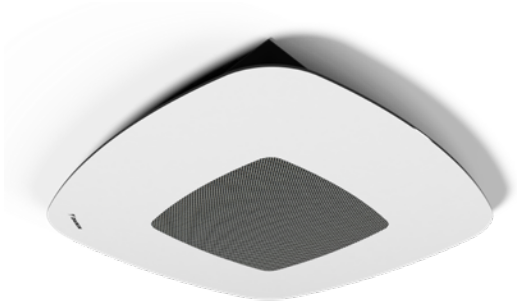


p. 730
p. 736

NEW

- AC and BLDC technologies
- 2 pipe and 4 pipe applications
- Total Cooling Capacity from 1 to 10 kW
- 2x2 and 3x3 panel depending on the cassette size
- 2- & 3-way valve, on-off and proportional, supplied loose or factory mounted
- Pressure Independent Control Valve
- RAL 9003 panel
- Optional "Coanda effect" panel
- Accessories: plenum for supply - plenum for fresh air

Coanda effect decoration panel



p. 731

NEW

- Optimized air diffusion thanks to the Coanda effect
- Dibond metal panel combined with the insulating properties of polyethylene to prevent condensation

Simplified Wall Controller

FWEC2T/FWEC4T/FWEC10



p. 736

NEW

- Three models: 2 pipe, 4 pipe, BLDC fan-motor
- Mounted on the wall or on the side of the unit with a dedicated kit
- Simplified but complete FCU control (valve control included)
- Optional remote temperature probe (air/water) for automatic changeover or ventilation consent

CO_2 ZEAS



New propane monoblock

NEW

- R290 natural refrigerant (GWP = 3)
- Green and future proof
- MT/LT range in the same unit
- Inverter technology:
  - High efficiency
  - Low noise
  - Cost-saving
- Easily retrofittable
- Easy installation and easy access for maintenance
- Master/Slave configuration
- Ceiling mounted available
- Innovative remote monitoring system with dedicated App and Cloud services



DAIKIN EXIGO E1500

EXIGO

p. 888

NEW

- Full variable speed achieving lower fuel consumption than fixed speed units
- Electric architecture providing 15kW true capacity both on the road and the grid
- Highest cooling power of the category in frozen applications
- Ease of fleet management via advanced telematics, compatible across platforms
- Daikin components with proven reliability and lightweight design (over 100kg lighter)



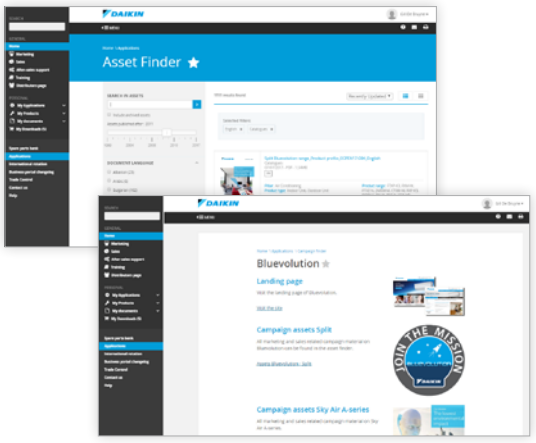
Tools and platforms

We're here to help you!



Literature

See all the literature available (catalogues, flyers, solution guides, product profiles, product portfolios, reference book...)
› for you
› for your customers



my.daikin.eu

Sales supporting apps

We offer a variety of building modelling, selection, simulation and quotation software tools to support your sales.

An overview of all tools available can be found here

my.daikin.eu/denv/en_US/home/applications/select software finder

Webinar platform

Online seminars are a new way of sharing information with you. As this is not restricted in time or place, it is convenient for you to watch it whenever you want.

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B2B Virtual experience center

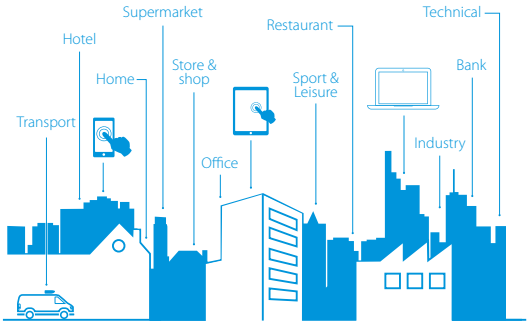
An online showroom where Daikin's product portfolio can be discovered. View the products and learn more about their functionalities in a virtual way.

Check it out:



Internet

Find our solution for different applications:



www.daikin.eu

› **As Customer:**
Experience your perfect climate with Daikin.



› **As Installer:**
Build your business with Daikin.



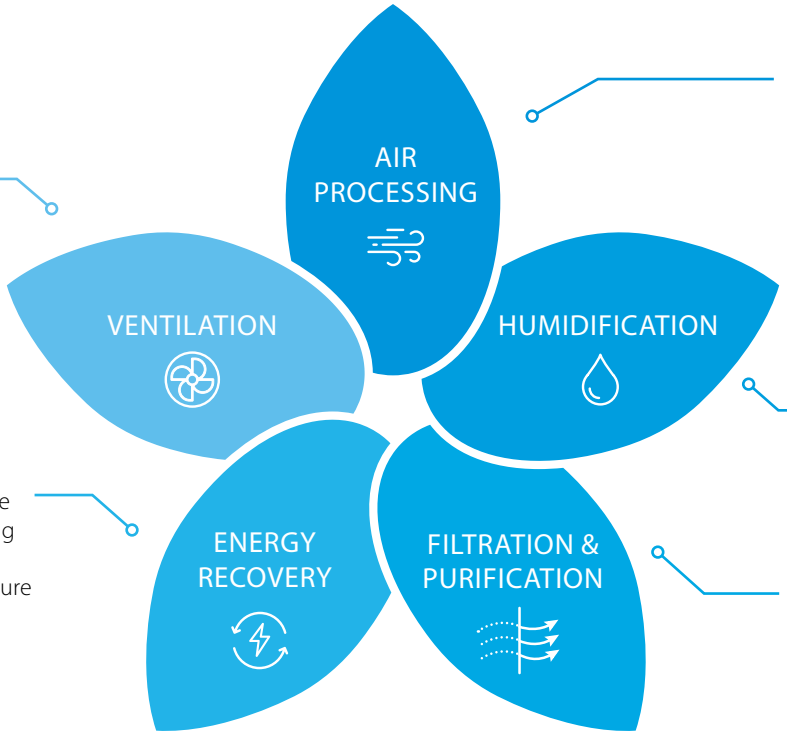
› **As Architect & Consultant:**
Create the perfect climate with Daikin.



Why Indoor Air Quality?

- Indoor Air Quality (IAQ) is a measure of the air quality indoors, as breathed in by the building's occupants.
- New residential buildings, schools, offices or light commercial buildings often neglect indoor air quality.
- Because of pollutants, such as pollen, bacteria and others, the indoor air quality can be 2 to 5 times worse than outdoors.
- Since 90% of our lives is spent indoors, it is crucial to invest in good air quality.

5 components for ensuring good Indoor Air Quality



Ventilation

Ventilation systems ensure **optimal climate conditions** by providing a **fresh, healthy and comfortable** environment for buildings of all sizes and applications. When a room is enclosed, air cannot easily enter or leave, allowing airborne pollutants to remain and accumulate within the space. This concentration could have an impact on the health of the room's occupants. **Ventilation is essential for diluting and removing these pollutants.**

A **well-maintained ventilation system** and **adequate air-exchange rate** have been demonstrated to be an effective solution to **protect people** from contaminants, including viruses.

Filtration & air purification

Virus particles can piggyback on larger dust particles or droplets and travel through a building. Infectious diseases can be controlled by interrupting the transmission routes used by a pathogen. Using **high efficiency air filters** in air conditioning and ventilation systems can help to **capture the majority of airborne particles, thus reducing the concentration of bacteria and viruses in the air**, and therefore reducing the risk of airborne transmission.

Indoor air quality for residential and light commercial applications

Residential & light commercial air purification 18

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Pure air because we care

Breathe healthy and humidified air with Daikin Air Purifiers

MCK70Y

STREAMER HUMIDIFY



- Air flow up to **420 m³/h**
- Air purification up to **96 m²**
- **650 ml/h** humidifying capacity
- Absorbs odour via **deodorising** filter
- High Performing Electrostatic **HEPA filter**

MCK55W

STREAMER HUMIDIFY



- Air flow up to **330 m³/h**
- Air purification up to **82 m²**
- **500 ml/h** humidifying capacity
- Absorbs odour via **deodorising** filter
- High Performing Electrostatic **HEPA filter**

MC55W

STREAMER



- Air flow up to **330 m³/h**
- Air purification up to **82 m²**
- Absorbs odour via **deodorising** filter
- High Performing Electrostatic **HEPA filter**

MC30Y

STREAMER



- Air flow up to **180 m³/h**
- Air purification up to **46 m²**
- Absorbs odour via **deodorising** filter
- High Performing Electrostatic **HEPA filter**

What makes Daikin Air Purifiers unique?

No hassle with periodic filter replacements

Daikin's guaranteed full cleaning capacity reduces the risk that the air purifier is not working due to a polluted HEPA filter

No maintenance costs for at least 10 years

No need to change the filters in the first 10 years after unit purchase, avoiding additional costs for regular filter changes.

One of the most silent air purifier range on the European market

Our air purifiers are whisper quiet during **quiet operation** (sound pressure level: 19 dBA), providing you pure air without noticing.

Daikin unique's Catch, Cycle, Clean approach

3 steps to decompose harmful substances

1

Powerful suction

Takes in air over a wide area from 3 directions.



2

Effective capturing of pollutants

Efficiently catches dust and pollutants with an electrostatic HEPA filter.



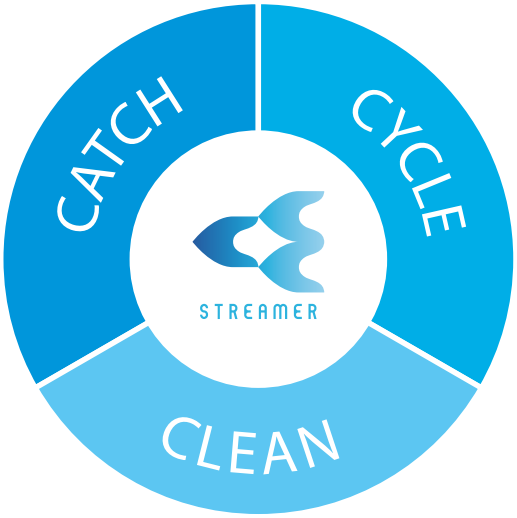
3

Decomposition

Uses Daikin's Streamer technology to decompose, by oxidation, harmful substances caught on the filter.

STREAMER

The Streamer Symbol consists of three C's



CATCH
The dust collection filter catches the floating substances with the attached harmful gases and Streamer decomposes the gases by oxidation.

CYCLE
The deodorising filter absorbs and decomposes odour. Thanks to the regeneration of the adsorbing capacity, the deodorising capacity is maintained.
No need to change the deodorising filter.

CLEAN
Removes bacteria from dust collection filter, humidifying filter and humidifying water tray.

Our Certificates

Efficient against allergens as recognized by BAF (British Allergy Foundation)

The Allergy UK Seal of Approval reassures that the product is efficient at reducing small particulates which may include allergens, bacteria and viruses.

Approved allergy-friendly quality of this product/service is certified by the European Centre for Allergy Research Foundation

An independent advisory panel of 15 leading international scientists and technicians has developed the criteria ECARF used to evaluate different product groups. They include threshold values and exclusion criteria that make an allergic reaction very unlikely. The criteria are regularly updated to reflect the latest scientific findings. A product receives the Seal when it can be proved through audits or studies that the criteria have been fulfilled. The Daikin Air Purifiers passed these tests and can be considered as allergy-friendly.
Not applicable on Air Purifiers with Humidifying function, for MC3OYV/YB test are still ongoing.

Proven effectiveness against respiratory viruses (among others human coronavirus HCoV-229E) evaluated by Institut Pasteur de Lille*

99.98%

of **coronavirus** removed in **2.5 minutes***.

According to tests performed in the laboratories of the Institut Pasteur de Lille, Daikin's air purifiers remove more than **99.98%** the human coronavirus HCoV-229E in **2.5 minutes***. This virus is of the same family as SARS-CoV-2, the coronavirus behind the COVID-19 pandemic.

The units have also been evaluated as 99.93% effective against the H1N1 virus in 2.5 minutes*. H1N1 is the virus causing common flu. This means Daikin's air purifiers are an additional measure in the fight against respiratory diseases. Our compact plug-and-play purifiers, whose effectiveness is achieved through a combination of the high performance electrostatic HEPA filter, which traps the virus, followed by an intense exposure to Daikin's patented Flash Streamer technology, which removes the virus, can strongly contribute to reducing the risk of respiratory virus transmission.



Our Partnership with Institut Pasteur de Lille

What?

› The Institut Pasteur de Lille is a research foundation, which was founded in 1894. Created to respond to the epidemics of the 19th century, the Institut Pasteur de Lille has been fighting diseases for more than 120 years through research on pathogens, the development of vaccines and drugs and the promotion of preventive measures and good hygiene practices. The Institut Pasteur de Lille is a member of the international network of institutes Pasteur. Present in 25 countries on all continents, the Network brings together 32 institutions united by common missions and values for the benefit of populations. The mission is to put science at the service of health. Today, the Pasteur Institute of Lille has 33 research teams, more than 800 persons, working every day to understand and fight against diseases, to slow down their development and to imagine the treatments of tomorrow.

› The Institut has, for several years, been supporting manufacturers and their research centres in the development of new products and innovations for the evaluation of anti-microbial efficacy. In the actual pandemic context, they have focused in particular on the fight against respiratory viruses. They have evaluated the effectiveness of products and technologies to limit the spread of these viruses. They have tested disinfectants, but also different materials with antiviral properties, for example metal surfaces, glass surfaces, textiles or masks. And still in this concern to control air contamination by respiratory viruses, they have studied devices, such as purifiers, or other air treatment systems that can help reduce the amount of viruses in the air.

Tested by Institut Pasteur de Lille

What does this mean for our Air Purifiers?

› As a specialist in air quality management, Daikin sees it as its mission to provide innovative solutions and has been selling air purifiers for over 45 years. Its air purifiers and patented air purifying technology, which is applied in other Daikin equipment, have long since proven their effectiveness against air pollution, as well as seasonal pollen and viruses. To reinforce the claim of the effectiveness of its technology, Daikin Europe N.V. entrusted the Institut Pasteur de Lille with the testing of its range of air purifiers. It has now been formally proven that the Daikin models remove more than 99.98% of the human coronavirus HCoV-229E in 2.5 minutes. This is an important achievement.

*Daikin device MCK55WVM (commercial name MCK55W), tested by Institut Pasteur de Lille, removes 99.996 % of Human Coronavirus HCoV-229E in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m^3, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses. | Daikin device MC55WVM (commercial names MC55W/VB), tested by Institut Pasteur de Lille, removes 99.98 % of Human Coronavirus HCoV-229E in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.4 m^3, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses. | Daikin device MCK55WVM (commercial name MCK55W), tested by Institut Pasteur de Lille, removes 99.986 % of Influenza A virus subtype H1N1 in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m^3, no air renewal). | Daikin device MC55WVM (commercial names MC55W/VB), tested by Institut Pasteur de Lille, removes 99.93 % of Influenza A virus subtype H1N1 in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m^3, no air renewal)

'Daikin device MCK70YVM (commercial names MCK70YV/YB), tested by Institut Pasteur de Lille, removes 99.98 % of Human Coronavirus HCoV-229E in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.3 m3, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses.'

'Daikin device MCK70YVM (commercial names MCK70YV/YB), tested by Institut Pasteur de Lille, removes 99.65 % of Influenza A virus subtype H1N1 in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.3 m3, no air renewal).'

Air purifier technologies



Daikin's unique double method

OUTSIDE

Active plasma ion discharge

Plasma ion technology releases ions into the air by plasma discharge and combines them with components in the air to generate active components such as OH radicals with strong oxidising power. They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation.

Mechanism of reduction by active plasma ions

Concentration:
25,000 ions/cm^3

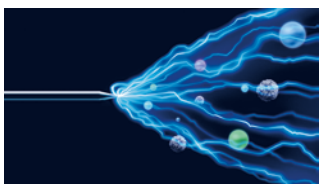
- Daikin's plasma ions have been proved safe, in relation to the effect on skin, eyes and respiratory organs.
- Testing organization: Life Science Laboratories, Ltd.
- Name of test: repeated-dose toxicity test.
- Test number: 12-II A2-0401 Mechanism of reduction by active plasma ions.

INSIDE

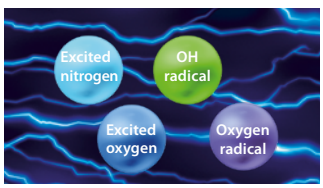
Streamer decomposes hazardous elements

Streamer, a type of plasma discharge, decomposes hazardous chemical substances. The decomposition power is comparable to thermal energy of about 100,000°C.

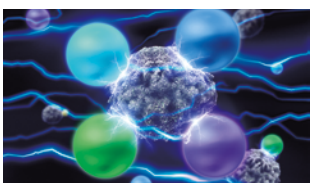
Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of elements.



These elements provide decomposition power.

High performance HEPA filter to catch fine particles of dust

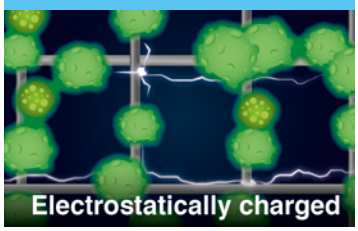


Removes 99% of particles between 0.1µm and 2.5µm in size.

STEP 1	STEP 2	RESULT
The filter collects dust efficiently with **electrostatic forces**. It is **not prone to clogging** compared with non-electrostatic HEPA filters which collect particles only by the fineness of the mesh.	Therefore, a larger amount of air can pass through the filter.	The filter can purify a larger amount of air!

Comparison between electrostatic HEPA filter and non-electrostatic filter

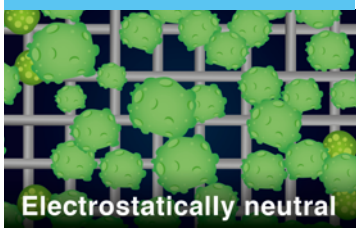
Electrostatic HEPA filter



- Removes 99.97% of fine particles of 0.3µm.
- Filter fiber itself is charged with static. electricity, and collects particles efficiently.
- Doesn't clog easily, hence causes low pressure loss.

VERSUS

Non-electrostatic filter



Because it catches particles relying only on mesh size, it is necessary to make mesh finer, making it easy to be clogged and cause high pressure loss.

About the dust collection and deodorizing capacity of an air purifier:
- Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.
- Not all odour components that emanate continuously (from building materials and pets, etc.) can be removed.

The Daikin air purifier is not a medical device and is not meant to be used as a substitute to any medical or pharmaceutical treatment.

HEPA filtration effect claims:
- Removes 99% of particles between 0.1µm and 2.5µm in size: test method: Japan Electrical Manufacturers' Association Standard JEM1467. Criterion: Remove 99% of fine particulate matters of 0.1 to 2.5µm in a closed space of 32m³ within 90 minutes. (Converted to a value in a test space of 32m³).

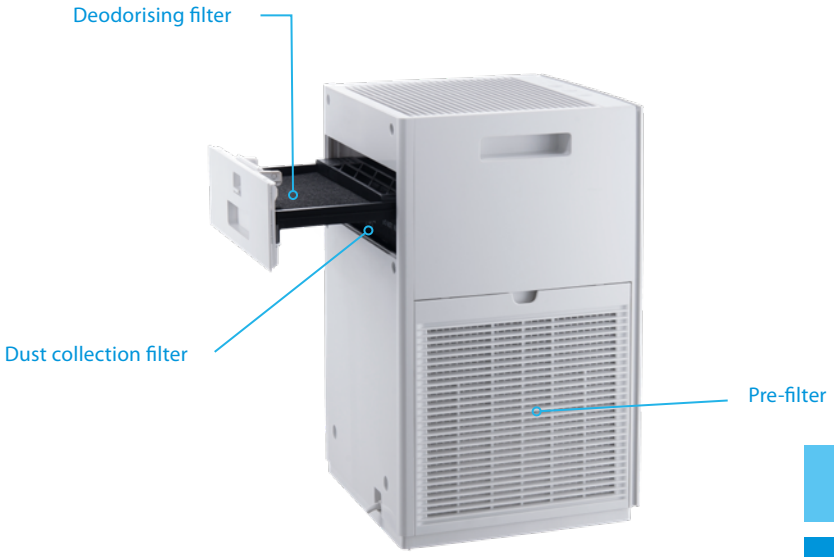
Deodorization/gas removal effect claims:
- Reduction of gases by oxidation: testing organization: Life Science Research Laboratory. Test method: After operating a gasoline engine for 10 minutes (when particulate concentration reached 60mg/m³), operated the air purifier for 80 minutes to absorb polluting particles emitted from the engine. Operated this air purifier for 24 hours in a closed space of 200L and measured the effect to decompose gases. Test result: Compared with a test without Streamer irradiation, gas components were reduced by 63% in 9 hours. Test number: LSRL-83023-702. Test unit: Tested with MCK70N (Japanese model).
- Adsorption and decomposition of odours: placed the air purifier and an odour component, acetaldehyde, in a box of 21 m³ and operated the air purifier. Examined increase of concentration of product (CO_2) generated by decomposition of acetaldehyde by Streamer (evaluation by Daikin). Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series.
- Formaldehyde decomposition: test method: constant generation method. Test room: 22 to 24 m³, temperature: 23 ± 3°C, humidity: 50 ± 20%. Ventilation condition: When concentration of 0.2 ppm is continually emanated, a removal capacity of 0.08 ppm is maintained at 36 m³/h, which is within the guideline of the Ministry of Health, Labour and Welfare in Japan. (This equates to the ventilation capacity of an approximately 65 m³ room.)

Substance decomposition effect claims:
- Removal of bacteria from dust collection filter: testing organization: Japan Food Research Laboratories. Test number: 15044988001-0201. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a dust collection filter installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).
- Removal of bacteria from humidifying filter: testing organization: Japan Food Research Laboratories. Test number: 15044989001-0101. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a humidifying filter installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Object part: Humidifying filter. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).
- Allergen decomposition and removal: various allergens were irradiated by streamer discharge and the breakdown of protein in the allergens was verified using the ELISA method, cataphoresis, or an electron microscope (Joint research with Wakayama Medical University). Test example: 'Japanese cedar pollen Cryj-1'. Test result: 99.6% or more decomposed and removed in 2 hours (ELISA method); 96.9% decomposed and removed in 4 hours (other measurement method). Note: test performed on the flash streamer module.
- Virus removal ref. 1: testing organization: Kitasato Research Center for Environmental Science. Test result certificate 21_0026 (issued by same organization). Result of experiment: 99.9% removal of A-H1N1 virus after 1 hour. Note: test performed on the flash streamer module.
- Virus removal ref. 2: testing organization: Vietnamese Institute of Hygiene and Epidemiology. Result of experiment: over 99.9% removal of A-H5N1 virus in 3 hours. Note: test performed on the flash streamer module.
- Virus removal ref. 3: testing organization: Graduate School of Kobe University. Result of experiment: over 96% removal of Norovirus in 24 hours. Note: test performed on the flash streamer module.



Streamer technology air purifier

Powerful air purification



MC30YV/YB

- Air treatment up to 46m^2
- Pure air thanks to **'Catch and Clean'** approach
- No need to change filter for 10 years thanks to high performance electrostatic HEPA filter
- Whisper quiet operation (19 dB(A))

MC30YV/YB*

DUST COLLECTION

DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION

Air purification

Airflow

3.0 m^3/min.

180 m^3/hour

Applicable room area

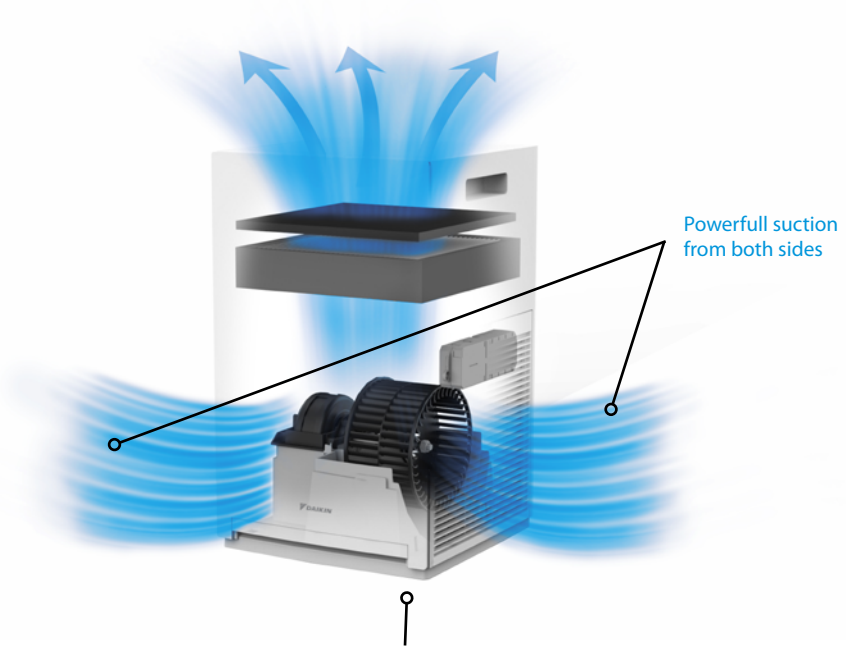
~46 m^{2**}

* UK plug

** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467.

Tower Type structure

resulting in Cleaner air delivery, lower sound level and effective 3-way air flow





Specifications

More details and final information can be found by scanning or clicking the QR codes.

MC30YV

MC30YB

Technical specifications				MC	MC30YV/YB
Application					Floor Standing Type
Applicable room area					23 (1) / 46 (2)
CADR				m^3/h	180
Weight	Unit			kg	5.8
Dimensions				mm	565/350/345
Casing	Colour				White
Fan	Type				Multi Blade Fan (Sirocco fan)
	Air flow rate	Air purifying operation	Silent/Medium/ Turbo	m^3/h	60/120/180
Sound pressure level	Air purifying operation	Silent/Medium/Turbo		dBA	19/27/37
Air purifying operation	Power input	Silent/Medium/Turbo		kW	0.008/0.015/0.025
Deodorizing method					Flash streamer + Deodorizing catalyst
Dust collecting method					Electrostatic HEPA filter
Air filter	Type				Polyethylene terephthalate net
Sign	Item	01			Child proof lock lamp/ ON/OFF lamp Streamer lamp/ Sleep mode
Power supply		Phase Frequency Voltage		Hz Hz V	1~ 50/60 220-240/220-30
Type					Air Purifier

Standard accessories: Electrostatic HEPA filter; Quantity : 1;

Standard accessories: Deodorising filter; Quantity : 1;

Standard accessories: Operation manual; Quantity : 1;

Note

(1) The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be remover in 30 minutes. (JEM 1467) | (2) The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area was calculated in accordance with NRCC-54013 standard using cigarette smoke CADR that was tested accoring to JEM1467. | Converted to CADR standards from test values in accordance with JEM1467. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function : Auto-restart function.

Model debut in a compact and stylish design



MC55W/VB*

- Effectiveness against respiratory viruses evaluated by Institut Pasteur de Lille
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance HEPA filter with no need to change for 10 years
- Whisper quiet

MC55W/VB*

DUST COLLECTION	DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION

Air purification only

Airflow 5.5 m^3/min. 330 m^3/hour

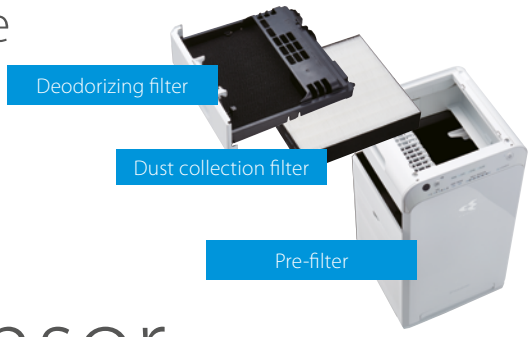
Applicable room area

~82 m^{2**}

* UK plug
** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467.

Compact, effective and quiet

thanks to the new, innovative structure



Triple Detection sensor

to quickly detect air pollution

Equipped with a high sensitivity dust sensor that distinguishes small particles such as $PM_{2.5}$ and larger particles of dust and reacts accordingly. Triple detection of dust, $PM_{2.5}$ and odour is provided.

Functions

Dust ($PM_{2.5}$/dust) and odour sensor lamps	x
Streamer discharge	x
Active plasma ion	x
Electrostatic HEPA filter	x
Streamer regenerated deodorizing filter	x
Econo mode	x
Auto fan mode	x
Anti-pollen mode	x
Turbo mode	x
Child proof lock	x
Brightness adjustment	x
Auto restart after power failure	x
Stabilizer free	x



Allergy-friendly Quality Tested ECARF www.ecarf-siegel.org

Tested by Institut Pasteur de Lille

BRITISH ALLERGY FOUNDATION • ALLERGY UK SEAL OF APPROVAL •

Specifications

More details and final information can be found by scanning or clicking the QR codes. MC55W MC55VB

Single Unit					**MC55W / MC55VB**
Application					Floor standing type
Applicable room area				m^2	41 (1) / 82 (2)
Dimensions	Unit	HeightxWidthxDepth		mm	500x270x270
Weight	Unit			kg	6.8
Casing	Colour				White
Fan	Type				Multi Blade Fan (Sirocco fan)
	Air flow rate	Air purifying operation	Silent/Low/ Medium/Turbo	m^3/h	66/120/192/330
Sound pressure level	Air purifying operation		Silent/Low/ Medium/Turbo	dBA	19/29/39/53
Air purifying operation	Power input		Silent/Low/ Medium/Turbo	kW	0.008/0.010/0.015/0.037
Deodorizing method					Flash streamer + Deodorizing catalyst
Dust collecting method					Electrostatic HEPA filter
Air filter	Type				Polyethylene terephthalate net
Sign	Item	01			Dust Sign: 3 stages / Odour: 3 stages / Anti-pollen mode / Child proof lock lamp / PM2.5 sensor lamp: 6 stages / Airflow rate: Quiet/Low/Standard/Turbo / AUTO FAN mode / Econo mode / ON/OFF lamp / Streamer lamp
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230
Power plug					W: C type/VB: G type (UK)
Type					Air Purifier

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) | Operating sound levels are the average of values measured at 1 m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function: Active plasmation function. Auto-restart function.

About the dust collection and deodorizing capacity of an air purifier:
› Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.
› Not all odour components that emanate continuously (from building materials and pets, etc.) can be removed.
The Daikin air purifier is not a medical device and is not meant to be used as a substitute to any medical or pharmaceutical treatment.

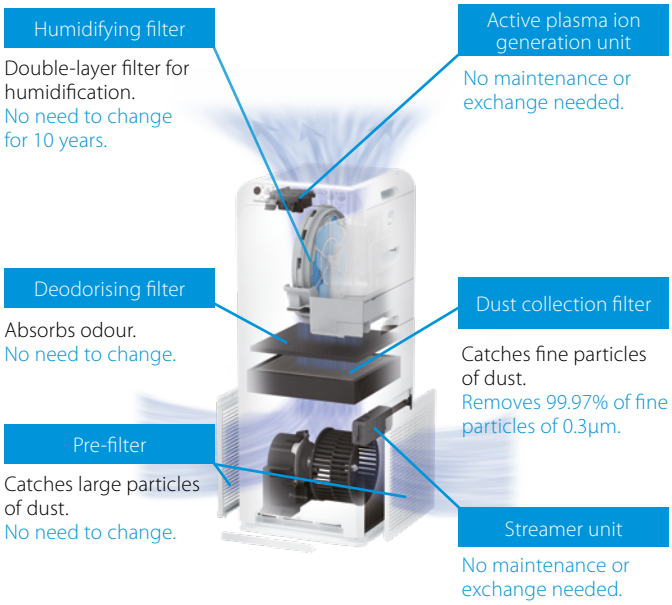
Humidification & air purification in one



MCK55W

- Effectiveness against respiratory viruses evaluated by Institut Pasteur de Lille
- Humidification and purification in one
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance HEPA filter with no need to change for 10 years
- Whisper quiet

Optimal room air distribution thanks to unique vertical structure



It may become necessary to change out items that usually do not require replacing due to environmental and operational conditions.

MCK55W

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

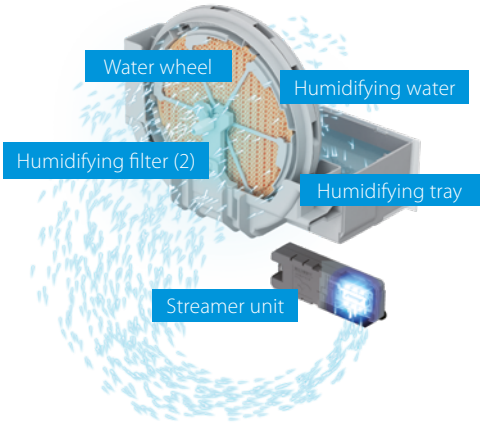
AIR PURIFICATION	HUMIDIFYING CAPACITY
Humidification + Air purification Airflow 5.5 m^3/min. 330 m^3/hour	500 ml/h
Applicable room area ~82 m^{2*}	

* Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467.

Powerful humidification to protect against air dryness and viruses

BENEFITS

- Protects the skin, the throat and the nostrils from dryness.
- Protects against viruses by maintaining appropriate humidity of the room.
- Indicates humidity of the room.
- Eliminates bacteria on the humidifying filter.
- Reduces bacteria in humidifying water by Streamer.



Triple Detection sensor to quickly detect air pollution

Equipped with a high sensitivity dust sensor that distinguishes small particles such as $PM_{2.5}$ and larger particles of dust and reacts accordingly. Triple detection of dust, $PM_{2.5}$ and odour is provided.

STREAMER

Functions

Humidification	x
Temperature and humidity sensors	x
Dust ($PM_{2.5}$/dust) and odour sensor lamps	x
Streamer discharge	x
Active plasma ion	x
Electrostatic HEPA filter	x
Streamer regenerated deodorizing filter	x
Moist mode	x
Econo mode	x
Auto fan mode	x
Anti-pollen mode	x
Turbo mode	x
Child proof lock	x
Brightness adjustment	x
Auto-restart after power failure	x
Stabilizer free	x





Tested by Institut Pasteur de Lille

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More details and final information can be found by scanning or clicking the QR codes.

MCK55W

Specifications

Single Unit					**MCK55W**
Application					Floor standing type
Applicable room area				m^2	41 (1) / 82 (2)
Dimensions	Unit	HeightxWidthxDepth		mm	700x270x270
Weight	Unit			kg	9.5
Casing	Colour				White
Fan	Type				Multi Blade Fan (Sirocco fan)
	Air flow rate	Air purifying operation	Silent/Low/ Medium/Turbo	m^3/h	54/120/192/330
		Humidifying operation	Silent/Low/ Medium/Turbo	m^3/h	102/144/192/330
Sound pressure level	Air purifying operation	Silent/Low/Medium/Turbo		dBA	19.0/29.0/39.0/53.0
	Humidifying operation	Silent/Low/Medium/Turbo		dBA	25.0/33.0/39.0/53.0
Humidifying operation	Power input	Silent/L/M/Turbo		kW	0.011/0.014/0.019/0.058
	Humidification	Silent/Low/Medium/Turbo		ml/h	200/240/300/500
	Water tank capacity			l	2.7
Air purifying operation	Power input	Silent/L/M/Turbo		kW	0.007/0.010/0.017/0.056
Deodorizing method					Flash streamer + Deodorizing catalyst
Dust collecting method					Electrostatic HEPA filter
Air filter	Type				Polyethylene terephthalate net
Sign	Item	01			Dust: 3 stages/Odour: 3 stages/Anti-pollen mode/Water supply lamp/Child proof lock lamp/ON/OFF lamp/Streamer lamp/Econo mode/MOIST mode/AUTO FAN mode/ PM2.5 sensor lamp: 3 stages/Humildity monitor lamp: 5 stages/ Humidity setting: Low/Standard/High/ Airflow rate: Quiet/Low/Standard/Turbo/Humidity on/off
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230
Type					Humidifying air purifier

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit.



High-grade type with humidification

NEW Twin streamer unit
High speed electrons are discharged

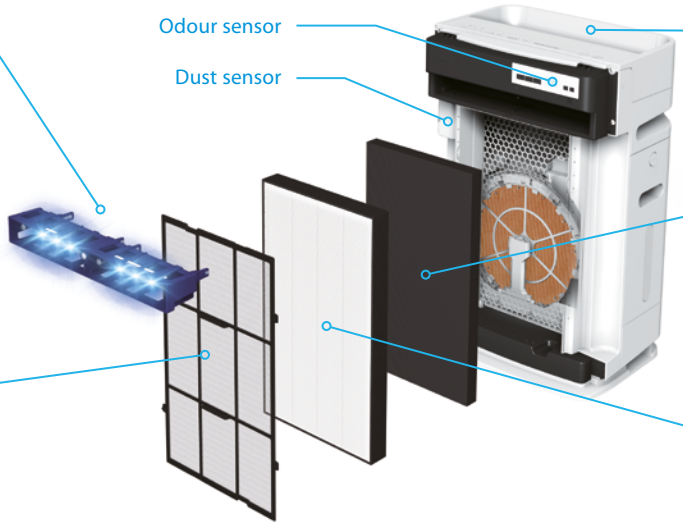
NO NEED TO CHANGE

STREAMER

Pre-filter
Catches dust

NO NEED TO CHANGE

*regular cleaning is necessary



Active plasma ion generation unit
Plasma ions are discharged

NO MAINTENANCE OR EXCHANGE NEEDED

Deodorising filter
Absorbs odour

NO NEED TO CHANGE

HEPA filter
Catches fine particles of dust and pollen

NO NEED TO CHANGE FOR 10 YEARS

MCK70YV/YB*

- Air purification for large spaces such as residential and light commercial applications
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance HEPA filter with no need to change for 10 years
- Whisper quiet

MCK70YV/YB*

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION	HUMIDIFYING CAPACITY
Humidification + Air purification Airflow 7.0 m^3/min. 420 m^3/hour***	650 ml/h**
Applicable room area ~96 m^{2**}	

* UK plug
** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467.
*** Humidifying capacity by JEM1426 (electric humidifier) with turbo operation at temperature of 20°C and humidity of 30%.

Twin Streamer

Twice the decomposition power for dust particles & odours

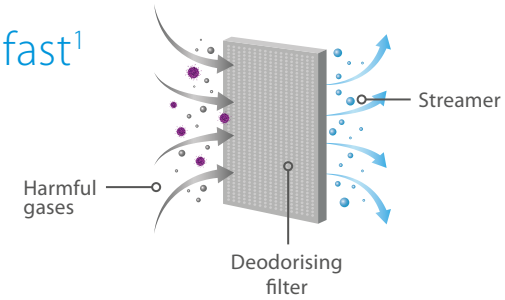
Equipped with twice the Streamer units compared to conventional models, it also features a structural design that irradiates the filter even more effectively.

Decomposition of harmful gases is twice as fast[1]

(In comparison with conventional Daikin products)

Equipped with twice the Streamer units compared to a previous model, it decomposes harmful gases such as exhaust gas at twice the speed.

This is an effect in a test space and not a test result in an actual operation space.



Deodorisation is twice as much[2]

(In comparison with previous Daikin product)

The deodorising filter absorbs odours, and twin streamer quickly decomposes them. Combining the effect of the deodorising filter doubles the amount of deodorisation.

The effect was in a test space of 29.4 m^3 after 30 minutes of operation and was not a test result in an actual operation space.

Twin streamer even cleans the inside of the unit

- Removes bacteria on the dust collection filter.[3]
- Speed of bacteria removal is as fast.[4]

(In comparison with a previous Daikin model)

The effect was in a closed test space of approximately 25 m^3 after 2.5 hours of operation and was not a test result in an actual operation space.



[1] Placed an air purifier in a 1m3 box with acetaldehyde as an exhaust gas-derived VOC and operated the air purifier (at maximum Streamer output operation). Measured the change in acetaldehyde concentration. (Only the decomposed amount was calculated by subtracting the amount of filter absorption.) (Daikin evaluation) Reduction of acetaldehyde concentration was confirmed to be twice as fast as conventional products. Comparison between 2018 MCK70U(Japanese model), a model equivalent to MCK70V and 2017 MCK70T(Japanese model). | [2] Measured the change in ammonia concentration due to tobacco in a test space of 29.4 m3, and compared decrease from a concentration equivalent to Level 3 on the odour intensity scale. (Daikin evaluation) Test result: Confirmed that indoor ammonia concentration decreased by half after 30 minutes. Comparison between 2018 MCK70U (Japanese model), a model equivalent to MCK70V and 2017 MCK70T (Japanese model).
[3] Testing organization: Japan Food Research Laboratories. Test number: 17117469001-0101. Test method: Attached a test piece inoculated with bacterial liquid on the upstream side of the dust collection filter installed into the air purifier, and operated in a closed test space of 25m3. Counted the number of live bacteria after 2.5 hours. Test object: One bacterium type. Test result: Reduced by more than 99% after 2.5 hours. Test unit: Tested with MCK70U (Japanese model), a model equivalent to MCK70V. | [4] Twin streamer: reduced by more than 99% in 2.5 hours; Streamer: reduced by more than 99% in 5 hours.

Specifications

More details and final information can be found by scanning or clicking the QR codes.

MCK70YV MCK70YB

Indoor Unit					MCK70YV	MCK70YB
Application					Floor standing type	
Applicable room area				m^2	48 (1) / 96 (2)	
Dimensions	Unit	HeightxWidthxDepth		mm	600x395x287 (3)	
Weight	Unit			kg	12.5	
Casing	Colour				White (N9. 0)	
Fan	Type				Multi Blade Fan (Sirocco fan with shroud assembly)	
	Air flow rate	Air purifying operation	Silent/Low/ Medium/Turbo	m^3/h	60/132/210/420	
		Humidifying operation	Silent/Low/ Medium/Turbo	m^3/h	102/132/210/420	
Sound pressure level	Air purifying operation	Silent/Low/Medium/Turbo		dBA	18/27/37/54	
	Humidifying operation	Silent/Low/Medium/Turbo		dBA	23/27/37/54	
Humidifying operation	Power input	Silent/L/M/Turbo		kW	0.011/0.012/0.018/0.068	
	Humidification	Turbo		ml/h	650	
	Water tank capacity			l	3.6	
Air purifying operation	Power input	Silent/L/M/Turbo		kW	0.008/0.010/0.016/0.066	
Deodorizing method					Flash streamer + Deodorizing catalyst	
Dust collecting method					Electrostatic HEPA filter	
Air filter	Type				Polyethylene terephthalate net	
Sign	Item	01			Dust sensor lamp: 3 stages / PM 2.5 sensor lamp: 3 stages / Odour sensor lamp: 3 stages / Humidity monitor: 20% - 90% / Humidity setting: Low/Standard/High / Airflow rate: Quiet/Low/Standard/Turbo / AUTO FAN mode / Econo mode / Anti-pollen mode / MOIST mode / CIRCULATION mode / Water supply lamp / Streamer lamp / Recommendation mode lamp / Humidifier ON/OFF lamp / Sleep mode / Child proof lock lamp	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230	
Type					Humidifying air purifier	

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) (3) With caster: 637 × 395 × 287 | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit.

COMING SOON

MCK70ZW/BFW & MCK70ZH/BFH

- Intelligent air purification and humidification, controlled directly from your device.
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Intuitive display design with coloured Daikin Eye
- Whisper quiet





PRELIMINARY INFO

MCK70ZW/BFW*

COLOUR: WHITE

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION	HUMIDIFYING CAPACITY
Humidification + Air purification Airflow 7.0 m^3/min. 420 m^3/hour	700 ml/h
Applicable room area ~96 m^{2**}	

MCK70ZH/BFH

COLOUR: GREY

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION	HUMIDIFYING CAPACITY
Humidification + Air purification Airflow 7.0 m^3/min. 420 m^3/hour	700 ml/h
Applicable room area ~96 m^{2**}	

* UK plug

** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467

COMING SOON

MC80Z/ZB

- Intelligent air purification, controlled directly from your device.
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Intuitive display design with coloured Daikin Eye
- Whisper quiet



PRELIMINARY INFO

MC80Z/ZB*

COLOUR: WHITE	FRONT, TOP/SIDE: DARK GREY
DUST COLLECTION	DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION

Humidification
+ Air purification

Airflow

8.0 m^3/min. 480 m^3/hour

Applicable room area

~124 m^{2**}

* UK plug

** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467

Residential ventilation

Centralized Heat Recovery Ventilation (CHRV)



Why DUCO?

DUCO offers end-to-end solutions

One-stop-shop for your end-to-end ventilation solution

Complete range of Centralized Heat Recovery Ventilation (CHRV) units, ducts & accessories.

Smart demand control

The room is only ventilated when necessary and in the correct amount. CO_2 concentration and air humidity are used as indicators. This helps avoiding unnecessary heat loss while guaranteeing an optimal indoor climate.

One of the quietest systems

A comfortable indoor climate is created by whisper-quiet ventilation systems. DUCO excels in acoustics both in its supply and exhaust airs.

Intuitive quotation process

Upon request, Daikin can provide an easy-to-use tool to calculate the units and accessories needed for your specific projects. A complete calculation request can also be carried out on Daikin Heating Solutions Navigator Platform.

Automatic calibration

The automatic calibration, whereby the measuring and adjustment technology is based on the principles of calibration under constant pressure, always offers a 100% guarantee of a qualitative end result and translates into a 50% saving in set-up time for the installer.

Connectivity

With the optional Communication Print you have the option of allowing the DUCO ventilation systems to communicate via ModBus and/or Ethernet. ModBus integration enables them to be linked to a building management system.

High energy conversion efficiency

The combination of dynamic air distribution filters and high performance heat exchangers result in very high efficiency ratio.

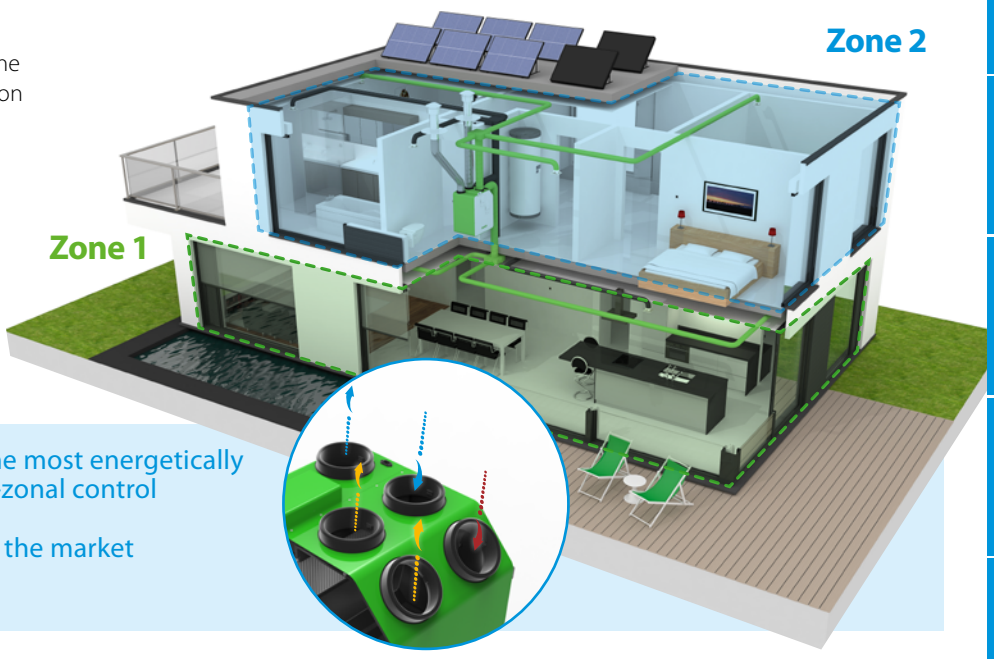
Only at Daikin

Thanks to DUCO, Daikin offers Centralized HRV systems with an integrated 2-zone valve. With the 2-zone version of the DucoBox Energy Premium, Daikin's product range is extended with a unique ventilation system with embedded 2-zone control. If a certain zone does not require ventilation, that zone is not ventilated. Cost savings on heating, lower consumption and noise comfort of the unit itself (lower rpm) are the logical consequences.

CHRV

Sensors meticulously detect the residents' movements throughout the home. This makes it possible to automatically determine where, when and in what amount ventilation is required.

By controlling the two zones separately with a built-in valve, the consumption of the EC fans is reduced considerably, which translates into an A+ energy label.



- ☑ Optimal indoor air quality in the most energetically optimised manner thanks to 2-zonal control
- ☑ Quietest ventilation system on the market
- ☑ Automatic calibration

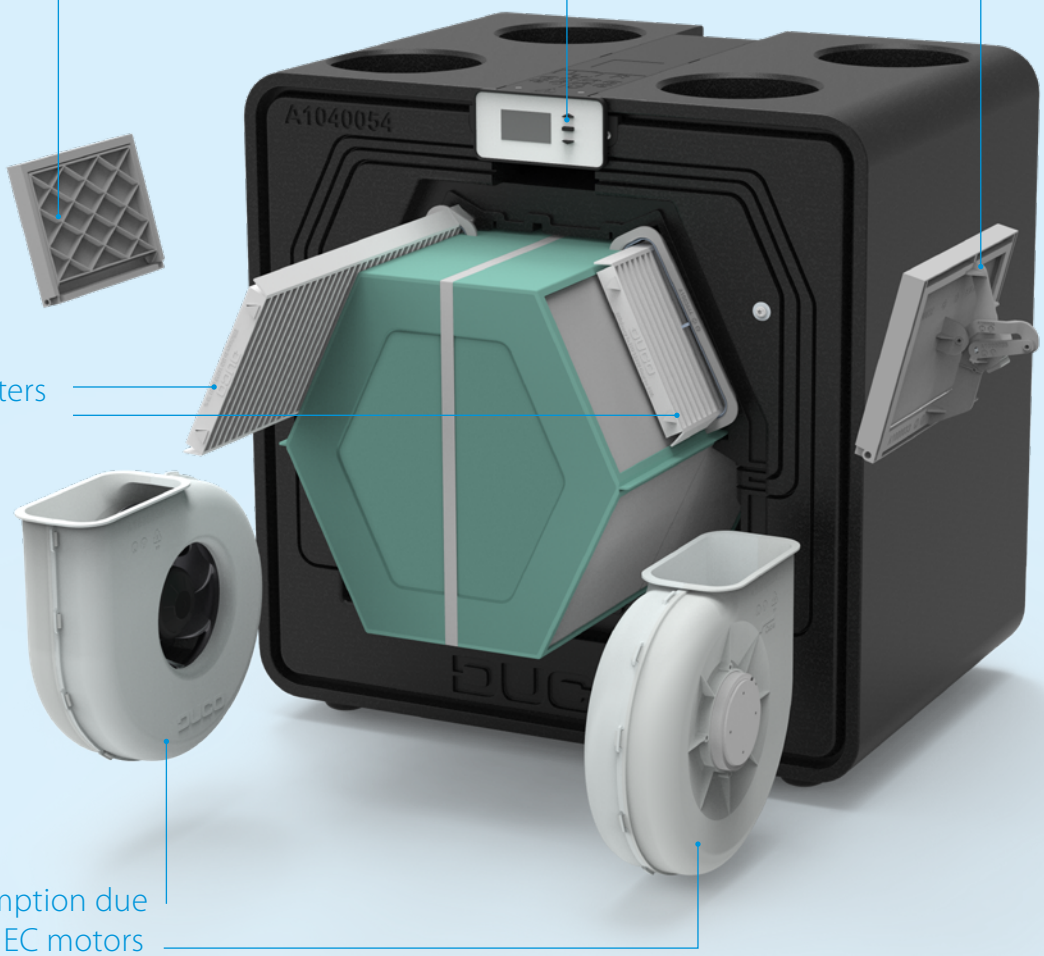
DucoBox Energy Comfort



Making life easy for installers

- Patented principle of double by-pass
- Dynamic Airflow Filters

  For maximum efficiency.
- Low power consumption due to energy-efficient EC motors



First choice for building projects

The DucoBox Energy Comfort is a Mechanical Ventilation unit with Heat Recovery (MVHR). This smart and silent ventilation unit, with its adjustable capacity of up to 325 m^3/h, is the ideal solution for apartments and houses due to its compact size. The left/right switch is 100% software-driven thanks to the patented principle of double bypass. The dynamic air distribution filters, together with the smart demand control based on CO_2 and humidity, ensure for exceptional efficiency within this compact unit.

L/R switch - 100% software-based

This unit is very user-friendly because physical interventions are not necessary. The left/right switch is carried out 100% by software thanks to a patented principle of double by-pass.



Compact & light unit: 700 x 705 x 525 mm

only **21 kg**

This lightweight unit of 21 kg can easily be installed by 1 person.
With its compact dimensions, the DucoBox Energy Comfort is ideal for a small technical space!

Smart copy function

Thanks to a "copy" function which is integrated on software level, the installer has the possibility to copy the settings and parametrisation of one DucoBox Energy Comfort onto the next DucoBox Energy Comfort. This is particularly useful in a serial construction with the same types of houses.



Automatic calibration

Relying on the principles of calibration at constant pressure, this method achieves a 50% saving on calibration time. DUCO saves you time.

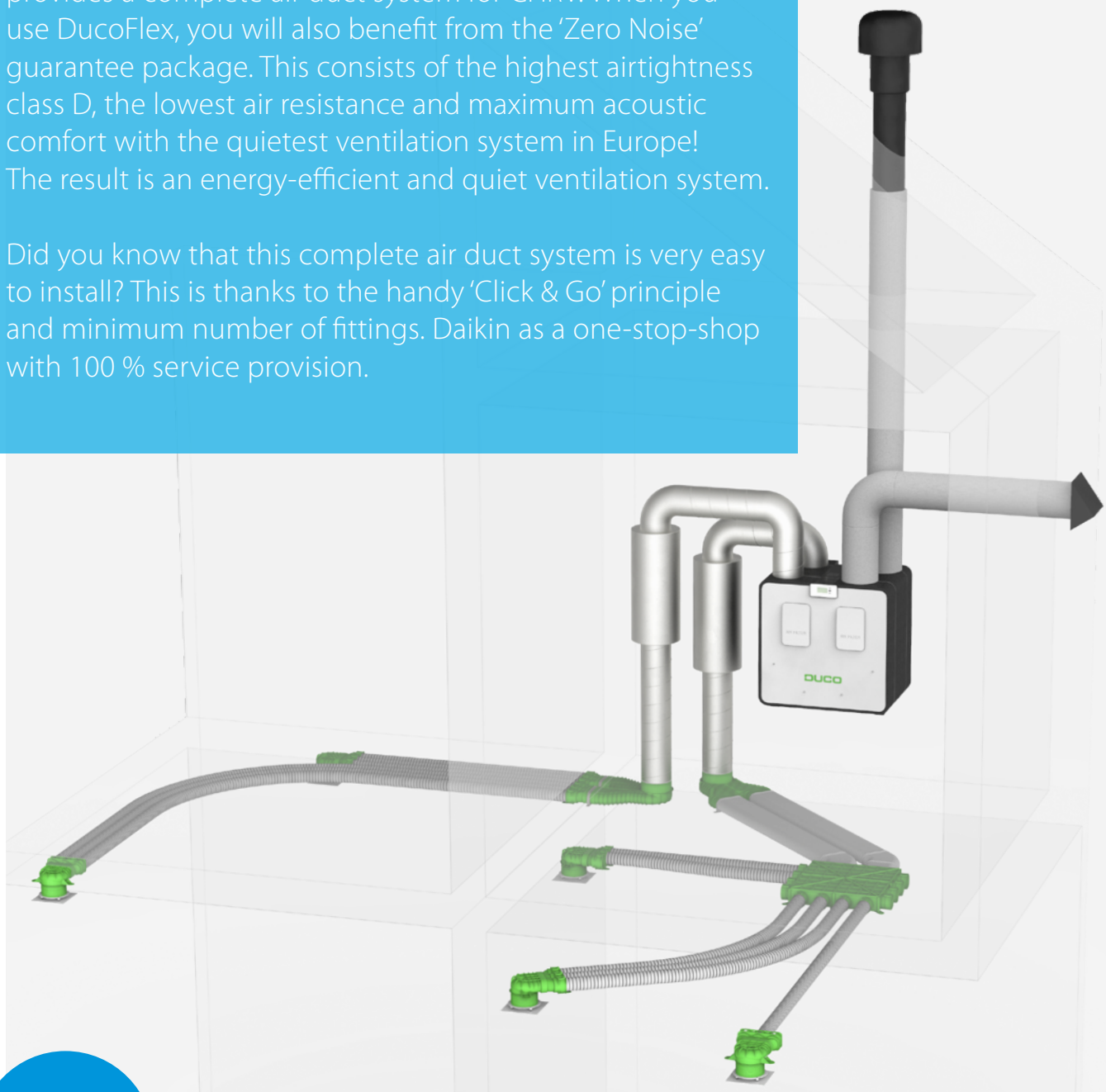
Smart demand control based on CO_2 and/or humidity measurement



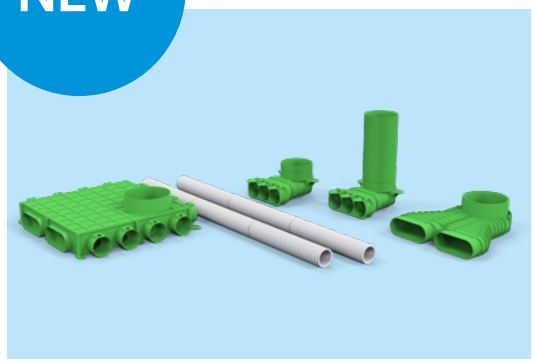
Total ventilation package

Are you looking for a total ventilation package? Then you are best going to just one address. With DucoFlex, Daikin provides a complete air duct system for CHRV. When you use DucoFlex, you will also benefit from the 'Zero Noise' guarantee package. This consists of the highest airtightness class D, the lowest air resistance and maximum acoustic comfort with the quietest ventilation system in Europe! The result is an energy-efficient and quiet ventilation system.

Did you know that this complete air duct system is very easy to install? This is thanks to the handy 'Click & Go' principle and minimum number of fittings. Daikin as a one-stop-shop with 100 % service provision.



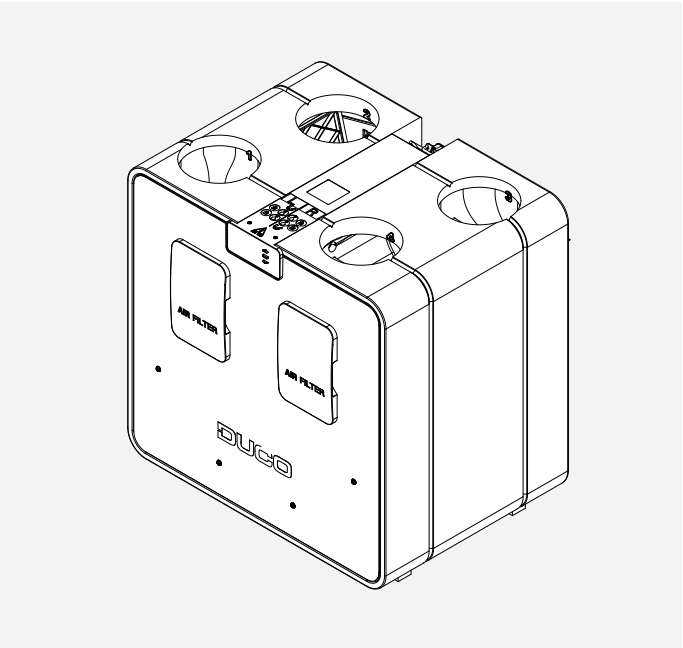
NEW



- ☑ **DucoFlex**
  Complete air ducting system for CHRV
- ☑ **'Click & Go' system**
  Flexible ducting with convenient click system
- ☑ **'Zero noise' guarantee**
  Meets the most stringent requirements
- ☑ **100% service**
  Complete ventilation package with support

DucoBox Energy Comfort 325

The DucoBox Energy Comfort is a compact and light mechanical ventilation unit with heat recovery. With a capacity of up to 325 m^3/h, this is the balanced ventilation solution for apartments and serial housing construction.
The **demand control** of the DucoBox Energy Comfort results in intelligent and energy-efficient operation.
Together with the **smart demand control** based on CO_2 and humidity, the dynamic air distribution filters ensure exceptional efficiency within this compact unit.
The **left/right switch** is carried out 100% by software thanks to a patented principle of double bypass.
Moreover, this lightweight unit weighs just 21 kg. In other words: easy to install by 1 person.
The **automatic configuration** ensures the device can be installed quickly and professionally.



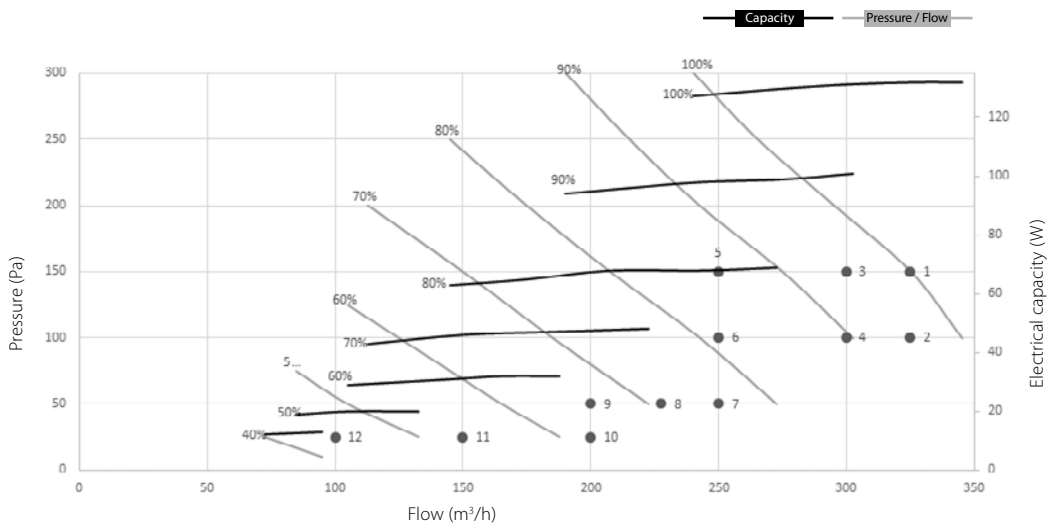
A+

Versions

Type	Supply and exhaust airflow rate at 150 Pa	2-zone control	Frost protection	Reference number
DucoBox Energy Comfort 325	325 m^3/h	No	Imbalance	00004485

Optional accessories

Product	Reference number
Siphon flat (Energy & Eco)	00004376
Communication Print	00004251
Humidity Box Sensor (Energy Comfort)	00004545
Mounting chair standing (Energy Comfort)	00004546
Filter set 2 x Coarse 65% (Energy Comfort)	00004547



DucoBox Energy Comfort 325

More details and final information can be found by scanning or clicking the QR codes.

DucoBox Energy Comfort 325

Physical properties	
Width x Height x Depth (mm)	700 x 705 x 525 mm
Casing	Coated sheet steel + EPP
Colours	White + black
Connections	Interior diameter: Ø 160 mm
Condensate drain	Ø 32 mm (1 ¼") (2x)
Heat exchanger	PET / Polystyrene
Interior material	EPP / PP / ABS
Weight	21 kg
Power plug cable length	2 m (from top of device)
Mounting	Wall mounting (standard) - Optional floor mounting with mounting chair

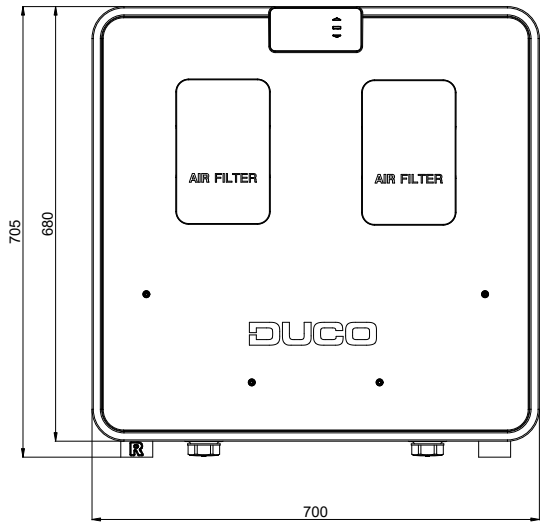
Miscellaneous properties	
Energy class	With 2 sensors: A+. Others: A
Filters	Supply air: Standard: ISO 16890 Coarse 65 % (= G4) Exhaust air: Standard: ISO 16890 Coarse 65 % (= G4)
Summer bypass	Full (100% modulating)
Frost protection	Imbalance
Fans	EC fan with curved blades
Automatic configuration	Yes (constant pressure)
Constant flow control	Yes
Controls	Integrated display Use via control switches and room sensors Optionally via smartphone / tablet (if Communication Print in device)
Sensors	Integrated: pressure, temperature, onboard switch contact, Humidity (via optional Boxsensor) External: CO_2 (via optional room sensor), humidity (via optional room sensor), external switch contact (voltage-free input) (optional)
Communication	Standard: DUCO RF, DUCO Wired, Switch contact Can be expanded with Communication Print: ModBus, PWM-IN, PWM-OUT, Switch contact (3x), Ethernet, Micro SD-card slot

Electrical characteristics	
Maximum electrical capacity 325 m³/h at 150 Pa	130 W (2 x 65 W)
Power supply	230 V, 50 Hz - via 3-core cable with earth plug
Plugs	0-10 V in/outputs
Motor type	DC
IP class	IP40
Efficiency	At 325 m³/h: 85 % - At 275 m³/h: 87 % - At 225 m³/h: 88 %

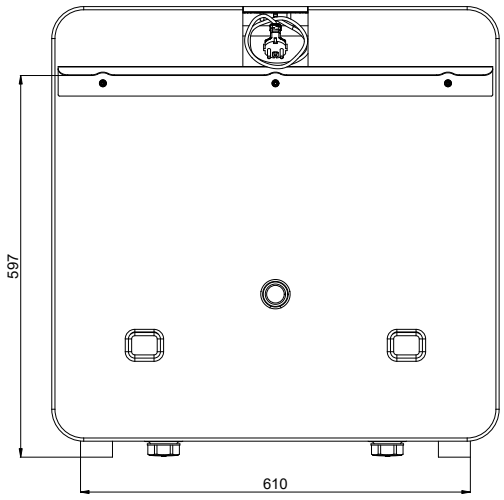
Measurement #	Flow Qv m³/h	Pressure Pa	Rated input P W	SFP Wh/m³	Sound level Lw*		
					Supply dB(A)	Exhaust dB(A)	Sound power level dB(A)
1	325	150	131	0.40	69	58.5	63
2	325	100	115	0.35	69	59	62
3	300	150	113	0.38	67.5	57.5	62
4	300	100	96	0.32	66.5	56	61
5	250	150	82	0.33	65	55	60
6	250	100	71	0.28	63.5	54.5	58.5
7	250	50	59	0.24	62.5	53	56
8	227.5	50	49	0.22	60	49	55
9	200	50	40	0.20	58.5	50	53
10	200	25	35	0.18	57.5	48.5	51.5
11	150	25	23	0.15	52	41.5	47
12	100	25	15	0.15	47.5	39.5	42

* Sound power level measured in accordance with ISO 3741: 2010. Supply and exhaust sound level according to ISO 5135: 1997 (with channel correction)

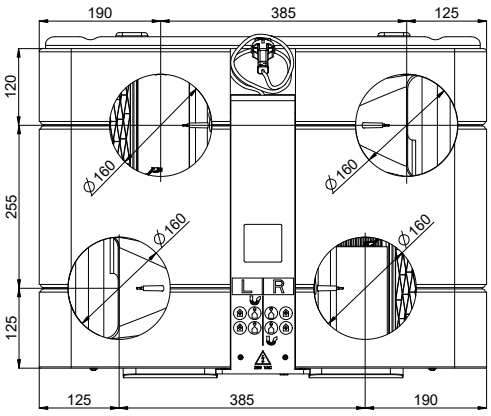
Front view



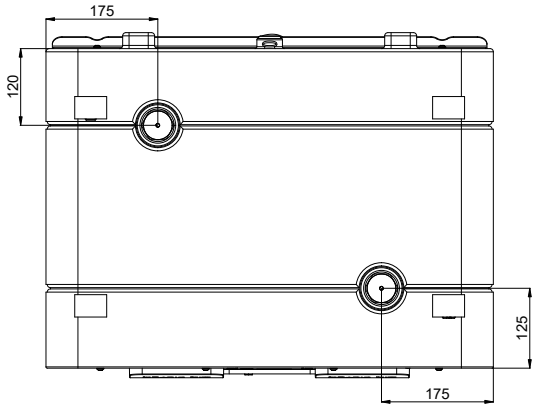
Rear view



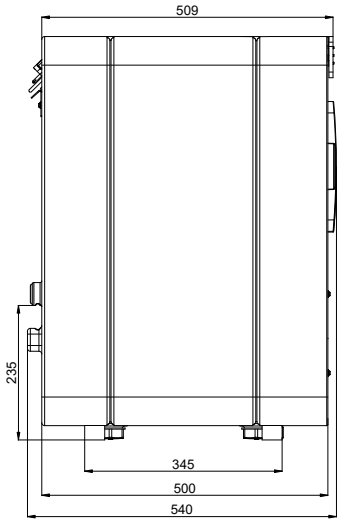
Top view



Bottom view



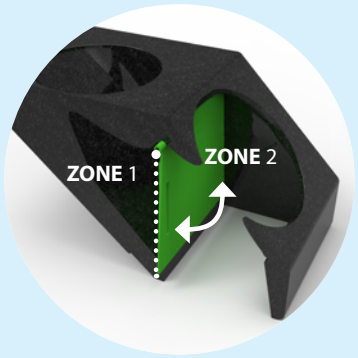
Side view



DucoBox Energy Premium

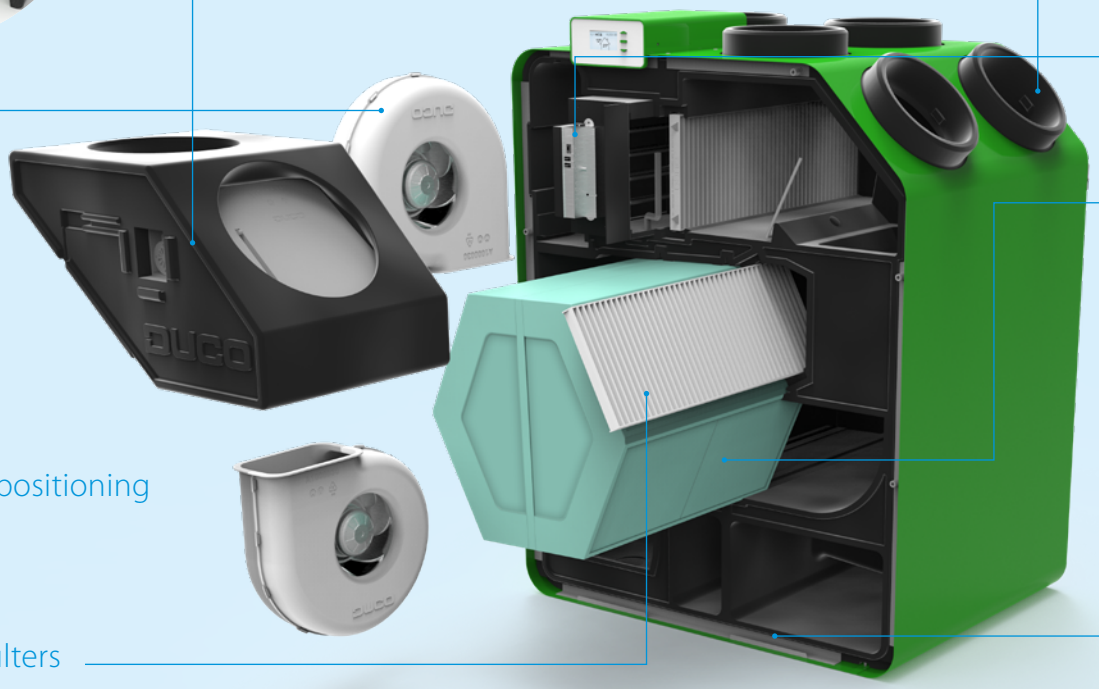
in the spotlight

The DucoBox Energy Premium raises CHRV with heat recovery to the next level. Ideal for installation in an energy-neutral home of the future, automatic calibration and integrated 2-zone control with demand control ensure ultra-quiet, intelligent and energy-saving operation.



Patented 2-ZONE system (optional)

The day and night zone are being controlled separately by a valve which is integrated in the unit itself. Steering can happen based on time schedules or based on CO_2 or humidity measurements, thereby significantly improving the energy efficiency!



Favourable fan positioning

2 standard air filters

Distinguishing features

- **Demand-controlled** balanced system with **heat recovery**
- **Lowest** sound power (air supply) in the market
- Patented **2-zone control** guarantees maximum energy efficiency (60.5 W)
- Automatic calibration reduces installation time by **at least 50%**
- **Modular** set-up of on-demand **components**
- Minimum number of components
- **Smart communication** with domotic systems through ModBus or ethernet

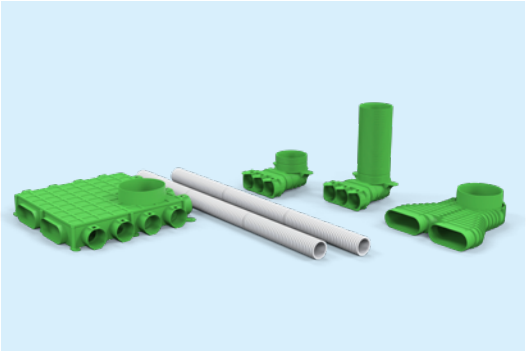


- Smart humidity measurement & pressure sensors
- Intelligent preheater
- Heat exchanger for maximum efficiency
- One of the quietest CHRV solution
- Automatic calibration





The automatic calibration, which is based on the principle of constant pressure, allows for a very fast and accurate calibration. This easily reduces set-up time to 50%! DUCO saves you time and money.

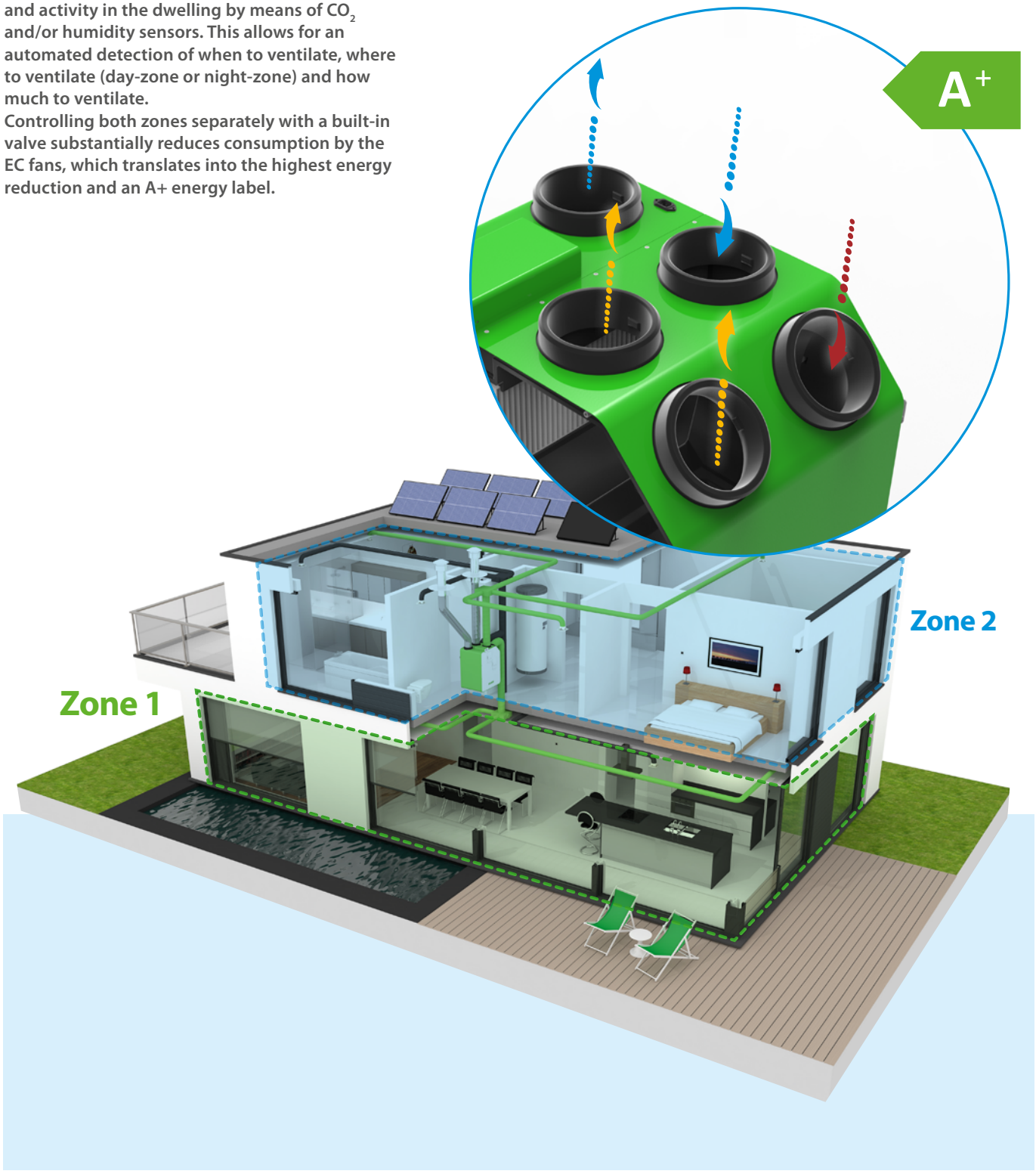


- **DucoFlex**
  Complete air ducting system for CHRV
- **'Click & Go' system**
  Flexible ducting with convenient click system
- **'Zero noise' guarantee**
  Meets the most stringent requirements
- **100% service**
  Complete ventilation package with support

NEW

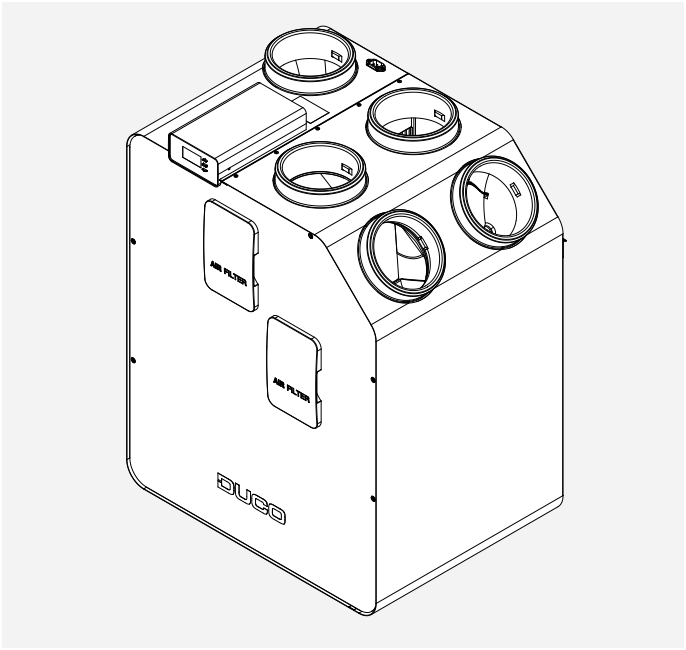
2-zone ventilation system

Sensors closely monitor the occupant's presence and activity in the dwelling by means of CO_2 and/or humidity sensors. This allows for an automated detection of when to ventilate, where to ventilate (day-zone or night-zone) and how much to ventilate.
Controlling both zones separately with a built-in valve substantially reduces consumption by the EC fans, which translates into the highest energy reduction and an A+ energy label.



DucoBox
Energy Premium 325 - 400

The DucoBox Energy Premium is a mechanical ventilation unit with heat recovery. It mechanically supplies fresh air to the house and mechanically extracts contaminated air from it with the help of integrated fans. During this process, the heat is recovered from the extracted air and transferred to the supplied air.
The **smart demand control** of the DucoBox Energy Premium results in quiet, intelligent and energy efficient operation.
Control components can be paired with the DucoBox Energy Premium (= master unit).
The DucoBox Energy Premium features frost protection system (with or without heater), bypass function and constant flow.
The **automatic calibration** ensures the device can be installed quickly.
The DucoBox Energy Premium is available as both a 1-zone and a 2-zone variant, with the latter providing even quieter and more energy-efficient operation.



A+

Versions

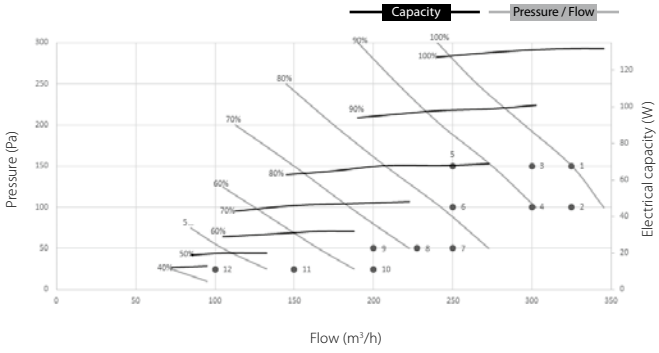
Type	Supply and exhaust capacity at 150 Pa in m³/h	2-zone system	Frost protection	Reference number	
				LEFT	RIGHT
DucoBox Energy Premium **325-1ZS**	325	No	Imbalance	00004358	00004359
DucoBox Energy Premium **325-1ZH**			Imbalance + heater	00004360	00004361
DucoBox Energy Premium **325-2ZS**		Yes	Imbalance	00004362	00004363
DucoBox Energy Premium **325-2ZH**			Imbalance + heater	00004364	00004365
DucoBox Energy Premium **400-1ZS**	400	No	Imbalance	00004366	00004367
DucoBox Energy Premium **400-1ZH**			Imbalance + heater	00004368	00004369
DucoBox Energy Premium **400-2ZS**		Yes	Imbalance	00004370	00004371
DucoBox Energy Premium **400-2ZH**			Imbalance + heater	00004372	00004373

For UK models, see page 18

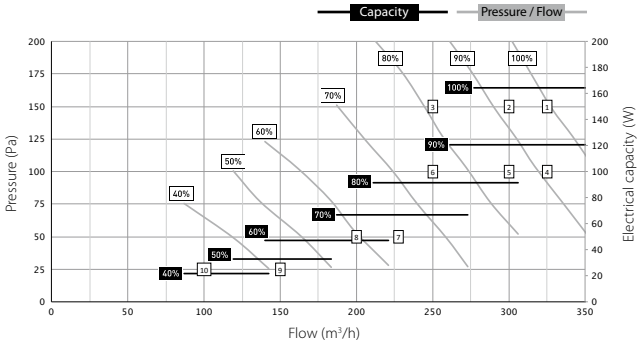
Optional accessories

Product	Reference number
Mounting chair standing (Energy Premium)	00004421
Mounting chair hanging (Energy Premium)	00004422
Siphon flat (Energy & Eco)	00004376
Communication Print	00004251
Humidity Box Sensor (Energy Premium)	00004374

DucoBox Energy Premium 325



DucoBox Energy Premium 400



DucoBox Energy Premium 325 - 400

More details and final information can be found by scanning or clicking the QR codes.

DucoBox Energy Premium

Physical properties	325	400
Width x Height x Depth (mm)	740 x 957 x 585 mm	
Casing	Coated sheet steel	
Colours	White + green	
Connections	Interior diameter: Ø 160 mm - Exterior diameter: Ø 190 mm	
Condensate drain	Ø 32 mm (1 ¼")	
Heat exchanger	PET / Polystyrene	
Interior material	EPP / PP / ABS	
Weight	47 kg	
Power plug cable length	2 m (connected at the top side of the unit)	
Mounting	Wall mounting (standard) - Optional floor mounting with mounting chair	

Miscellaneous properties	325	400
Energy class	With 2 sensors: A+. Others: A	
Filters	Supply air: Standard: ISO 16890 Coarse 65 % (≈ G4) Supply air: Optional: ISO 16890 ePM1 70% (≈ F7) Exhaust air: Standard: ISO 16890 Coarse 65 % (≈ G4)	
Summer bypass	Full (100% modulating)	
Frost protection	Imbalance - Optional via proportional Heater	
Fans	EC fan with curved blades	
Automatic configuration	Yes (constant pressure)	
Constant flow control	Yes	
Controls	Integrated display Use via control switches and room sensors Optionally via smartphone / tablet (if Communication Print in device)	
Sensors	Integrated: pressure, temperature, humidity (via optional box sensor), onboard switch contact External: CO_2 (via optional room sensor), humidity (via optional room sensor), external switch contact (voltage-free input) (optional)	
Communication	Standard: DUCO RF, DUCO Wired, Switch contact Can be expanded with Communication Print: ModBus, PWM-IN, PWM-OUT, Switch contact (3x), Ethernet, Micro SD-card slot	

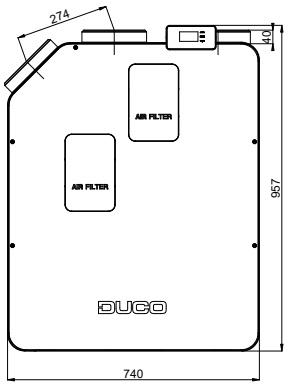
Electrical characteristics	325	400
Maximum electrical capacity at 150 Pa	120 W (2 x 60 W)	183 W (2 x 91.5 W)
Maximum electrical capacity heater	1,000 W	
Power supply	230 V, 50 Hz - via 3-core cable with earth plug	
Plugs	0-10 V in/outputs	
Motor type	DC	
IP class	IP40	
Efficiency	At 228 m³/h: 87 % - At 275 m³/h: 86 % - At 332 m³/h: 85 %	At 301 m³/h: 85 % - At 351 m³/h: 85 % - At 401 m³/h: 84 %

Measurement #	Flow Qv m³/h		Pressure Pa		Rated input P W		SFP Wh/m³		Sound level Lw*					
									Supply dB(A)		Exhaust dB(A)		Sound power level dB(A)	
	325	400	325	400	325	400	325	400	325	400	325	400	325	400
1	325	400	150	150	118	180	0.36	0.45	52.0	52.5	54.5	57.0	51.0	55.0
2	300	350	150	150	100	135	0.33	0.39	51.0	51.0	55.0	56.0	50.0	53.5
3	250	300	150	150	80	100	0.32	0.33	46.5	51.0	48.5	55.0	48.0	50.0
4	325	400	100	100	104	159	0.32	0.40	51.0	52.0	56.5	56.5	50.5	54.5
5	300	350	100	100	93	120	0.31	0.34	48.0	51.5	52.5	55.5	50.5	51.5
6	250	300	100	100	67	93	0.27	0.31	45.0	48.0	46.5	52.5	46.0	50.5
7	227.5	280	50	50	47	68	0.21	0.24	41.0	46.0	45.5	47.0	41.5	46.0
8	200	250	50	50	37	55	0.19	0.22	39.0	44.0	44.5	46.0	40.0	43.0
9	150	200	25	50	26	37	0.17	0.19	31.0	39.0	36.0	44.5	39.5	40.0
10	100	200	25	25	16	35	0.16	0.18	28.5	36.0	35.5	40.5	39.0	40.0
11	-	150	-	25	-	26	-	0.17	-	31.0	-	36.0	-	39.5
12	-	100	-	25	-	16	-	0.16	-	28.5	-	35.5	-	39.0

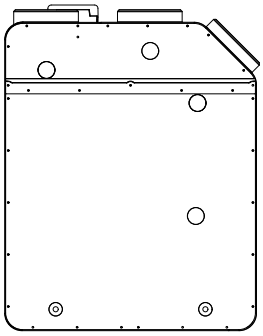
* Sound power level measured in accordance with ISO 3741: 2010. Supply and exhaust sound level according to ISO 5135: 1997 (with channel correction)

Left model

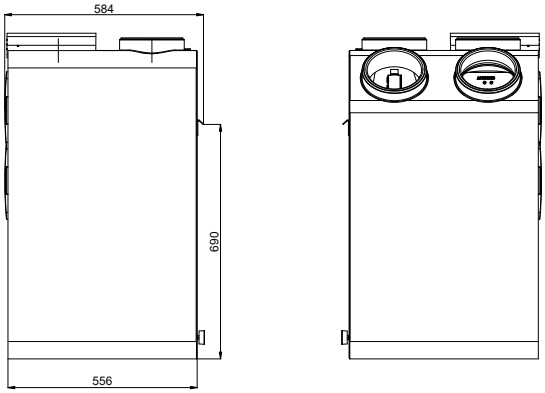
Front view



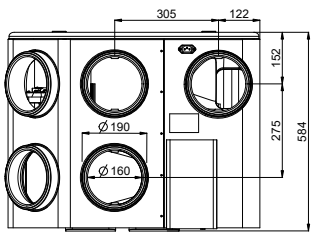
Rear view



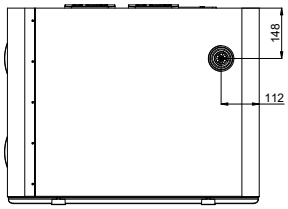
Side view



Top view

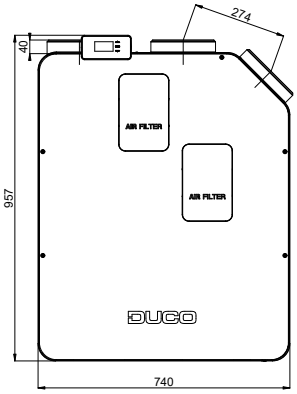


Bottom view

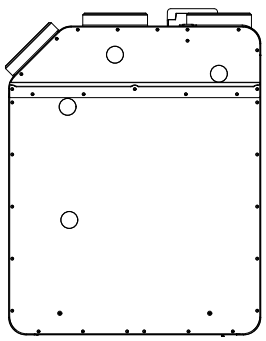


Right model

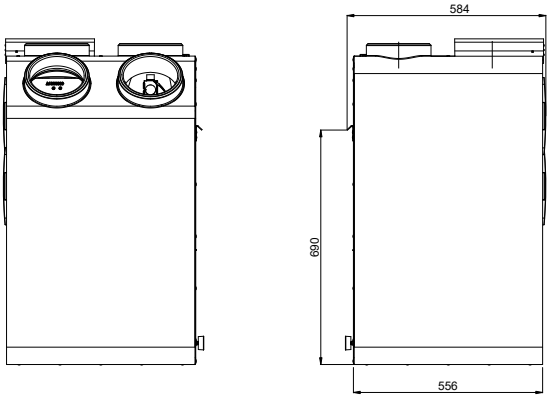
Front view



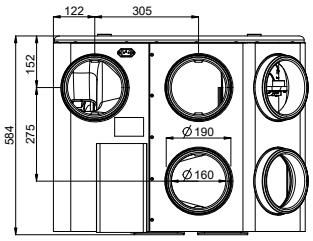
Rear view



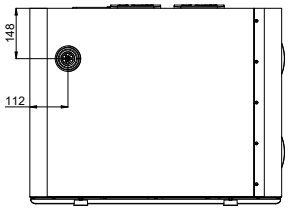
Side view



Top view

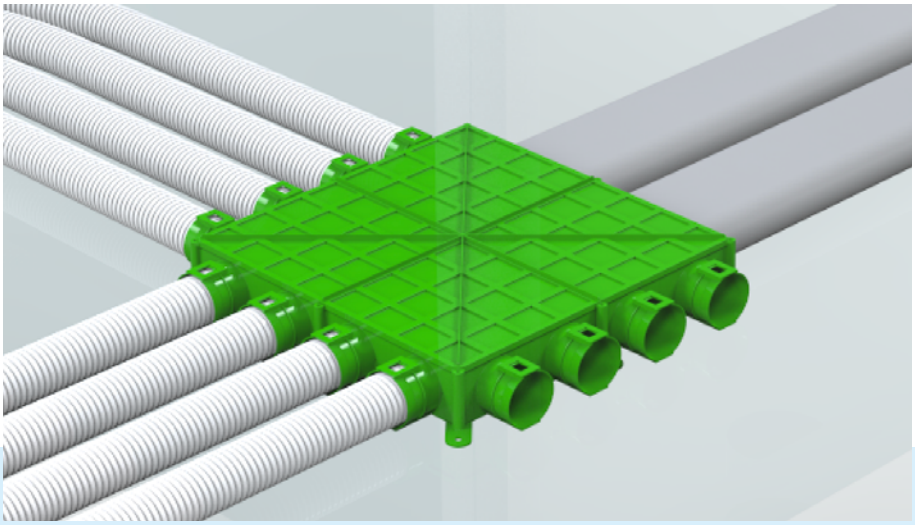


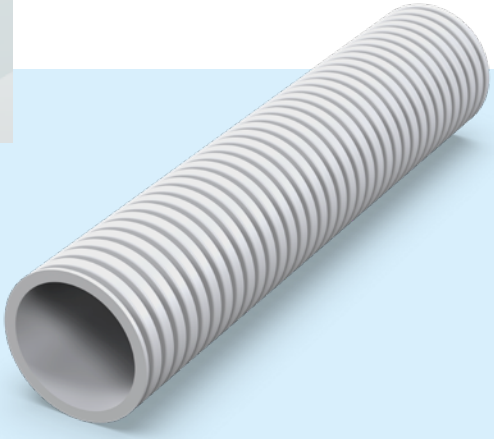
Bottom view

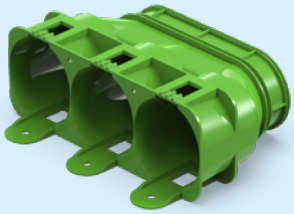


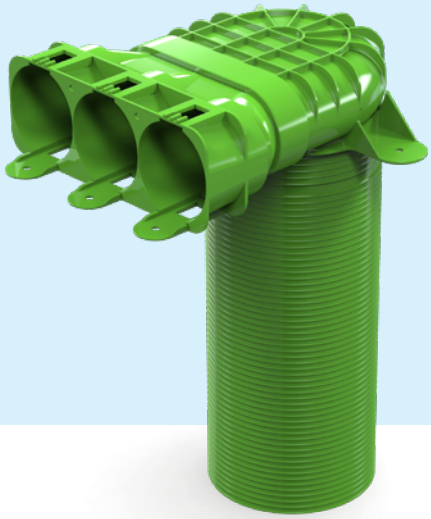
DucoFlex

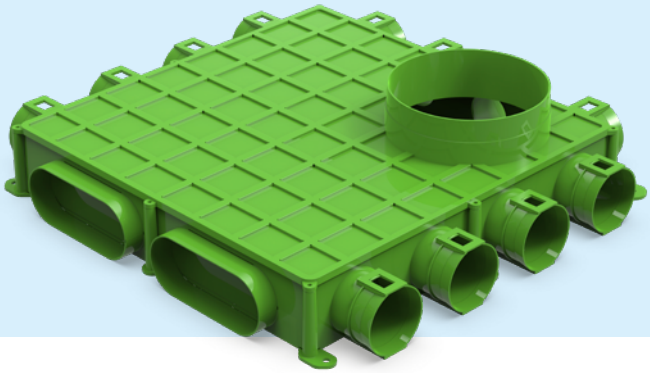
Complete air duct system for CHRV systems











Silencers

Flexible or rigid silencers that have pre-fitted connectors. Thanks to their sound-reducing properties, the DucoFlex silencers are an essential part of the "Zero Noise" guarantee package from DUCO.



☑ 'Zero Noise' guarantee

- Air tightness class D
- Low air-resistance
- Maximum comfort

☑ 100 % service

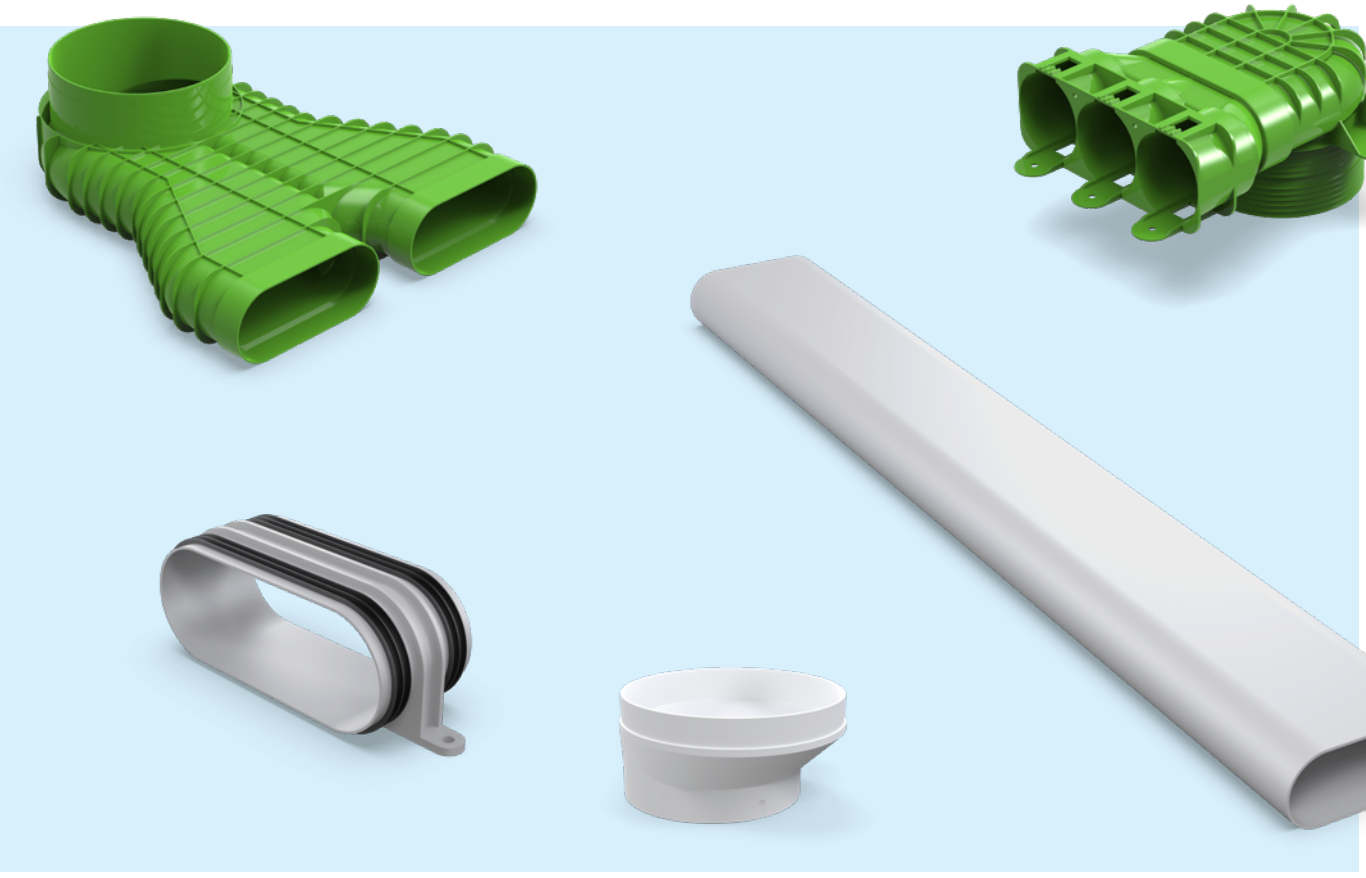
- Support from the research department
- One-stop-shop:
  1 brand = 1 ventilation solution

☑ Complete Air Duct System

- One solution for every type of ventilation system
- Suitable for CHRV units

☑ 'Click & Go' system

- Handy click system
- Minimum parts and fittings
- Save time = save money



Insulated ducting

The range of insulated EPP and EPS ducts with a diameter of Ø160 mm or Ø180 mm are simple to connect to DUCO's air duct system. With a limited number of parts, it's easy to create a thermally insulated connection between the ventilation unit and the roof/wall feed-through.



Material list

Category	Reference	Description
CHRV UNITS (NON-UK)	00004485	DucoBox Energy Comfort 325
	00004358	DucoBox Energy Premium 325 - 1ZS - Left
	00004359	DucoBox Energy Premium 325 - 1ZS - Right
	00004360	DucoBox Energy Premium 325 - 1ZH - Left
	00004361	DucoBox Energy Premium 325 - 1ZH - Right
	00004362	DucoBox Energy Premium 325 - 2ZS - Left
	00004363	DucoBox Energy Premium 325 - 2ZS - Right
	00004364	DucoBox Energy Premium 325 - 2ZH - Left
	00004365	DucoBox Energy Premium 325 - 2ZH - Right
	00004366	DucoBox Energy Premium 400 - 1ZS - Left
	00004367	DucoBox Energy Premium 400 - 1ZS - Right
	00004368	DucoBox Energy Premium 400 - 1ZH - Left
	00004369	DucoBox Energy Premium 400 - 1ZH - Right
	00004370	DucoBox Energy Premium 400 - 2ZS - Left
	00004371	DucoBox Energy Premium 400 - 2ZS - Right
	00004372	DucoBox Energy Premium 400 - 2ZH - Left
	00004373	DucoBox Energy Premium 400 - 2ZH - Right
CHRV UNITS (UK)	00004591	DucoBox Energy Comfort 325 (UK)
	00004456	DucoBox Energy Premium 325 - 1ZS - Left (UK)
	00004457	DucoBox Energy Premium 325 - 1ZH - Left (UK)
	00004458	DucoBox Energy Premium 325 - 2ZS - Left (UK)
	00004459	DucoBox Energy Premium 325 - 2ZH -Left (UK)
	00004460	DucoBox Energy Premium 325 - 1ZS - Right (UK)
	00004461	DucoBox Energy Premium 325 - 1ZH - Right (UK)
	00004462	DucoBox Energy Premium 325 - 2ZS - Right (UK)
	00004463	DucoBox Energy Premium 325 - 2ZH - Right (UK)
	00004464	DucoBox Energy Premium 400 - 1ZS - Left (UK)
	00004465	DucoBox Energy Premium 400 - 1ZH - Left (UK)
	00004466	DucoBox Energy Premium 400 - 2ZS - Left (UK)
	00004467	DucoBox Energy Premium 400 - 2ZH - Left (UK)
	00004468	DucoBox Energy Premium 400 - 1ZS - Right (UK)
	00004469	DucoBox Energy Premium 400 - 1ZH - Right (UK)
	00004470	DucoBox Energy Premium 400 - 2ZS - Right (UK)
	00004471	DucoBox Energy Premium 400 - 2ZH - Right (UK)
ACCESSORIES	00004546	Mounting chair standing (Energy Comfort)
	00004740	Mounting chair Energy Comfort 400/Plus/Premium
	00004422	Mounting chair hanging (Energy Premium)
	00004251	Communication Print (Energy Comfort + Premium)
	00004376	Flat siphon
	00004547	Filterset 2 x Coarse 65 % (Energy Comfort)
	00004416	Filterset 1x Coarse 65 % & 1 x ePM1 70% (Energy Premium)
	00004417	Filterset 2 x Coarse 65 % (Energy Premium)
	00004661	Filterset Coarse 65% /ePM1 55% (Energy Comfort)
CONTROLLERS	00004175	User controller RF/BAT black
	00004174	Switching contact RF/230V
	00004545	Humidity Box Sensor (Energy Comfort)
	00004374	Humidity Box Sensor (Energy Premium)
	00004600	User controller RF/BAT white
	00004601	User controller RF/Wired black
	00004602	User controller RF/Wired white
	00004603	CO_2 sensor RF/Wired black
	00004604	CO_2 sensor RF/Wired white
	00004605	Humidity sensor RF/Wired black
	00004606	Humidity sensor RF/Wired white
	00004636	CO_2 sensor without command RF/Wired black
	00004637	CO_2 sensor without command RF/Wired white

Category	Reference	Description
AIR VENT	00004179	DucoVent Design square standard AK (exhaust) - RAL 9010
	00004594	DucoVent Design square standard AK (exhaust) - other RAL
	00004226	DucoVent Design square XL AK (supply and exhaust) - RAL 9010
	00004597	DucoVent Design square XL AK (supply and exhaust) - other RAL
	00004211	DucoVent Design rounded square standard AK (exhaust) - RAL 9010
	00004596	DucoVent Design rounded square standard AK (exhaust) - other RAL
	00004227	DucoVent Design rounded square XL AK (supply and exhaust) - RAL 9010
	00004598	DucoVent Design rounded square XL AK (supply and exhaust) - other RAL
	00004210	DucoVent Design round AK (supply and exhaust) - RAL 9010
	00004595	DucoVent Design round AK (supply and exhaust) - other RAL
	00004178	DucoVent Basic (supply and exhaust)
	10300800	DoorVent RAL 9001
	10300700	DoorVent RAL 9010
	10300500	DoorVent (other RAL)
DUCOFLEX	00004552	DucoFlex Round air duct D63
	00004563	DucoFlex Floor plenum 12x63 - D180
	00004565	DucoFlex Floor plenum 12x63 - 2 oval
	00004564	DucoFlex Ceiling plenum 12x63 - D180
	00004560	DucoFlex Valve connector right angled 3x63 - D125
	00004553	DucoFlex O-ring D63 (10 units)
	00004554	DucoFlex Coupling D63
	00004599	DucoFlex Tube cutter
	00004569	DucoFlex Star air duct & coupling D160
	00004570	DucoFlex Star air duct & coupling D180
	00004571	DucoFlex Star bend 90° & coupling D160
	00004572	DucoFlex Star bend 90° & coupling D180
	00004573	DucoFlex Star bend 45° & coupling D160
	00004574	DucoFlex Star bend 45° & coupling D180
	00004575	DucoFlex Star coupling D160
	00004576	DucoFlex Star coupling D180
	00004584	DucoFlex Wall terminal black D160
	00004627	DucoFlex Wall terminal white D160
	00004585	DucoFlex Wall terminal black D180
	00004628	DucoFlex Wall terminal white D180
	00004580	DucoFlex Roof terminal Compact D160 - Terracotta
	00004582	DucoFlex Roof terminal Compact D160 - Slate
	00004578	DucoFlex Roof terminal D160/180
	00004581	DucoFlex Roof terminal for flat roofs D160/180
	00004579	DucoFlex Roof terminal tile D160/180
	00004586	DucoFlex Silencer D127
	00004630	DucoFlex Silencer D125
	00004631	DucoFlex Silencer D160
	00004632	DucoFlex Silencer D180
	00004587	DucoFlex Silencer Semi Rigid D160
	00004588	DucoFlex Silencer Semi Rigid D180
	00004567	DucoFlex oval air duct B163xH68xL1150
	00004609	DucoFlex horizontal elbow 90°/45° rigid oval duct
	00004568	DucoFlex oval duct coupling
	00004638	DucoFlex horizontal connector oval - D125
	00004681	DucoFlex 90° Bend splitter vent connector long - oval/D125
	00004682	DucoFlex 90° Bend splitter vent connector short - oval/D125
	00004684	DucoFlex Adapter 3x63 oval
	00004685	DucoFlex Adapter 2x75 oval
	00004686	DucoFlex Adapter 2x90 oval
	00004674	DucoFlex round semi-rigid duct D75 (50 m)
	00004692	DucoFlex round semi-rigid duct D90 (50 m)
	00004675	DucoFlex rubber O-ring D75 (10 pieces)
	00004676	DucoFlex rubber O-ring D90 (10 pieces)
	00004677	DucoFlex Coupling D75
	00004678	DucoFlex Coupling D90
	00004679	DucoFlex Elbow 90° D75
	00004680	DucoFlex Elbow 90° D90
	00004687	DucoFlex Manifold box (floor and ceiling) 4 x oval air ducts (F) D160
	00004701	DucoFlex Manifold box (floor and ceiling) 3 x oval air ducts (F) + 1 x oval air duct (M)
	00004699	DucoFlex



Your next heating system will be a heat pump

Heat pumps are ready to take on the challenge of home decarbonization and Daikin is ready to be the most suitable partner in this challenge.

Home decarbonisation is the sustainability challenge of today. It's the newest addition to the global paradigm shift towards a more sustainable economy. In the automotive industry, agriculture and even in air travel, efforts have already been made to reduce or eliminate carbon emissions from energy sources.
Next on the list: homes.

The European Union pledged to "play a central role" in achieving net-zero greenhouse gas emissions by 2050.

In order to achieve their goals, they are betting on heat pumps

And at Daikin, we are convinced that they're right. Heat pumps are more than ready to take on the challenge of home decarbonisation. They are not a technology of the future, but an established solution, ready to provide comfort.

Did you know?

In several European countries, heat pumps are already installed in more than 50% of new buildings. In renovations, heat pumps are increasingly being considered as a replacement for boilers, especially for high-temperature models with a similar leaving water temperature of 70 °C.

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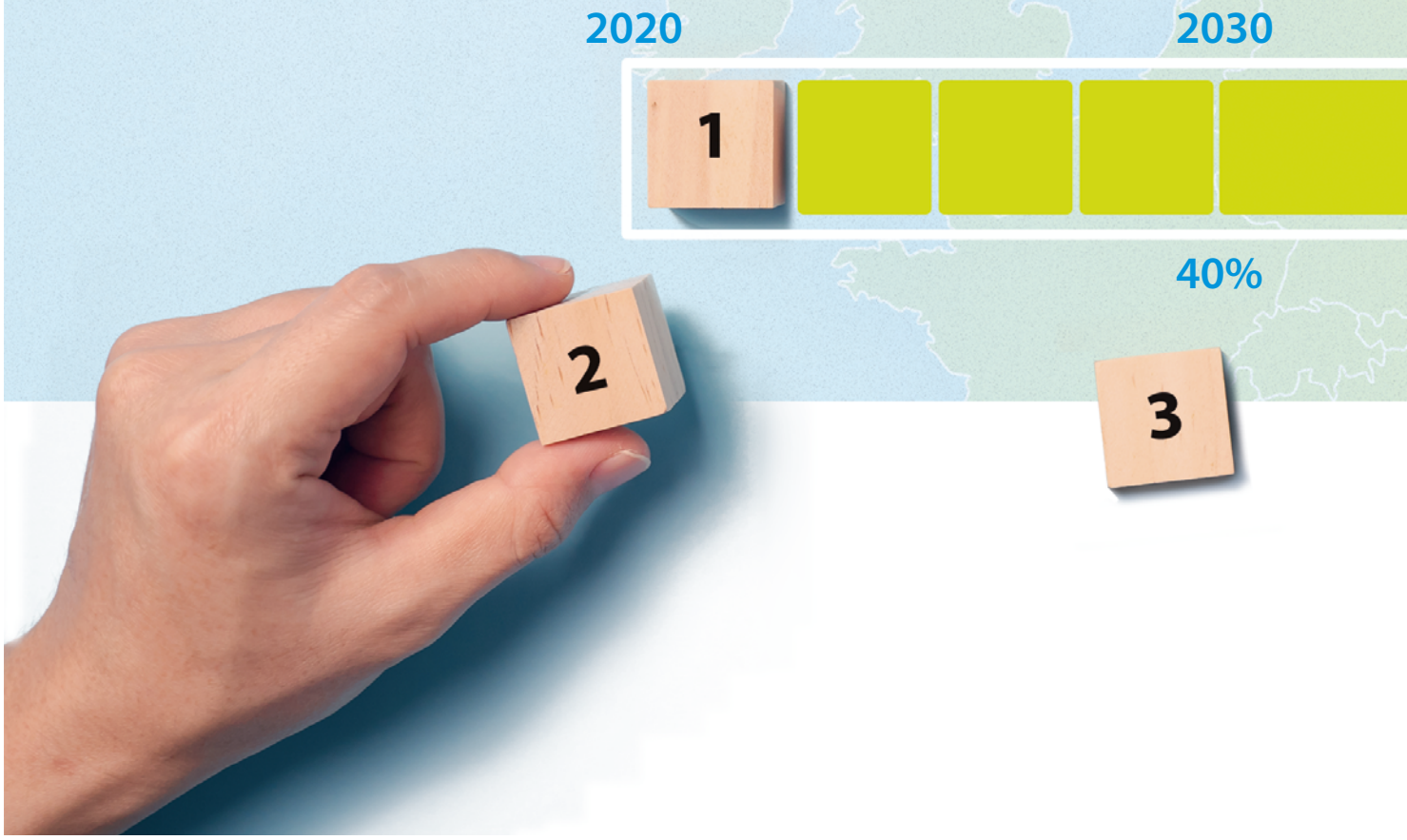
4 Steps to decarbonising residential heat

1 Strengthened new build rules

All European member states have already put measures in place to ensure that new build houses and apartments have a better carbon performance by making an improved building envelope and the use of renewable energy mandatory. As a result, Daikin estimates that heat pumps already have up to 50% market share in new (single family) houses.
A considerable additional benefit of hydronic heat pumps is the ability to use it to cool as well heat, which is increasingly becoming a consumer requirement. This is partly due to the climate change effect, but also because of the higher insulation level built houses.

2 Increase replacement rate

Today's replacement rate is, on average, 1% of the total number of heating systems installed per year and meeting the minimum target would require that replacement ratio to double within the coming 10 years.
Substituting heating devices with more efficient ones will constitute a move towards reducing CO_2 emission. The challenge however is to motivate EU citizens to choose renewable heating more often, thereby convincing those in the replacement market that heat pumps are an efficient, cost-effective and established solution.



One of the biggest challenges we face to ensure a healthy and sustainable environment and contribute to carbon neutrality is to maximize usage of renewable energy, specifically when heating our homes. The majority of residential housing is still heated with outdated systems, often using polluting fossil fuels such as coal and oil.

The challenge involved in tackling this is made all the more clear by The European Green Deal, which is a set of policy initiatives by the European Commission with the key aim of making Europe climate neutral in 2050 using green technology.

Heat pumps start to play a crucial role in decarbonizing Europe, and in certain areas there has already been an impressive uptake. For example, heat pumps are the default heating system in Sweden and enjoy 50% of the market share in new builds in some European countries.

However, in the whole of Europe, renewable heating via heat pumps represents only 10% of all heating systems installed annually. This contrasts sharply with the EU Commission's ambitious target by 2030: 40% penetration of renewables in heating and cooling. At Daikin, we see the solution will be to take 4 steps to decarbonizing residential heat, in order to achieve the EU Commission's targets by 2030.

3 End fossil fuel incentives

Policy makers could avoid incentives for fossil fuels. Currently, direct or indirect incentives benefit oil or gas-based boilers, due to different taxation of heat pumps compared with boilers for instance.
While doing this, the gap between today's electricity and gas prices in many member states is too high to make a heat pump an economically attractive investment for EU citizens. In the short term, government incentives can help accelerate the transition to carbon-neutral heating and make heat pumps accessible to all Europeans, but in the longer term more balanced energy prices and a correct indication of the energy and carbon performance of a building need to support the end user motivations to invest in heat pump technology.

4 Renewable heating standard in replacement

At Daikin, we believe heat pump systems have to become the standard when replacing heating systems. It is a fact that heat pumps are increasingly capable of high efficiencies, even at lower outdoor temperatures.
The hydronic heat pump technology has developed quickly in recent years, making it fit for any type of residential building in Europe whether it is for the new build market or the replacement market.
By increasing the share of green electricity to 60% of total EU electricity production, heat pumps will continue to increase their contribution to a decarbonized residential heating world.



The future

At Daikin we're excited and passionate about taking on the changing environment and playing a key role in bringing this innovative technology into people's homes while ensuring all stakeholders, such as installers and architects, are on board.
We can do our bit as well by making installation as simple as possible through great design. Europe has the technology, the expertise and the investments to expand the heat pump market further. From single family to multi-family homes, from small to large commercial buildings and industrial plants, heat pumps today are ready to go mainstream.
All the signs are indicating that we need to act now! Let's convince those in the replacement market that heat pumps are the future and increase awareness regarding energy, cost-efficiency and environment-related advantages.

Stand By Me,
a journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Get on board on our train to ultimate customer satisfaction

On our underground map you can discover all the tools we offer to Daikin installers to help them from the first point of contact with a new client, to the maintenance and repair after installation.

1

Heating Solutions Navigator
Provide the best fit solution for your customers homes
Web portal · Professionals

2

Daikin e-Care
Access to registration, configuration and trouble shooting
Mobile app · Professionals

3

Stand By Me
Manage your installation database and offer comfort and service to your customer
Web portal · Professionals

4

Onecta app
End-user app to control the residential unit
Mobile app · Consumer

Scan the QR code or go to http://metro.standbyme.daikin.eu for the tool

NEW

Discover the new features

We keep investing in the support towards our installers. With your Daikin account, you have access to Stand By Me and the Heating Solutions Navigator online. Use the same account to access the Daikin e-Care app. The tools offer now new features, check it out!

Heating Solutions Navigator
Newest function:
ventilation quotation tool

Daikin e-Care
Newest function:
commissioning tool

Stand By Me
Newest functions:
purchase of warranty extension,
request for assistance

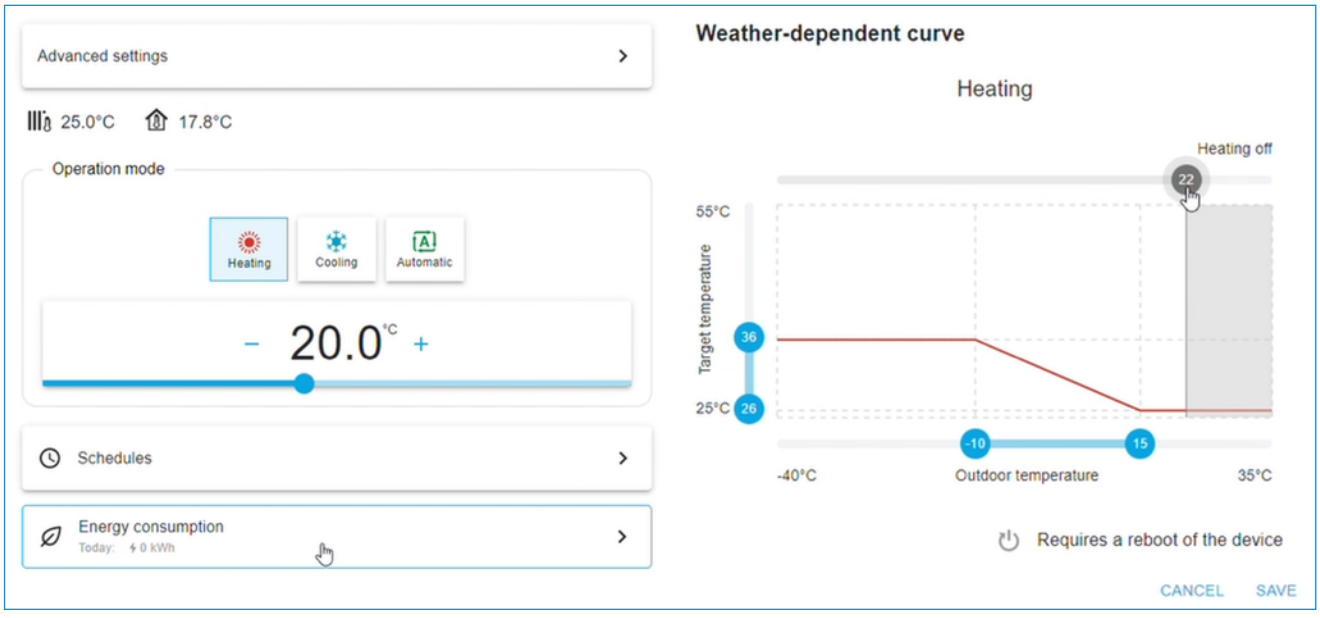
Onecta App
Newest function:
multiple users can control the units in a house, new users can be invited through the generation of a QR code

NEW

Error notification and 20 installer settings for remote support through SBM Pro and e-care app

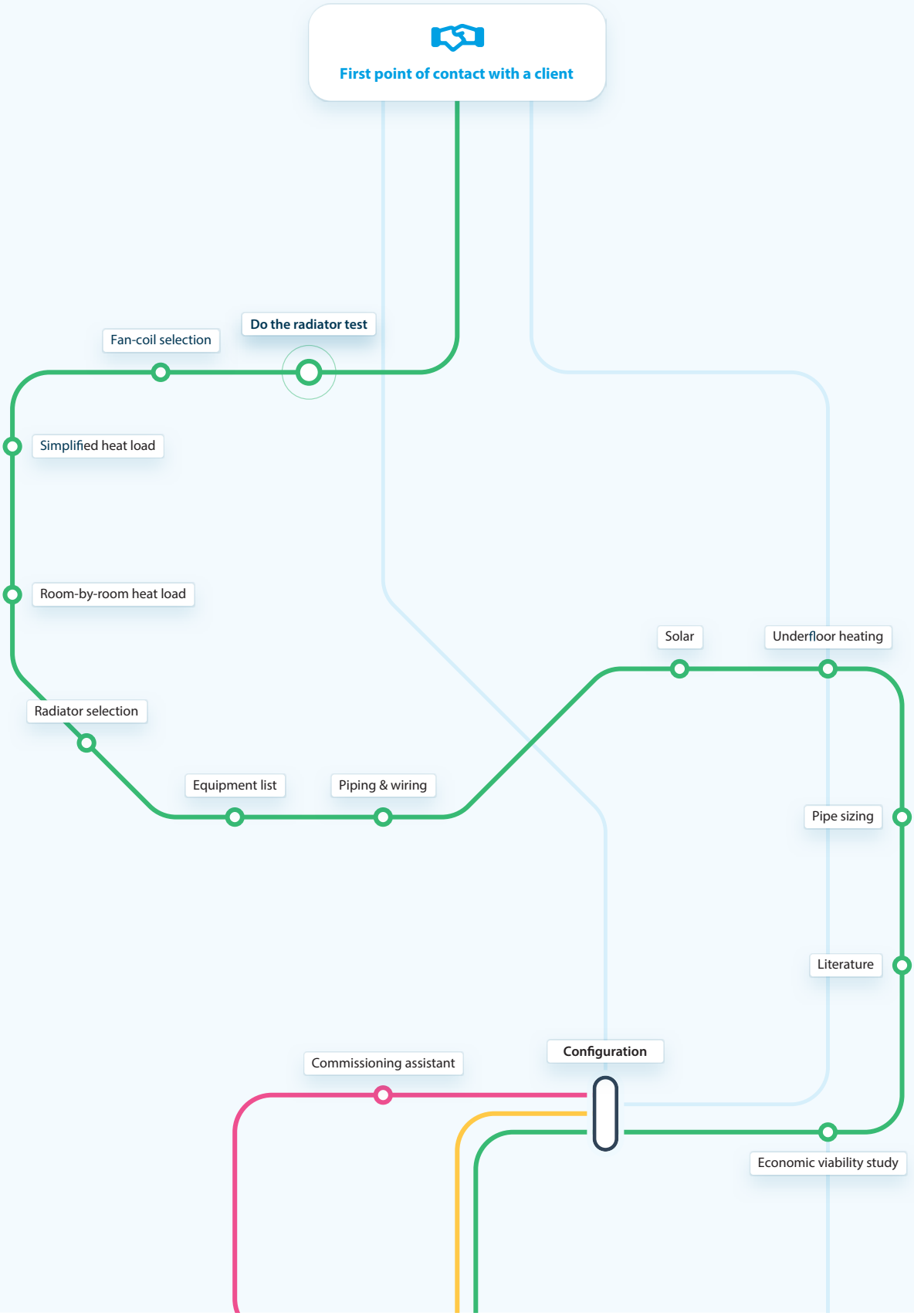
From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation.
By changing certain settings they can improve your comfort immediately. Save time and get a better support, thanks to these new features.

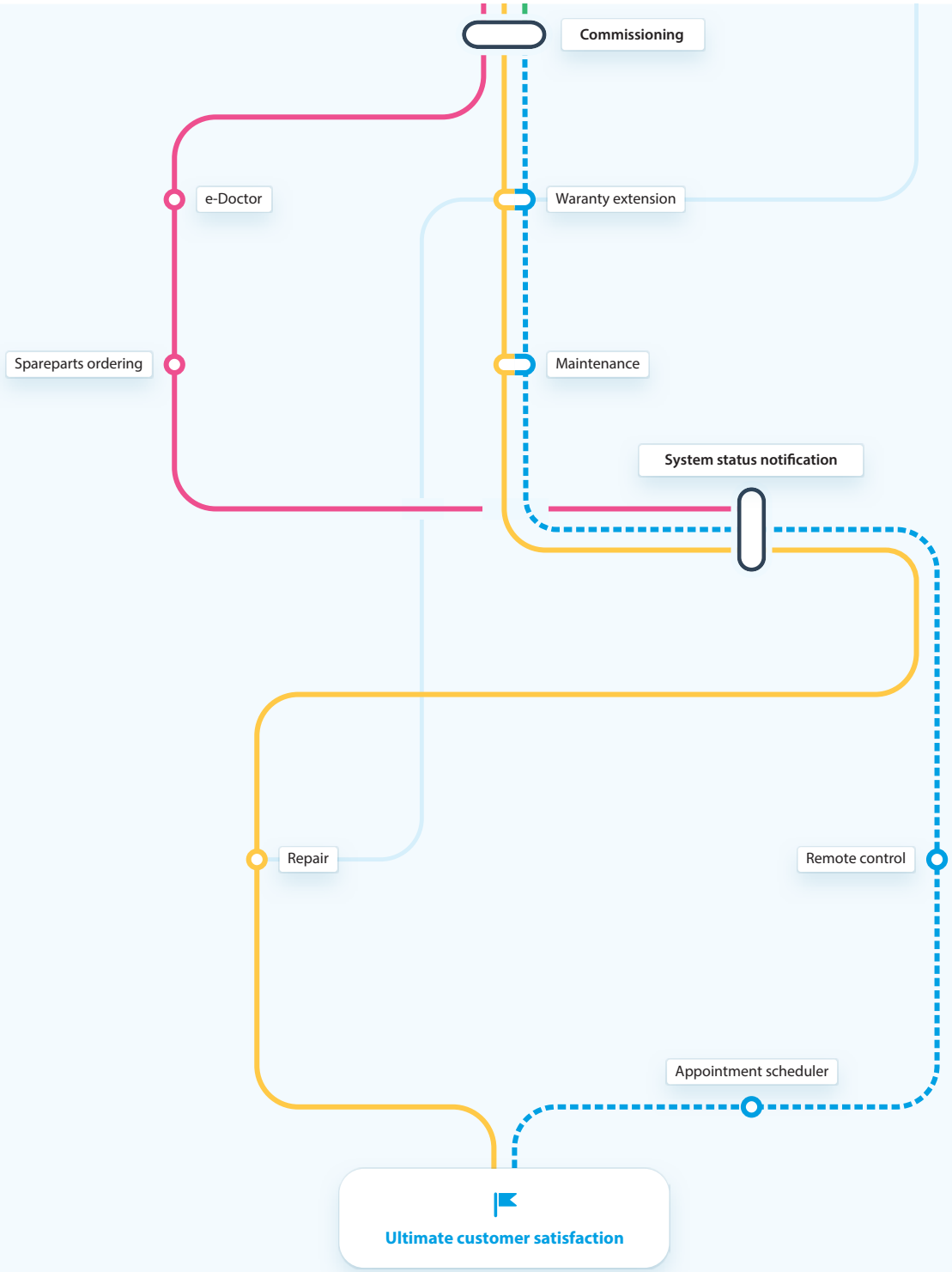
- ☑ Space heating/cooling
- ☑ Main zone & Additional zone (LWT)
- ☑ Domestic hot water
- ☑ Room (RT)
- ☑ Installer – Error handling



All about the Heating Solutions Navigator

The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers homes. With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.





Heating Solutions Navigator

- Do the radiator test
- Fan-coil selection
- Simplified Heat load
- Room by Room heat load
- Commissioning assistant
- Equipment list
- Piping & wiring
- Solar
- Underfloor heating
- Pipe sizing
- Literature
- Economic viability study
- Configuration
- Commissioning

e-Care Mobile App

- Commissioning assistant
- Commissioning
- e-Doctor
- Spareparts ordering
- System status notifications

Stand By Me

- Configuration
- Commissioning
- Waranty extension
- System status notifications

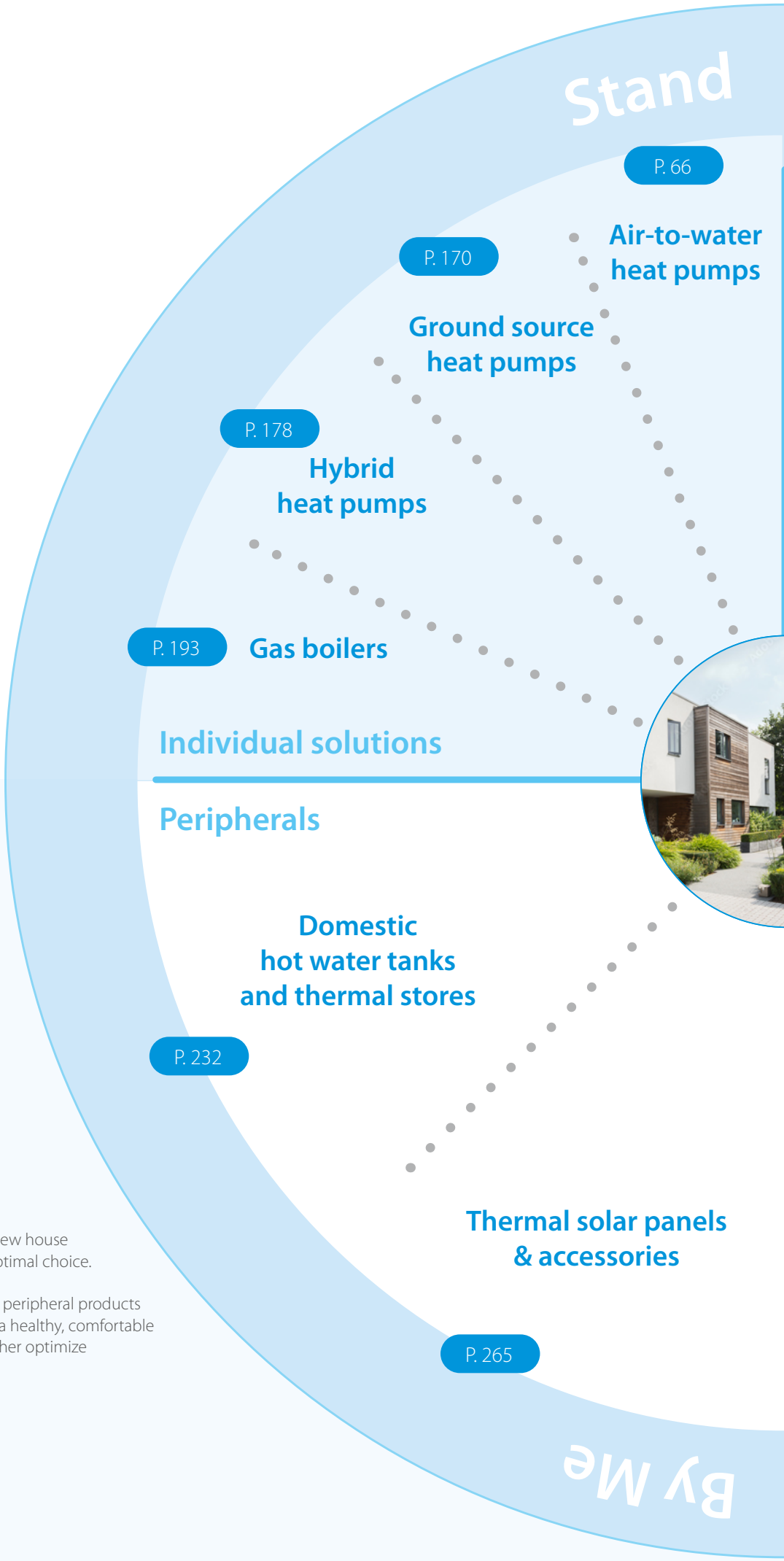
Onecta app

- Warranty extension
- Maintenance
- Remote control
- Appointment scheduler

Residential heating

Whether you're renovating or building a new house or apartment, a Daikin heat pump is an optimal choice.

Our heat pumps integrate with a range of peripheral products to provide a custom solution that creates a healthy, comfortable climate year-round while helping you further optimize the efficiency of your heating system.



By Me

P. 214

Decentralised

P. 215

Centralised



Water loop P. 218

Collective solutions

Peripherals

Controls

P. 237

Heating and cooling emitters
Air purification and ventilation

P. 249

Stand



Individual solutions

Daikin's DNA is all about heat pumps.

In residential heating, we offer a wide range of heat pumps from air-to-water to hybrid heat pumps, including ground source heat pumps.

Daikin heat pumps can answer all need by providing the necessary comfort in space heating, space cooling or domestic hot water.

P. 66

DAIKIN ALTHERMA 3 R

4-6-8 kW

P. 126

DAIKIN ALTHERMA 3 H MT & HT

MT: 08-10-12 / HT: 14-16-18 kW

Air-to-water
Mid to high temperature

Heating
Cooling
DHW

HEAT

Heating
Cooling
DHW

Heating
Cooling
DHW



DAIKIN ALTHERMA 3 GEO

P. 170

Ground source

Gas hybrid



DAIKIN ALTHERMA R HYBRID

P. 178



P. 86

DAIKIN ALTHERMA 3 R

11-14-16 kW

Heating
Cooling
DHW

P. 110

DAIKIN ALTHERMA 3 M

4-6-8 / 9-11-14-16 kW

PUMP

DHW
only



P. 164

DAIKIN ALTHERMA M HW

Heating
DHW

Air-to-water
Low temperature





DAIKIN ALTHERMA H HYBRID

P. 186



Heat Pumps

Daikin Altherma 3 R (ERGA-E series, 4-6-8 kW) 66
Daikin Altherma 3 R F 68
Daikin Altherma 3 R ECH$_2$O 74
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Daikin Altherma R Hybrid 181
Daikin Altherma R Hybrid + multi 182
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Daikin Altherma 3 R

powered by Bluevolution with R-32 refrigerant

Why choose **Daikin Altherma 3 R**?

Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.



Unique on the market

High performance

› Leaving water temperature up to 65 °C at high efficiency
› Suitable for both underfloor heating and radiators
› Pedigree trademark in forst protection down to -25 °C, ensuring reliable operation even in the coldest climates

› The Bluevolution technology offers the highest performance:
  • Seasonal efficiency up to A+++
  • Heating efficiency up to a COP of 5.1 (at 7 °C/35 °C)
  • Domestic hot water efficiency up to COP of 3.3 (EN16147)
› Available in 4, 6 and 8 kW

Easy to install

› Delivered ready to operate: all key hydraulic elements are factory mounted
› All servicing can be done from the front and all pipings can be accessed at the top of the unit
› Black and white modern design
› Reduced installation time: the outdoor unit is tested and charged with refrigerant

Easy commissioning

› Integrated high resolution colour interface
› Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to operate
› Configuration can take place remotely to upload later on the unit after the day of the installation

Easy to control

› The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressor ensures consistent room temperatures at all times.
› Control your system from anywhere at any time via the Daikin Residential Controller app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R-32 Daikin Altherma 3 R range can also be fully integrated with other home control systems

Control with Onecta app



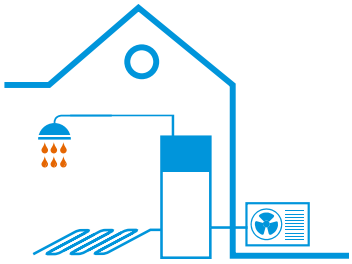
Daikin Altherma 3 R offers a wide range to adapt to your customers needs

- **Best seasonal efficiencies** providing the highest savings on running costs
- Perfect fit for **new buildings,** as well as for low energy houses
- A leaving water temperature up to 65 °C

makes it also **a suitable choice for refurbishments**

To cover all applications, the Daikin Altherma 3 R is available in

3 different indoor units



Daikin Altherma 3 R F

Floor standing unit with integrated domestic hot water tank

Compact and yet 100% comfort guaranteed

- All components and connections are factory mounted
- Very small 595 x 625 mm installation footprint required
- Minimum electrical input with constantly available hot water
- Dedicated Bi-Zone models available: two temperature zones automatically regulated by the same indoor unit
- Modern stylish design available in white or silver-grey
- Compatible with the Daikin Residential Controller app
- Voice control available

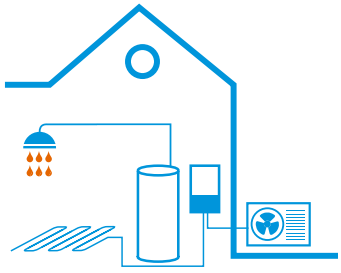


Daikin Altherma 3 R ECH$_2$O

Floor standing unit with integrated ECH$_2$O tank

Integrated solar unit and domestic hot water tank

- Maximising renewable energy with top comfort for hot water preparation
- Solar support for domestic hot water
- Lightweight plastic tank
- Bivalent option: can be combined with a secondary heat source
- App control available



Daikin Altherma 3 R W

Wall mounted unit

High flexibility for installation and domestic hot water connection

- Compact unit with small installation (almost no side clearance is required)
- Can be combined with a space separate domestic hot water tank up to 500 litres, with or without solar support
- Stylish modern design
- Compatible with the Daikin Residential Controller app
- Voice control available

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION



Daikin Altherma 3 R F

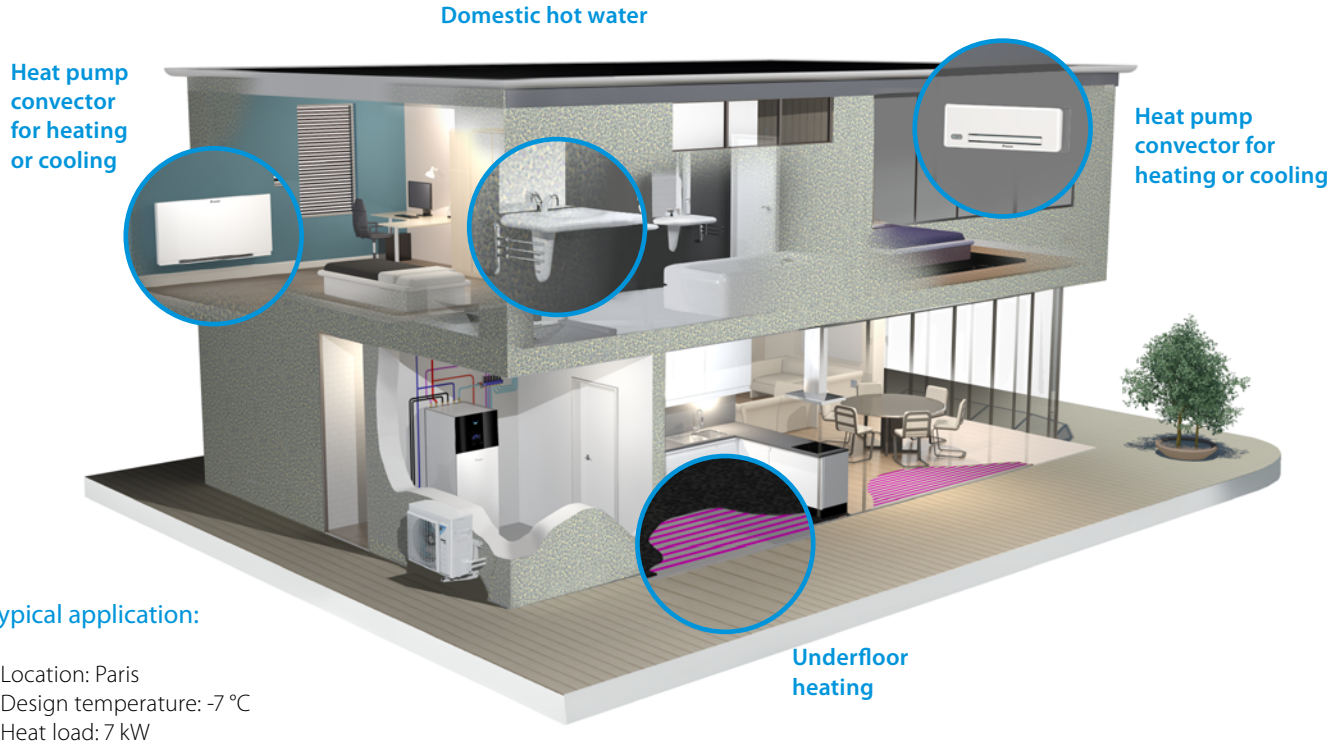
floor standing unit with integrated domestic hot water tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 3, 6, 9 kW
- Dedicated Bi-Zone models allowing temperature monitoring for 2 zones connect underfloor heating to radiators for optimise efficiency



Typical application:

- Location: Paris
- Design temperature: -7 °C
- Heat load: 7 kW
- Heating off temperature: 16 °C

All-in one design

Reduces the installation footprint and height

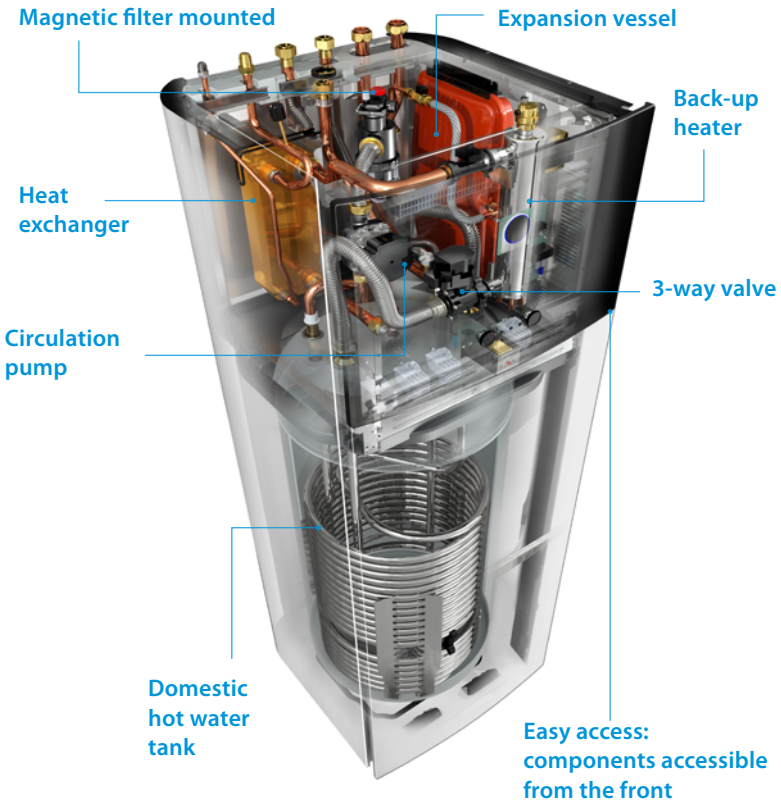
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1.65 m for a 180 L tank and 1.85 m for a 230 L tank, the required installation height is less than 2 m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface



The Daikin Eye

The intuitive Daikin eye shows you in real time the status of the system. Blue is perfect! Should the eye turn red, an error has occured.

Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

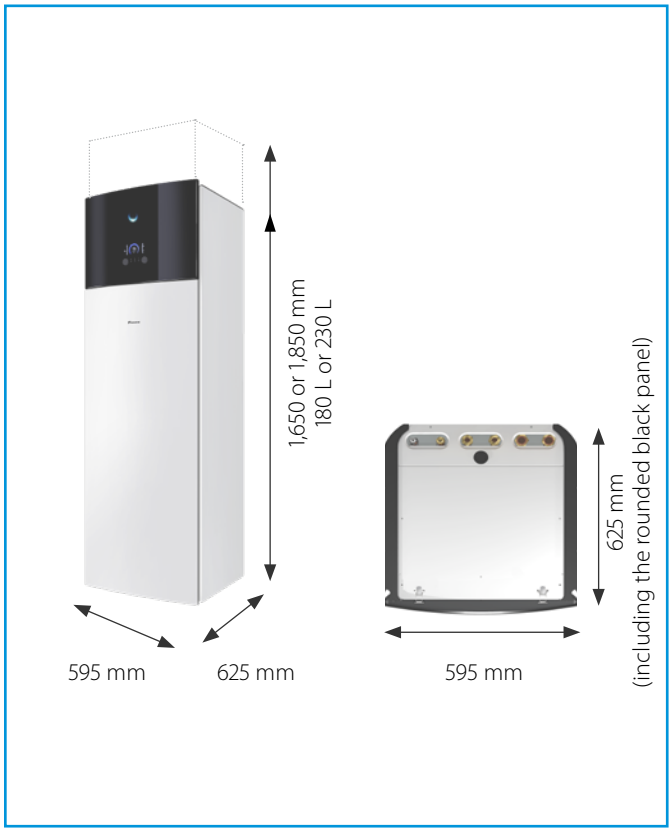
Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Integrated indoor unit



DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R F

Floor standing air to water heat pump for **heating and hot water**; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

up to A+++ A+ 65 °C R-32

More details and final information can be found by scanning or clicking the QR codes.

EHVH-E6V EHVH-E9W ERGA-EV ERGA-EVH ERGA-EVH7

Efficiency data				EHVH + ERGA	04S18E6V + 04EV	04S23E6V + 04EV	08S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6VE/9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Water heating energy efficiency class			A+					

Indoor Unit				EHVH	04S18E6V	04S23E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	119	128	119	128	119	128
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15 ~65					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	70					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO_2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R F

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 3, 6, 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

More details and final information can be found by scanning or clicking the QR codes.

up to A+++ | A+ | 65 °C | R-32

EHVX-E3V | EHVX-E6V | EHVX-E9W | ERGA-EV | ERGA-EVH | ERGA-EVH7

Efficiency data					EHVX + ERGA	04S18E3V/E6V + 04EV	04S23E3V/E6V + 04EV	08S18E6V/E9W + 06EVH	08S23E6V/E9W + 06EVH	08S18E6V/E9W + 08EVH7	08S23E6V/E9W + 08EVH7
Heating capacity	Nom.				kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.			kW	0,850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.				kW	4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Cooling	Nom.			kW	0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP						5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER						5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP			3.29		3.28		3.35	
			ηs (Seasonal space heating efficiency)		%	129		128		131	
			Seasonal space heating eff. class			A++					
	Average climate water outlet 35 °C	General	SCOP			4.54		4.52		4.61	
			ηs (Seasonal space heating efficiency)		%	179		178		181	
			Seasonal space heating eff. class			A+++					
Domestic hot water heating	General	Declared load profile				L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)			%	127 / 125	134 / 133	125	133	125	133
		Water heating energy efficiency class				A+					

Indoor Unit				EHVX	04S18E3V/E6V	04S23E3V/E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	119	128	119	128	119	128
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15 ~65					
	Cooling	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	70					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.		°CDB	10~43		
	Domestic hot water	Min.~Max.		°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO_2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating	Nom.		dBA	58	60	62
	Cooling	Nom.		dBA	61	62	
Sound pressure level	Heating	Nom.		dBA	44	47	49
	Cooling	Nom.		dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

Floor standing integrated with **two different temperature zones monitoring**

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



011-1W0218 → 222

up to A+++ A+ 65 °C R-32

More details and final information can be found by scanning or clicking the QR codes.

EHVZ-E6V EHVZ-E9W ERGA-EV ERGA-EVH ERGA-EVH7

Efficiency data					EHVZ + ERGA	04S18E6V + 04EV	08S18E6V/E9W + 06EVH	08S23E6V/E9W + 06EVH	08S18E6V/E9W + 08EVH7	08S23E6V/E9W + 08EVH7
Heating capacity	Nom.			kW		4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW		0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP						5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP			3.26			3.32	
			ηs (Seasonal space heating efficiency)	%		127			130	
			Seasonal space heating eff. class			A++				
	Average climate water outlet 35 °C	General	SCOP			4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%		176			179	
			Seasonal space heating eff. class			A+++				
Domestic hot water heating	General	Declared load profile				L		XL	L	XL
	Average climate	ηwh (water heating efficiency)		%		125		133	125	133
		Water heating energy efficiency class				A+				

Indoor Unit				EHVZ	04S18E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W
Casing	Colour				White + Black				
	Material				Resin / Sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625		1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	125		133	125	133
Tank	Water volume			l	180		230	180	230
	Maximum water temperature			°C	70				
	Maximum water pressure			bar	10				
	Corrosion protection				Pickling				
Operation range	Heating	Ambient	Min.~Max.	°C	5~30				
		Water side	Min.~Max.	°C	15 ~65				
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35				
		Water side	Max.	°C	70				
Sound power level	Nom.			dBA	42				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO_2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

DAIKIN
R32



Floor standing unit with integrated ECH$_2$O tank

The Daikin Altherma low temperature split integrated ECH$_2$O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling.

Intelligent storage management

› The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
› Continuous heating during defrost mode and use of stored heat for space heating (500 l tank only)
› Electronic management of both heat pump and ECH$_2$O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
› Achieves the highest standards for water sanitation
› Uses more renewable energy with solar connection

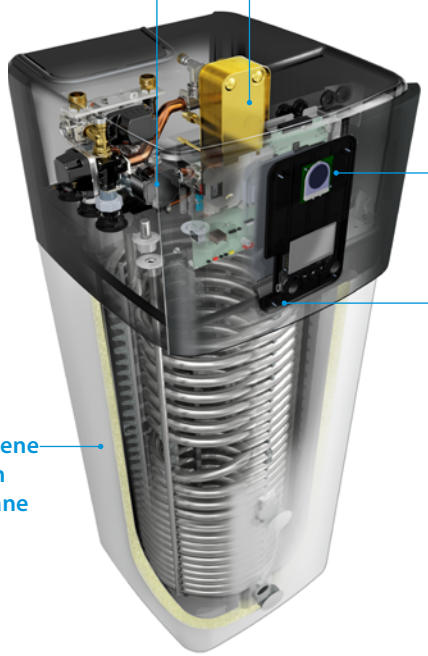
Innovative and high-quality tank

› Lightweight plastic tank
› No corrosion, anode, scale or lime deposits
› Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

› The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH$_2$O



Advanced user interface



The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

ECH_2O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home

› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

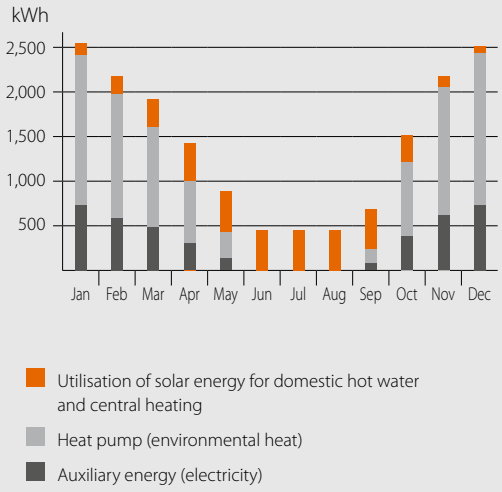
Pressureless (drain-back) solar system (EHSH-E, EHSX-E)

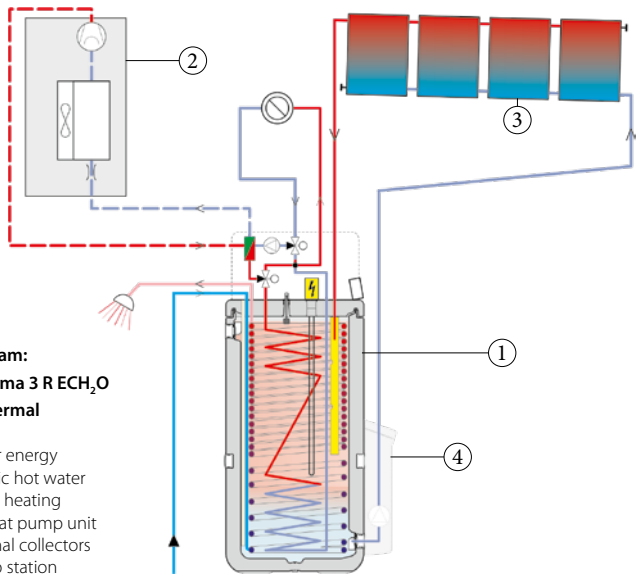
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

Pressurised solar system (EHSHB-E, EHSXB-E)

› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house





System diagram: Daikin Altherma 3 R ECH_2O with solar thermal

1 Use of solar energy for domestic hot water and central heating
2 External heat pump unit
3 Solar thermal collectors
4 Solar pump station

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for **heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump
- Compatible with the Onecta app
- Voice control available



up to A+++ A+ 65 °C R-32

011-1W0262
011-1W0264 → 267

More details and final information can be found by scanning or clicking the QR codes.

EHSH-E ERGA-EV ERGA-EVH ERGA-EVH7

Efficiency data					EHSH + ERGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.				kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.			kW	0.84 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP						5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP			3.26			3.32	
			ηs (Seasonal space heating efficiency)	%		127			130	
			Seasonal space heating eff. class			A++				
	Average climate water outlet 35 °C	General	SCOP			4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%		176			179	
			Seasonal space heating eff. class			A+++				
Domestic hot water heating	General	Declared load profile				L	XL		L	XL
	Average climate	ηwh (water heating efficiency)		%		118	125		118	125
		Water heating energy efficiency class				A+				

Indoor Unit					EHSH	04P30E	08P30E	08P50E	08P30E	08P50E
Casing	Colour					Traffic white (RAL9016) / Traffic black (RAL9017)				
	Material					Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth			mm	1,892x594x644		1,905x792x812	1,892x594x644	1,905x792x812
Weight	Unit				kg	77		107	77	107
Tank	Water volume				l	294		477	294	477
	Maximum water temperature				°C	85				
Operation range	Heating	Ambient	Min.~Max.		°C	-25~25				
		Water side	Min.~Max.		°C	18~65				
	Domestic hot water	Ambient	Min.~Max.		°CDB	-25~35				
		Water side	Min.~Max.		°C	25~55				
Sound power level	Nom.				dBA	39				

Outdoor Unit					ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth			mm	740x884x388		
Weight	Unit				kg	58.5		
Compressor	Quantity					1		
	Type					Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.		°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.		°CDB	-25 ~35		
Refrigerant	Type					R-32		
	GWP					675.0		
	Charge				kg	1.50		
	Charge				TCO$_2$Eq	1.01		
	Control					Expansion valve		
Sound power level	Heating		Nom.		dBA	58	60	62
	Cooling		Nom.		dBA	61	62	
Sound pressure level	Heating		Nom.		dBA	44	47	49
	Cooling		Nom.		dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage				Hz/V	V3/1N~/50/230		
Current	Recommended fuses				A	25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for **bivalent heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- Compatible with the Onecta app
- Voice control available



up to A+++ A+ 65 °C R-32

011-1W0262
011-1W0264 → 267

More details and final information can be found by scanning or clicking the QR codes.

EHSHB-E ERGA-EV ERGA-EVH ERGA-EVH7

Efficiency data				EHSHB + ERGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35 °C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++				
Domestic hot water heating	General	Declared load profile			L		XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	118		125	118	125
		Water heating energy efficiency class			A+				

Indoor Unit				EHSHB	04P30E	08P30E	08P50E	08P30E	08P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth		mm	1,892x594x644		1,905x792x812	1,892x594x644	1,905x792x812
Weight	Unit			kg	79		110	79	110
Tank	Water volume			l	294		477	294	477
	Maximum water temperature			°C	85				
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25				
		Water side	Min.~Max.	°C	18~65				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35				
		Water side	Min.~Max.	°C	25~55				
Sound power level	Nom.			dBA	39				

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO$_2$Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for **heating, cooling and hot water** with thermal solar support

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- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
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- Compatible with the Onecta app
- Voice control available



up to A+++ A+ 65 °C R-32

011-1W0262 → 267

More details and final information can be found by scanning or clicking the QR codes.

EHSX-E ERGA-EV ERGA-EVH ERGA-EVH7

Efficiency data				EHSX + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Cooling	Nom.		kW	0.81 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.29		3.28		3.35	
			ηs (Seasonal space heating efficiency)	%	129		128		131	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.54		4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	179		178		181	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	118	125	118	125	118	125
		Water heating energy efficiency class			A+					

Indoor Unit				EHSX	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812
Weight	Unit			kg	77	107	77	107	77	107
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					
		Water side	Min.~Max.	°C	18~65					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	39					

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO$_2$Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R ECH$_2$O

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- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- Compatible with the Onecta app
- Voice control available



up to A+++ A+ 65 °C R-32

011-1W0262 → 267

More details and final information can be found by scanning or clicking the QR codes.

EHSXB-E ERGA-EV ERGA-EVH ERGA-EVH7

Efficiency data				EHSXB + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Cooling	Nom.		kW	0.81 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.29		3.28		3.35	
			ηs (Seasonal space heating efficiency)	%	129		128		131	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.54		4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	179		178		181	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	118	125	118	125	118	125
		Water heating energy efficiency class			A+					

Indoor Unit				EHSXB	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812
Weight	Unit			kg	79	110	79	110	79	110
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					
		Water side	Min.~Max.	°C	18~65					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	39					

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO$_2$Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION

Daikin Altherma 3 R W

Wall mounted unit

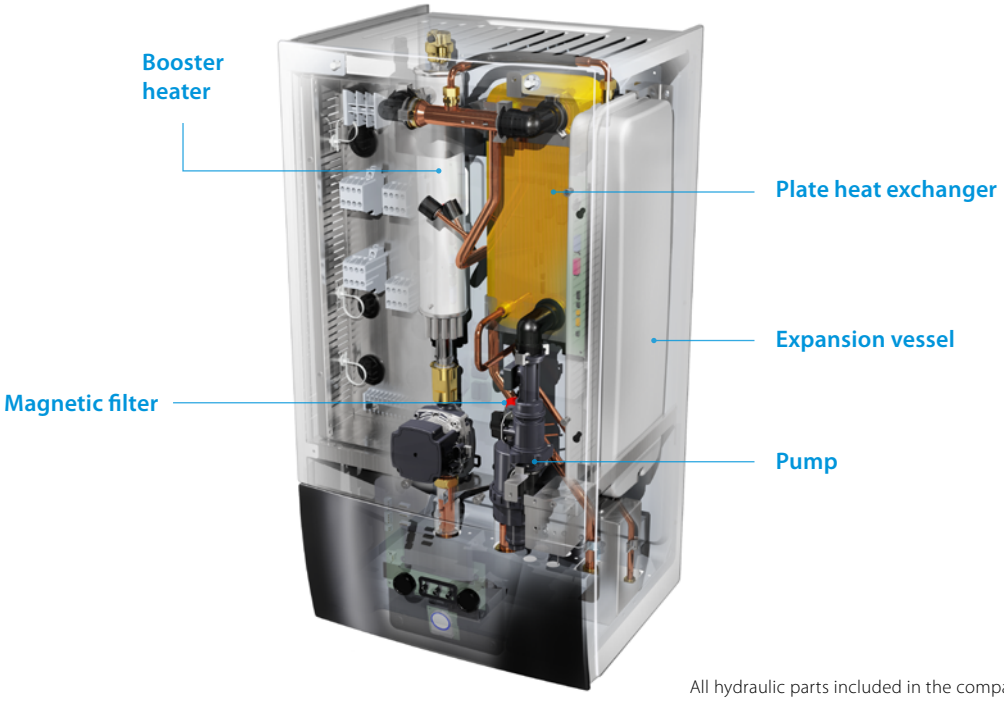


Why choose Daikin wall mounted unit?

The Daikin Altherma 3 R W wall mounted unit offers **heating and cooling** with high flexibility for a quick and easy installation, **with an optional connection to deliver domestic hot water.**

High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel or ECH$_2$O thermal store



All hydraulic parts included in the compact wall mounted unit.

Flexibility in providing domestic hot water

If the end user only requires hot water and installation height is limited, a separate tank can provide the required installation flexibility. At the side of our standard stainless steel tanks, we propose the ECH_2O thermal stores.



ECH_2O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: with high tapping performance
› Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build on the unit combined with cascade principle offers flexible installation options



Example of installation with a stainless steel domestic hot water tank (EKHWS(P)-D).

Daikin Altherma 3 R W

Wall mounted **heating only** air-to-water heat pump ideal for low energy houses

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



up to A+++ | 65 °C | R-32

011-1W0218-219
011-1W0221
011-1W0246-247

More details and final information can be found by scanning or clicking the QR codes.

EHBH-E6V | EHBH-E9W | ERGA-EV | ERGA-EVH | ERGA-EVH7

Efficiency data				EHBH + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35 °C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++				

Indoor Unit				EHBH	04E6V	08E6V	08E9W	08E6V	08E9W
Casing	Colour				White + Black				
	Material				Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390				
Weight	Unit			kg	42.0		42.4	42.0	42.4
Operation range	Heating	Water side	Min.~Max.	°C	15 ~65				
	Domestic hot water	Water side	Min.~Max.	°C	25~75				
Sound power level	Nom.			dBA	42				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388		
Weight	Unit		kg		58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB		10~43		
	Domestic hot water	Min.~Max.	°CDB		-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge		kg		1.50		
	Charge		TCO$_2$Eq		1.01		
	Control				Expansion valve		
Sound power level	Heating	Nom.	dBA		58	60	62
	Cooling	Nom.	dBA		61	62	
Sound pressure level	Heating	Nom.	dBA		44	47	49
	Cooling	Nom.	dBA		48	49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1N~/50/230		
Current	Recommended fuses		A		25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R W

Wall mounted **reversible** air-to-water heat pump ideal for low energy houses

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Outdoor unit extracts heat from the outdoor air, even at -25 °C
- Compatible with the Onecta app
- Voice control available



011-1W0218-219
011-1W0221
011-1W0246-247

up to A+++ | 65 °C | R-32

More details and final information can be found by scanning or clicking the QR codes.

EHBX-E6V | EHBX-E9W | ERGA-EV | ERGA-EVH | ERGA-EVH7

Efficiency data				EHBX + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Cooling	Nom.		kW	0.810 (1) / 1.36 (2)	1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.98 (1) / 3.32 (2)	5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.29	3.28		3.35	
			ηs (Seasonal space heating efficiency)	%	129	128		131	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35 °C	General	SCOP		4.54	4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	179	178		181	
			Seasonal space heating eff. class		A+++				

Indoor Unit				EHBX	04E6V	08E6V	08E9W	08E6V	08E9W
Casing	Colour				White + Black				
	Material				Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390				
Weight	Unit			kg	42.0		42.4	42.0	42.4
Operation range	Heating	Water side	Min.~Max.	°C	15 ~65				
	Domestic hot water	Water side	Min.~Max.	°C	25~75				
Sound power level	Nom.			dBA	42				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388		
Weight	Unit		kg		58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB		10~43		
	Domestic hot water	Min.~Max.	°CDB		-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge		kg		1.50		
	Charge		TCO$_2$Eq		1.01		
	Control				Expansion valve		
Sound power level	Heating	Nom.	dBA		58	60	62
	Cooling	Nom.	dBA		61	62	
Sound pressure level	Heating	Nom.	dBA		44	47	49
	Cooling	Nom.	dBA		48	49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1N~/50/230		
Current	Recommended fuses		A		25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Combination table and options

			Floor standing				
			Heating only		Reversible		Bi
			EHVH04S18E6V	EHVH08S18E6V	EHVX04S18E3V	EHVX08S18E6V	EHVZ04S18E6V
			EHVH04S23E6V	EHVH08S23E6V	EHVX04S23E3V	EHVX08S23E6V	
				EHVH08S18E9W	EHVX04S18E6V	EHVX08S18E9W	
				EHVH08S23E9W	EHVX04S23E6V	EHVX08S23E9W	
Type	**Description**	**Material name**					
Outdoor unit	4kW	ERGA04EAV3	●		●		●
	6kW	ERGA06EAV3H		●		●	
	8kW	ERGA08EAV3H7		●		●	
Controls	Madoka wired room thermostat	BRC1HHDK/S/W	●	●	●	●	●
	Wireless room thermostat	EKRTR1	●	●	●	●	●
	Wired digital thermostat	EKRTWA	●	●	●	●	●
	LAN adapter	BRP069A62 (with MMI from v6.8.0)	●	●	●	●	●
	WLAN module	BRP069A71	● (1)	● (1)	● (1)	● (1)	● (1)
	WLAN cartridge	BRP069A78	● (1)	● (1)	● (1)	● (1)	● (1)
	Universal centralised controller for cascade	EKCC8-W DCOM-LT/IO,-LT/MB	●	●	●	●	●
Sensors	Remote indoor sensor	KRCS01-1	● (2)	● (2)	● (2)	● (2)	● (2)
	Remote outdoor sensor	EKRSCA1	● (2)	● (2)	● (2)	● (2)	● (2)
	External sensor for EKRTR room thermostat	EKRTETS	● (3)	● (3)	● (3)	● (3)	● (3)
Bizone kits	Watts kit	BZKA7V3	●	●	●	●	
	Generic bizone kit	EKMIKPOAF					
	Generic bizone kit	EKMIKPHAF					
Domestic hot water	DHW tank	EKHWS(P)(U)-D(3)V3					
	Thermal stores	EKHWP-(P)B					
	Third party tank kit	EKHY3PART					
	Third party tank kit	EKHY3PART2					
Heat pump convector	Floor standing	FWXV15/20/25*	● (5)	● (5)	● (5)	● (5)	● (5)
	Wall mounted	FWXT15/20/25*	● (5)	● (5)	● (5)	● (5)	● (5)
	Concealed	FWXM15/20/25*	● (5)	● (5)	● (5)	● (5)	● (5)
Other options	Digital I/O PCB	EKRP1HBAA	● (6)	● (6)	● (6)	● (6)	● (6)
	Demand PCB	EKRP1AHTA	●	●	●	●	●
	PC USB cable	EKPCCAB4	●	●	●	●	●
	Relay smart grid	EKRESLG	●	●	●	●	●
	Corner pipe bend kit	EKHVTC	●	●	●	●	
Dedicated ECH_2O options	Inline back-up heater (3kW, for *3V (1N ~, 230 V, 3 kW)	EKECBUAF3V					
	Inline back-up heater (6kW, for *6V (1N ~, 230 V, 6 kW)	EKECBUAF6V					
	Inline back-up heater (9kW, for *9WN (3N ~, 400 V, 9 kW)	EKECBUAF9W					
	Inline back-up heater connection kit	EKECBUCO3AF					
	Dirt separator	156021					
	Bivalent connector kit	EKECBIVCO2AF					
	Drain-back connector kit	EKECDBCO2AF					
	Circulation stop valves (2 pcs)	165070					
	Fill and drain connection KFE BA	165215					

(1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2 (in case of bad reception of signal, the WLAN cartridge can be removed and replaced by the WLAN or LAN module).
(2) Only 1 sensor can be connected: indoor OR outdoor sensor.
(3) Can only be used in combination with the wireless room thermostat EKRTR(1).
(4) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

	ECH$_2$0				Wall mounted			
zone	Standard		Bivalent		Heating only		Reversible	
EHVZ08S18E6V	EHSH04P30E	EHSH08P30E	EHSHB04P30E	EHSHB08P30E	EHBH04E6V	EHBH08E6V	EHBX04E6V	EHBX08E6V
EHVZ08S23E6V		EHSH08P50E		EHSHB08P50E		EHBH08E9W		EHBX08E9W
EHVZ08S18E9W		EHSX04P30E		EHSXB04P30E				
EHVZ08S23E9W		EHSX04P50E		EHSXB04P50E				
		EHSX08P30E		EHSXB08P30E				
		EHSX08P50E		EHSXB08P50E				
	●		●		●		●	
●		●		●		●		●
●		●		●		●		●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
● (1)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1)
● (1)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1)
●	●	●	●	●	●	●	●	●
● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)
● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)
● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)
					●	●	●	●
	●	●	●	●				
	●	●	●	●				
					●	●	●	●
					●	●	●	●
					●	●	●	●
					● (4)	● (4)	● (4)	● (4)
● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)
● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)
● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)
● (6)					● (6)	● (6)	● (6)	● (6)
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
	● (7)	● (7)	● (7)	● (7)				
	● (7)	● (7)	● (7)	● (7)				
	● (7)	● (7)	● (7)	● (7)				
	● (7)	● (7)	● (7)	● (7)				
	●	●	●	●				
			●	●				
	●	●						
	●	●	●	●				
	●	●	●	●				

(5) Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).
(6) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
(7) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO*AF is needed to connect the backup heater to the main unit.



Daikin Altherma 3 R

The power pact

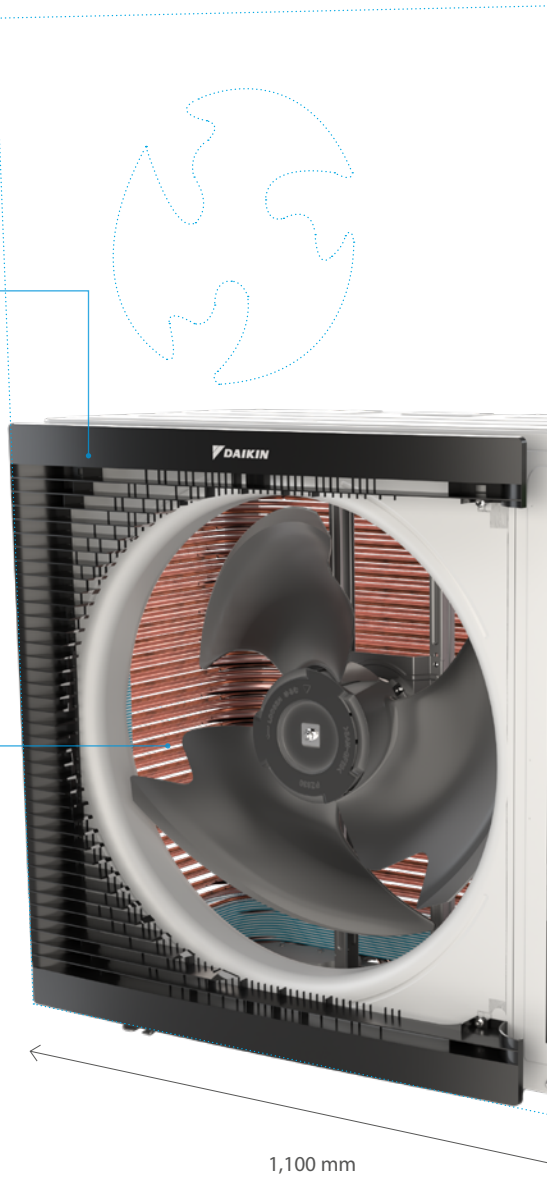
The Daikin Altherma 3 R is the world's first high capacity R-32 refrigerant split unit, providing cooling next to heating and domestic hot water.

Improved compactness

A redesigned casing

A black horizontal front grille hides the single fan, reducing the perception of sound produced by the unit.

The light grey casing reflects the installation space to help the unit blend into any environment.



A single fan for high-capacity units

Daikin engineers replaced the double fan with one larger fan and optimised its shape to lower the operational sound and improve air circulation.

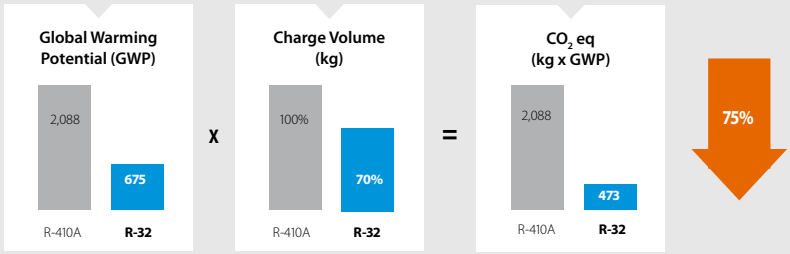


Check out the
improved comptactness!

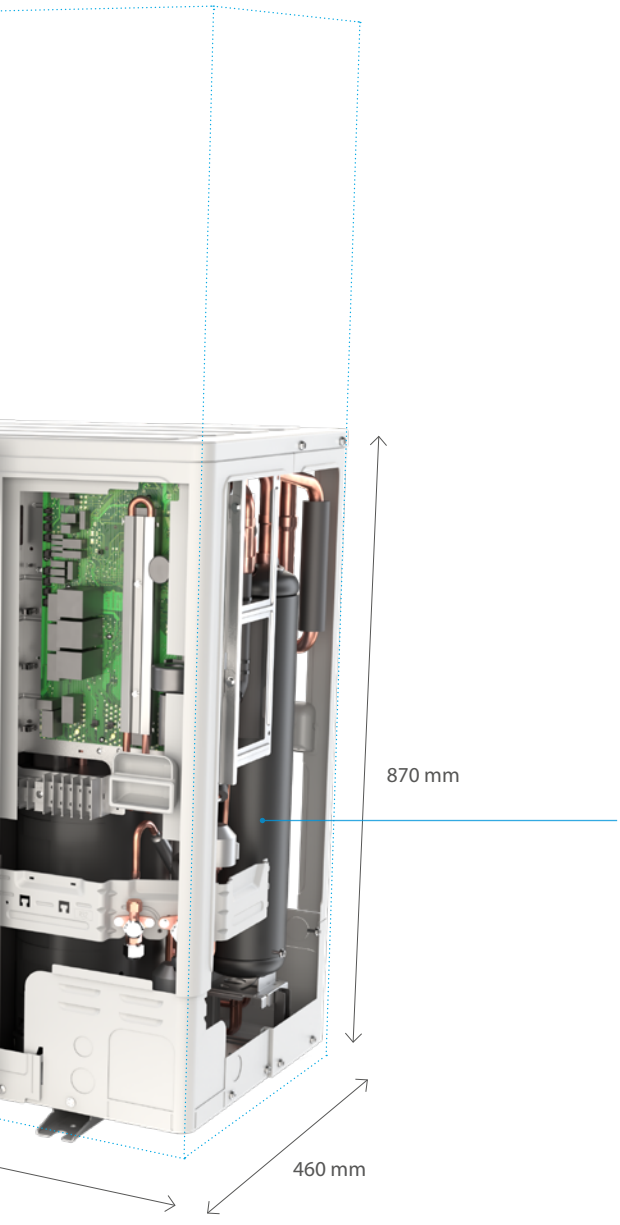
Running on refrigerant R-32

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.

Reduced environmental impact: CO_2eq > reduced by 75%
- GWP: R410A: 2,088 > R-32: 675
- 30% less refrigerant charge needed



R-32 BLUEVOLUTION



Ideal for small spaces

Thanks to its single fan, the height is reduced, and its black grille makes it fit discretely in all kind of exteriors.



Improved design



Meeting modern society expectations

Outside, the outdoor unit blends in thanks to its black front grille.
The horizontal lines of the grille hides the fan from view, making it more discreet.

In Europe, design has a huge importance. That's why, at Daikin, we have developped a new design line for outdoor units.

Customers invest in their property to make it look better and more sustainable, heat pumps must thick all boxes.

Check out the improved design!







Discretion and peace of mind

As a third generation Daikin Altherma heat pump, indoor units gather all the installation and design improvements, rewarded in 2018 by RedDot, iF and Plus X awards.

Daikin indoor units can be installed in different places, garage, basement, utility room or even a kitchen while still blending in with the indoor design.

The units have also been designed to ease the work of the installer and therefore contribute to your peace of mind!



DESIGN AWARD 2018

reddot award 2018
winner





DESIGN AWARD 2018

reddot award 2018
winner



Improved performance

All year round comfort

Daikin Altherma 3 R provides heating efficiently, both for space or domestic water.

With a leaving water temperature of up to 60°C at -7°C outside, the unit is intended for new buildings. The unit operations are ensured down to -25°C outside temperature.

As a low temperature heat pump, it is particularly efficient with low temperature emitters, such as underfloor heating and heat pump convectors, both available in the total Daikin solution.



World first in its category

Indeed, Daikin Altherma 3 R is the world first high capacity R-32 refrigerant split heat pump to provide cooling, next to heating!

A patent is also pending for the plate hate exchanger, positioning once more Daikin as the heat pump leader (patent application n°EP3839360).

Check out the improved performance!



Underfloor heating



Heat pump convector



Daikin Altherma 3 R, a complete offer

- ☑ Space Heating
- ☑ Space Cooling
- ☑ Domestic hot water
- ☑ App and voice control
- ☑ Flexible emitter choice
- ☑ All year round peace of mind

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION



Daikin Altherma 3 R F

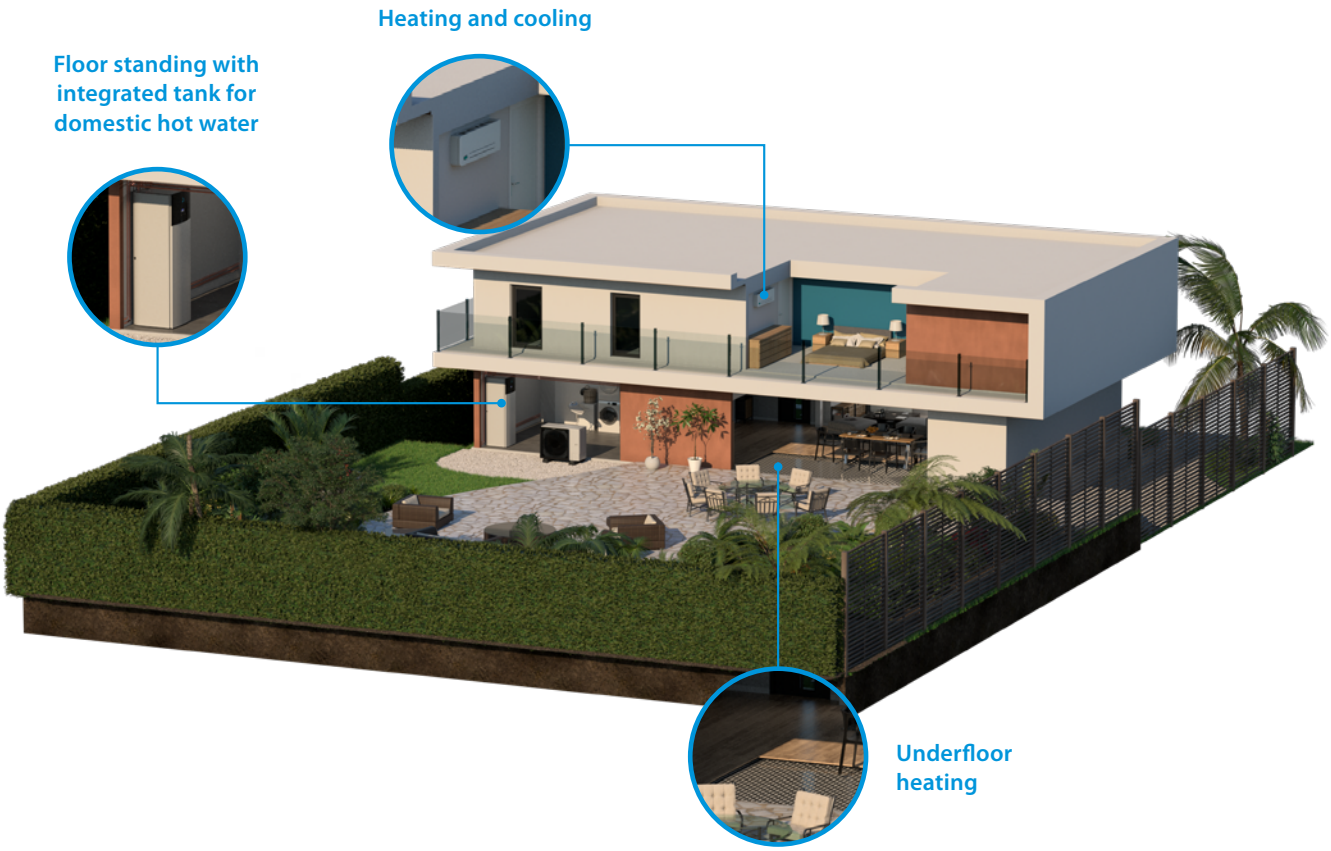
Floor standing unit with integrated tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for renovation or large new built.

All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems.
- Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 634 mm
- Integrated back-up heater choice of 6, 9 kW models are available
- Dedicated bi-zone models allowing temperature monitoring for 2 zones.



All-in one design

Reduces the installation footprint and height

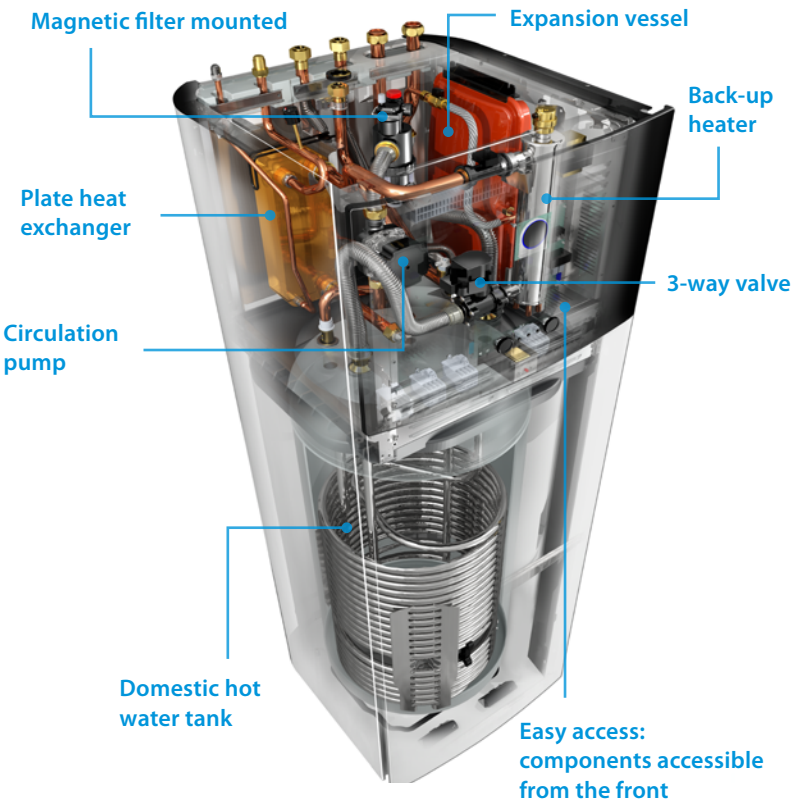
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 634 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1.65 m for an 180 L tank and 1.85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface



The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occured.

Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

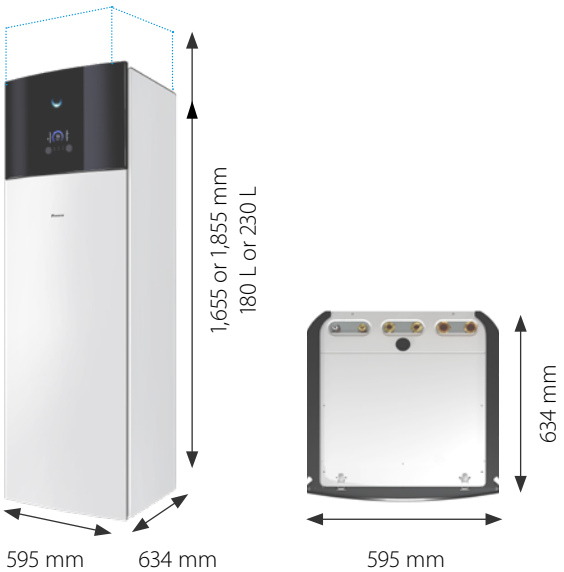
Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Integrated indoor unit



Daikin Altherma 3 R F

Floor standing air to water heat pump for **heating and hot water**

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 634 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -25°C



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500

up to A+++ | up to A+ | 60 °C | R-32

More details and final information can be found by scanning or clicking the QR codes.

ERLA11-14DV3 | ERLA11-14DW1 | EBVH-D6V | EBVH-D9W | ERLA-DV37 | ERLA-DW17

Efficiency data				EBVH + ERLA	11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP		3.23		3.22		3.32	
			ηs (Seasonal space heating efficiency)	%	126				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.63		4.60		4.61	
			ηs (Seasonal space heating efficiency)	%	182		181			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.73	2.63	2.73	2.63	2.73	2.63
		ηwh (water heating efficiency)		%	116	109	116	109	116	109
		Water heating energy efficiency class			A+	A	A+	A	A+	A

Indoor Unit				EBVH	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,655x595x634	1,855x595x634	1,655x595x634	1,655x595x634	1,655x595x634	1,855x595x634
Weight	Unit			kg	124	133	124	133	124	133
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating	Min. ~ Max.		°CDB	-25 ~ 35		
	Cooling	Min. ~ Max.		°CDB	10 ~ 43		
	Domestic hot water	Min. ~ Max.		°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO_2Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R F

Floor standing air to water heat pump for **heating, cooling and hot water**

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 634 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -25°C



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500

up to A+++ | up to A+ | 60 °C | R-32

More details and final information can be found by scanning or clicking the QR codes.

EBVX-D6V | EBVX-D9W | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data				**EBVX + ERLA**	**11S18D6V/9W + 11DV/W**	**11S23D6V/9W + 11DV/W**	**16S18D6V/9W + 14DV/W**	**16S23D6V/9W + 14DV/W**	**16S18D6V/9W + 16DV7/W7**	**16S23D6V/9W + 16DV7/W7**
Space heating	Average climate water outlet 55°C	General	SCOP		3.27		3.26		3.35	
			ηs (Seasonal space heating efficiency)	%	128				131	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.72		4.68			
			ηs (Seasonal space heating efficiency)	%	186		184			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.73	2.63	2.73	2.63	2.73	2.63
		ηwh (water heating efficiency)		%	116	109	116	109	116	109
		Water heating energy efficiency class			A+	A	A+	A	A+	A

Indoor Unit				**EBVX**	**11S18D6V/9W**	**11S23D6V/9W**	**16S18D6V/9W**	**16S23D6V/9W**	**16S18D6V/9W**	**16S23D6V/9W**
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634
Weight	Unit			kg	124	133	124	133	124	133
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Cooling	Ambient	Min. ~ Max.	°C	10 ~ 43					
		Water side	Min. ~ Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				**ERLA**	**11DV3/W1**	**14DV3/W1**	**16DV37/W17**
Dimensions	Unit		HeightxWidthxDepth	mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35		
	Cooling		Min. ~ Max.	°CDB	10 ~ 43		
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO_2Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

Floor standing integrated with **two different temperature zones monitoring**

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 634 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -25°C



011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500

up to A+++ up to A+ 60 °C R-32

More details and final information can be found by scanning or clicking the QR codes.

EBVZ-D6V EBVZ-D9W

ERLA11-14DV3 ERLA11-14DW1 ERLA-DV37 ERLA-DW17

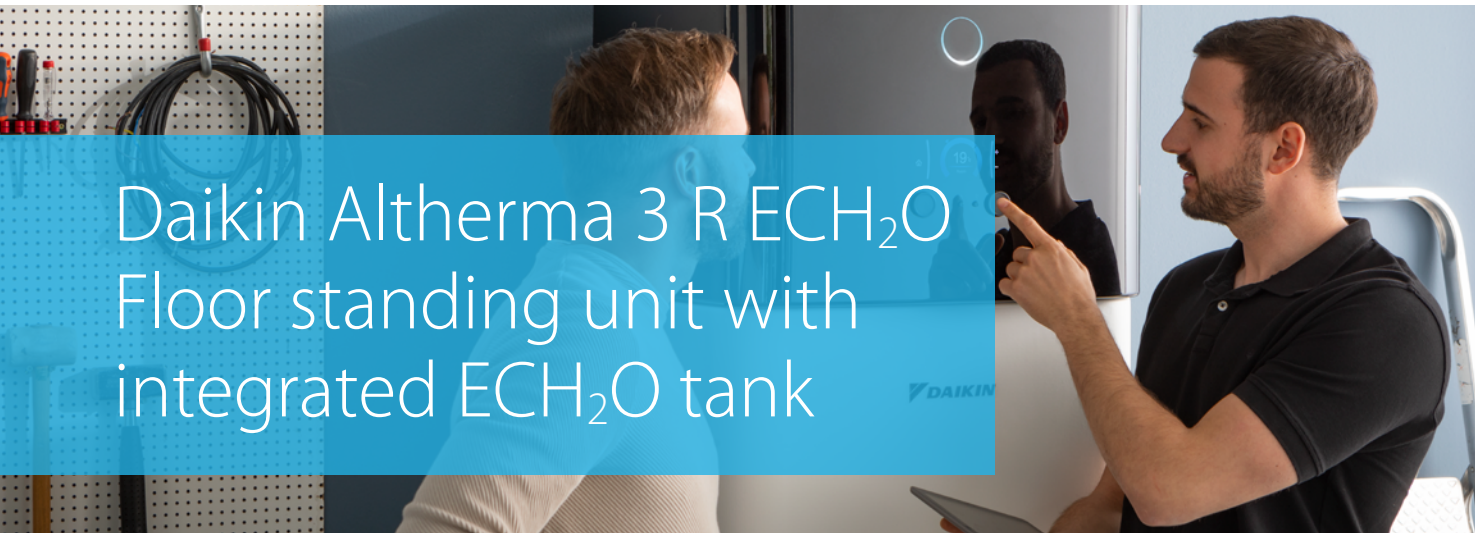
Efficiency data				EBVZ + ERLA	16S18D6V/9W + 11DV/W	16S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP		3.23		3.22		3.32	
			ηs (Seasonal space heating efficiency)	%	131		126		130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.61		4.60		4.61	
			ηs (Seasonal space heating efficiency)	%	182		181			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.73	2.63	2.73	2.63	2.73	2.63
		ηwh (water heating efficiency)		%	116	109	116	109	116	109
		Water heating energy efficiency class			A+	A	A+	A	A+	A

Indoor Unit				EBVZ	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S23D6V/9W	16S23D6V/9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634
Weight	Unit			kg	137	145	137	145	137	145
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 25					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17
Dimensions	Unit		HeightxWidthxDepth	mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35		
	Cooling		Min. ~ Max.	°CDB	10 ~ 43		
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO_2Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.





Daikin Altherma 3 R ECH$_2$O Floor standing unit with integrated ECH$_2$O tank

The Daikin Altherma low temperature split integrated ECH$_2$O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

Intelligent storage management

› The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
› Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
› Electronic management of both heat pump and ECH$_2$O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
› Achieves the highest standards for water sanitation
› Uses more renewable energy with solar connection

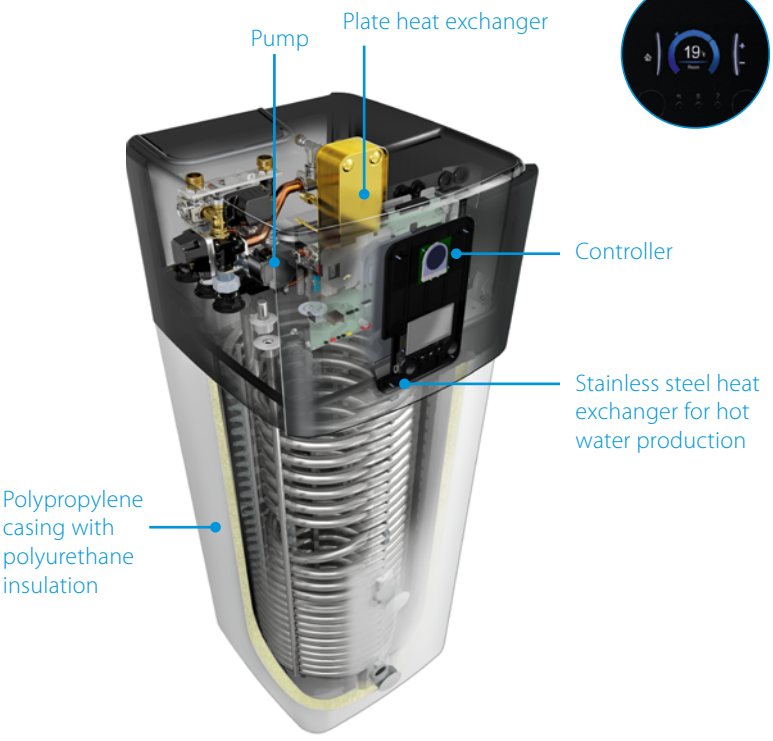
Innovative and high-quality tank

› Lightweight plastic tank
› No corrosion, anode, scale or lime deposits
› Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

› The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH$_2$O



Advanced user interface

The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

ECH$_2$O thermal store range: additional hot water comfort

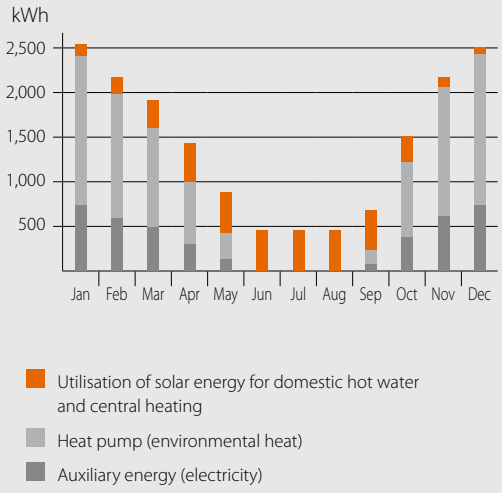
Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.
› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Pressureless (drain-back) solar system
EBSH-D, EBSX-D
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

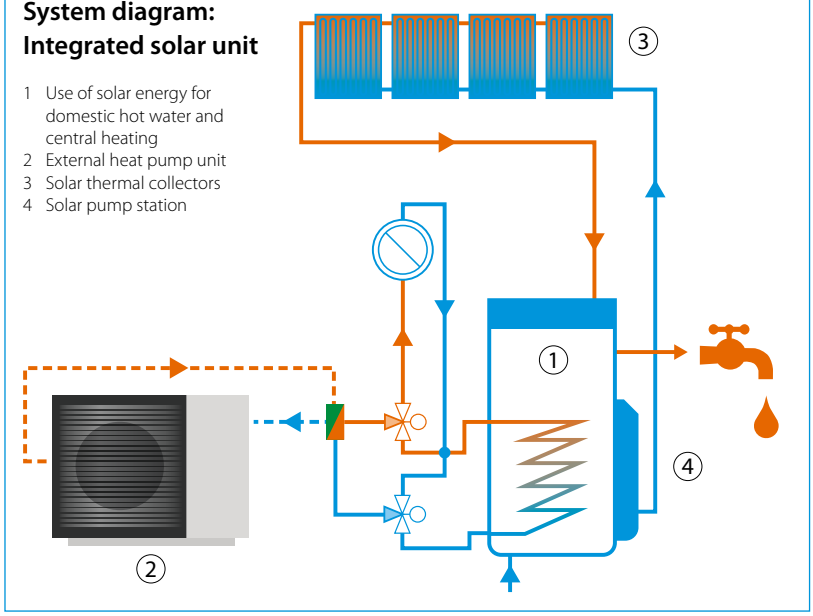
Pressurised solar system
EBSHB-D, EBSXB-D
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heat pump unit
3 Solar thermal collectors
4 Solar pump station

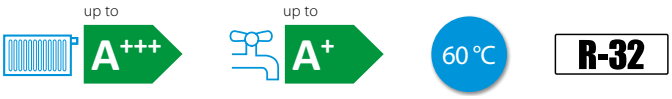


Daikin Altherma 3 R ECH$_2$O

Floor standing air-to-water heat pump for **heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Heat pump operation down to -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump





011-1W0493
011-1W0494

More details and final information can be found by scanning or clicking the QR codes.

EBSH-D ERLA11-14DV3 ERLA11-14DW1 ERLA-DV37 ERLA-DW17

Efficiency data				EBSH + ERLA	11P30D + 11DV/W	11P50D + 11D/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP		3.23		3.22		3.32	
			ηs (Seasonal space heating efficiency)	%	126				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.63		4.60		4.61	
			ηs (Seasonal space heating efficiency)	%	182		181			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10
		ηwh (water heating efficiency)		%	115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128
		Water heating energy efficiency class			A+					

Indoor Unit				EBSH	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817
Weight	Unit			kg	93	114	93	114	93	114
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.			dBA	44.70					
Sound pressure level	Nom.			dBA	36.80					

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35		
	Cooling		Min. ~ Max.	°CDB	10 ~ 43		
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO_2Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

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Daikin Altherma 3 R ECH$_2$O

Floor standing air-to-water heat pump for **bivalent heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- Heat pump operation down to -25°C



up to A+++ A+ 60 °C R-32

011-1W0493
011-1W0494

More details and final information can be found by scanning or clicking the QR codes.

EBSHB-D ERLA11-14DV3 ERLA11-14DW1 ERLA-DV37 ERLA-DW17

Efficiency data				EBSHB + ERLA	11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP		3.23		3.22		3.32	
			ηs (Seasonal space heating efficiency)	%	126				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.63		4.60		4.61	
			ηs (Seasonal space heating efficiency)	%	182		181			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10
		ηwh (water heating efficiency)		%	115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128
		Water heating energy efficiency class			A+					

Indoor Unit				EBSHB	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817
Weight	Unit			kg	94	117	94	117	94	117
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.			dBA	44.70					
Sound pressure level	Nom.			dBA	36.80					

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35		
	Cooling		Min. ~ Max.	°CDB	10 ~ 43		
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO$_2$Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH$_2$O

Floor standing air-to-water heat pump for **heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump



up to A+++ A+ 60 °C R-32

011-1W0493
011-1W0494

More details and final information can be found by scanning or clicking the QR codes.

EBSX-D ERLA11-14DV3 ERLA11-14DW1 ERLA-DV37 ERLA-DW17

Efficiency data				EBSX + ERLA	11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP		3.27		3.26		3.35	
			ηs (Seasonal space heating efficiency)	%	128				131	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.72		4.68			
			ηs (Seasonal space heating efficiency)	%	186		184			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10
		ηwh (water heating efficiency)		%	115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128
		Water heating energy efficiency class			A+					

Indoor Unit				EBSX	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817
Weight	Unit			kg	93	114	93	114	93	114
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Cooling	Ambient	Min. ~ Max.	°C	10 ~ 43					
		Water side	Min. ~ Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.			dBA	44.70					
Sound pressure level	Nom.			dBA	36.80					

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35		
	Cooling		Min. ~ Max.	°CDB	10 ~ 43		
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO_2Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

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Daikin Altherma 3 R ECH$_2$O

Floor standing air-to-water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- Heat pump operation down to -25°C





011-1W0493
011-1W0494

More details and final information can be found by scanning or clicking the QR codes.

EBSXB-D ERLA11-14DV3 ERLA11-14DW1 ERLA-DV37 ERLA-DW17

Efficiency data				EBSXB + ERLA	11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP		3.27		3.26		3.35	
			ηs (Seasonal space heating efficiency)	%	128				131	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.72		4.68			
			ηs (Seasonal space heating efficiency)	%	186		184			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10
		ηwh (water heating efficiency)		%	115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128
		Water heating energy efficiency class			A+					

Indoor Unit				EBSXB	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817
Weight	Unit			kg	94	117	94	117	94	117
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Cooling	Ambient	Min. ~ Max.	°C	10 ~ 43					
		Water side	Min. ~ Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	-25 ~ 35					
Sound power level	Nom.			dBA	44.70					
Sound pressure level	Nom.			dBA	36.80					

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35		
	Cooling		Min. ~ Max.	°CDB	10 ~ 43		
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO_2Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.



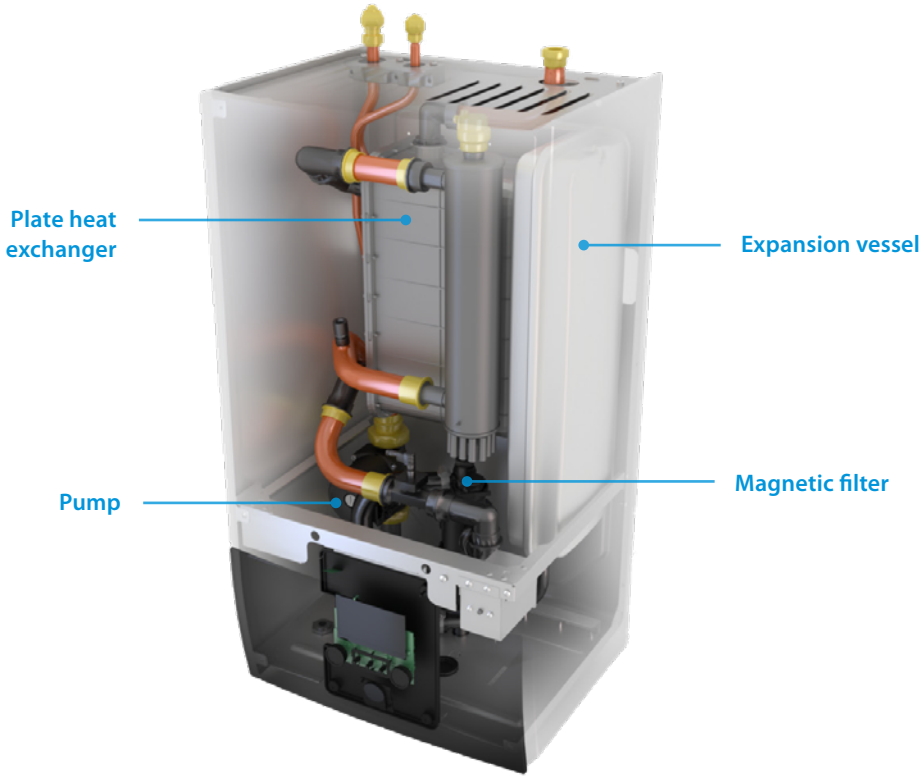
Daikin Altherma 3 R W Wall mounted unit

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel or ECH$_2$O thermal store



Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.



ECH$_2$O thermal store range: additional hot water comfort

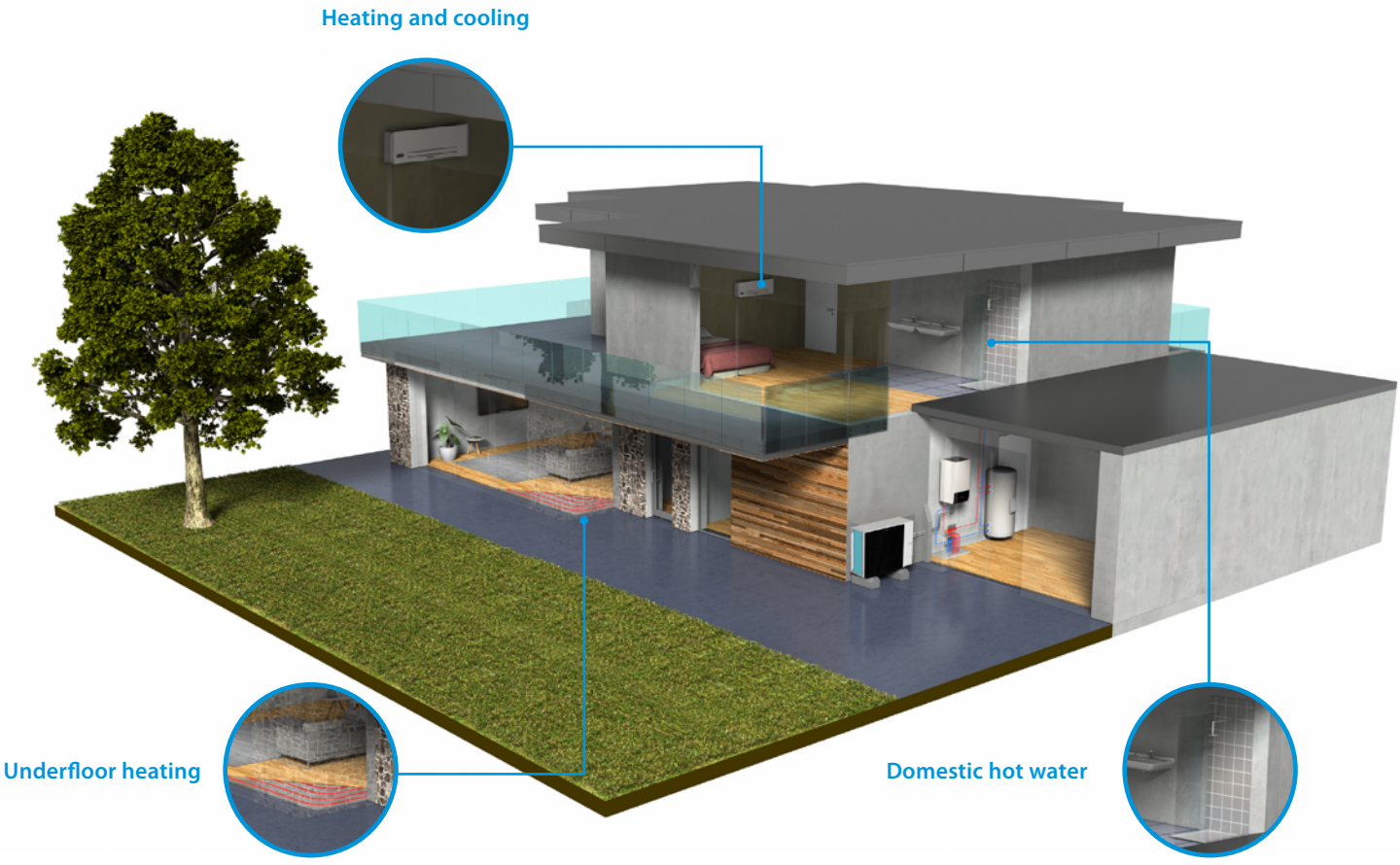
Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: with high tapping performance
- Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options

Flexibility in providing space heating

Daikin Altherma 3 R W is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

Example of installation with a stainless steel domestic hot water tank.



Daikin Altherma 3 R W

Wall mounted **heating only** air-to-water heat pump

Inclusion of all hydraulic components means no third party components are required

- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Heat pump operation down to -25°C



up to A+++ | 60 °C | R-32

011-1W0498
011-1W0499
011-1W0500

More details and final information can be found by scanning or clicking the QR codes.

EBBH-D6V | EBBH-D9W | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data				EBBH + ERLA	11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV7/W7	16D9W + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP		3.23		3.22		3.32	
			ηs (Seasonal space heating efficiency)	%	126				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.63		4.60		4.61	
			ηs (Seasonal space heating efficiency)	%	182		181			
			Seasonal space heating eff. class		A+++					

Indoor Unit				EBBH	11D6V	11D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390					
Weight	Unit			kg	52.50		54.50			
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17
Dimensions	Unit		HeightxWidthxDepth	mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35		
	Cooling		Min. ~ Max.	°CDB	10 ~ 43		
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO$_2$Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R W

Wall mounted **reversible** air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Heat pump operation down to -25°C



up to A+++ | 60 °C | R-32

011-1W0498
011-1W0499
011-1W0500

More details and final information can be found by scanning or clicking the QR codes.

EBBX-D6V | EBBX-D9W | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data				EBBX + ERLA	11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV7/W7	16D9W + 16DV7/W7
Space heating	Average climate water outlet 55°C	General	SCOP		3.27		3.26		3.35	
			ηs (Seasonal space heating efficiency)	%	128				131	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.72		4.68			
			ηs (Seasonal space heating efficiency)	%	186		184			
			Seasonal space heating eff. class		A+++					

Indoor Unit				EBBX	11D6V	11D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390					
Weight	Unit			kg	52.50		54.50			
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Cooling	Ambient	Min. ~ Max.	°C	10 ~ 43					
		Water side	Min. ~ Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	10 ~ 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV37/W17
Dimensions	Unit		HeightxWidthxDepth	mm	870x1,100x460		
Weight	Unit			kg	101		
Compressor	Quantity				1		
	Type				Hermetically sealed swing inverter compressor		
Operation range	Heating		Min. ~ Max.	°CDB	-25 ~ 35		
	Cooling		Min. ~ Max.	°CDB	10 ~ 43		
	Domestic hot water		Min. ~ Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.80		
	Charge			TCO$_2$Eq	2.57		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					62		
Sound pressure level (at 1 meter)	Nom.				48		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Combination table and options

Type	Description	Material name	Floor standing integrated stainless steel tank			
			H/O		Reversible	
			11 class	16 class	11 class	16 class
			EBVH11S18D6V	EBVH16S18D6V	EBVX11S18D6V	EBVX16S18D6V
			EBVH11S18D9W	EBVH16S18D9W	EBVX11S18D9W	EBVX16S18D9W
			EBVH11S23D6V	EBVH16S23D6V	EBVX11S23D6V	EBVX16S23D6V
			EBVH11S23D9W	EBVH16S23D9W	EBVX11S23D9W	EBVX16S23D9W
Outdoor unit	4kW	ERLA11DV3/W1	●		●	
	6kW	ERLA14DV3/W1		●		●
	8kW	ERLA16DV37/W17		●		●
Controls	Madoka wired room thermostat	BRC1HHDK/S/W	●	●	●	●
	Wireless room thermostats	EKRTR	●	●	●	●
	Wired digital thermostat	EKRTWA	●	●	●	●
	LAN adapter	BRP069A62 (with MMI from v6.8.0)	●	●	●	●
	WLAN module	BRP069A71	●	●	●	●
	WLAN cartridge	BRP069A78	●	●	●	●
	Wired digital thermostat	EKWCTRDI1V3	●	●	●	●
	Wired analog thermostat	EKWCTRAN1V3	●	●	●	●
	Valve actuator	EKWCVATR1V3	●	●	●	●
	Wired underfloor heating base station	EKWUFHTA1V3	●	●	●	●
	Universal centralised controller	EKCC8-W, DCOM-LT/IO, LT/MB	●	●	●	●
Domestic hot water	Stainless steel tank	EKHWS(P)(U)150D3V3				
		EKHWS(P)(U)180D3V3				
		EKHWS(P)(U)200D3V3				
		EKHWS(P)(U)250D3V3				
		EKHWS(P)(U)300D3V3				
	Polypropylene tank	EKHWP300B				
		EKHWP500B				
		EKHWP300PB				
		EKHWP500PB				
	Third party tank kit	EKHY3PART				
		EKHY3PART2				
Sensors	External sensor for EKRTR room thermostat	EKRTETS	● (5)	● (5)	● (5)	● (5)
	High voltage smart grid relay kit	EKRELSG	●	●	●	●
	Remote indoor temperature sensor	KRCS01-1	● (6)	● (6)	● (6)	● (6)
	Remote outdoor temperature sensor	EKRSCA1	● (6)	● (6)	● (6)	● (6)
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	●	●	●	●
	Generic Bizone kit	EKMIKPHA	●	●	●	●
Other options	Digital I/O PCB	EKRP1HBA	● (7)	● (7)	● (7)	● (7)
	Demand PCB	EKRP1AHT	●	●	●	●
	PC USB cable	EKPCCAB4	●	●	●	●
	Balancing valve	KBLNVALVE	●	●	●	●
	Decoupler	KDECOUP	●	●	●	●
ECH$_2$O options	Inline BUH - connection kit	EKECBUCO2AF				
	Inline BUH - 3kW, for *3V (1N ~, 230 V, 3 kW)	EKECBUAF3V				
	Inline BUH - 6kW, for *6V (1N ~, 230 V, 6 kW)	EKECBUAF6V				
	Inline BUH - 9kW, for *9WN (3N ~, 400 V, 9 kW)	EKECBUAF9W				
	Caleffi sludge and magnetite separator SAS1	156021				
	Biv Connector Kit	EKECBIVCO2AF				
	DB connector Kit	EKECDBCO2AF				

(1) Dedicated connection kit: EKEPRHLT3HX.
(2) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.
(3) EKHY3PART can be used if you have a tank in which you can insert the thermistor.
(4) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.
(5) Can only be used in combination with the wireless room thermostat EKRTR.

	Floor standing integrated ECH_2O				Wall mounted			
Bizone	Drain-back		Bivalent		H/O		Reversible	
16 class	11 class	16 class	11 class	16 class	11 class	16 class	11 class	16 class
EBVZ16S18D6V	EBSH11P30D	EBSH16P30D	EBSHB11P30D	EBSHB16P30D				
EBVZ16S18D9W	EBSH11P50D	EBSH11P50D	EBSHB11P50D	EBSHB16P50D				
EBVZ16S23D6V	EBSX11P30D	EBSX11P30D	EBSXB11P30D	EBSXB16P30D	EBBH11D6V	EBBH16D6V	EBBX11D6V	EBBX16D6V
EBVZ16S23D9W	EBSX11P50D	EBSX11P50D	EBSXB11P50D	EBSXB16P50D	EBBH11D9W	EBBH16D9W	EBBX11D9W	EBBX16D9W
●	●		●		●		●	
●		●		●		●		●
●		●		●		●		●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
					●	●	●	●
					●	●	●	●
					●	●	●	●
					●	●	●	●
					●	●	●	●
					● (1)	● (1)	● (1)	● (1)
					● (2)	● (2)	● (2)	● (2)
					● (1)	● (1)	● (1)	● (1)
					● (2)	● (2)	● (2)	● (2)
					● (3)	● (3)	● (3)	● (3)
					● (4)	● (4)	● (4)	● (4)
● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)	● (5)
●	●	●	●	●	●	●	●	●
● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)
● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)
	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●
● (7)					● (7)	● (7)	● (7)	● (7)
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
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●	●	●	●	●	●	●	●	●
	●	●	●	●				
	● (8)	● (8)	● (8)	● (8)				
	● (8)	● (8)	● (8)	● (8)				
	● (8)	● (8)	● (8)	● (8)				
	●	●	●	●				
			●	●				
	●	●						

(6) Only one sensor can be connected: indoor or outdoor.
(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.



Daikin Altherma 3 M (4-6-8 kW)

The monobloc standard

Functional design

Daikin Altherma 3 M is the Daikin's first third generation monobloc, benefiting from a new design and using the R-32 refrigerant, also now available in 4, 6 and 8 kW.

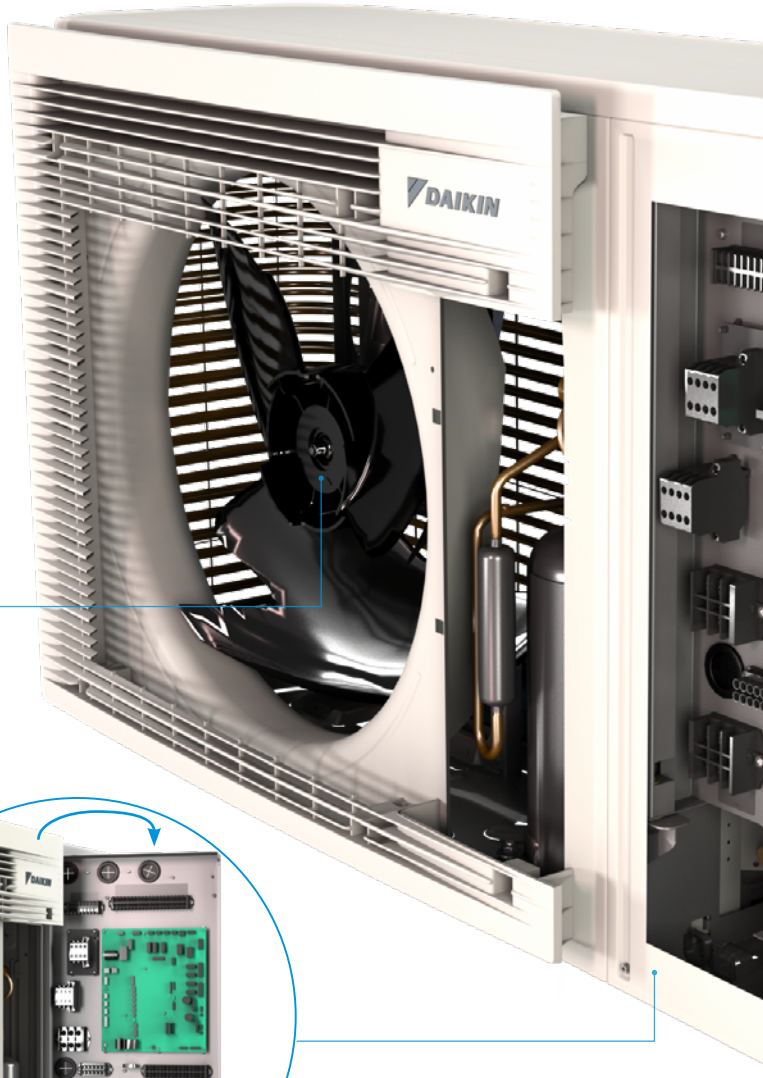
A redesigned casing

The white front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey and seamless casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.

A renewed fan shape

The shape of the fan has been reviewed to reduce the contact surface with air and improve the air circulation.

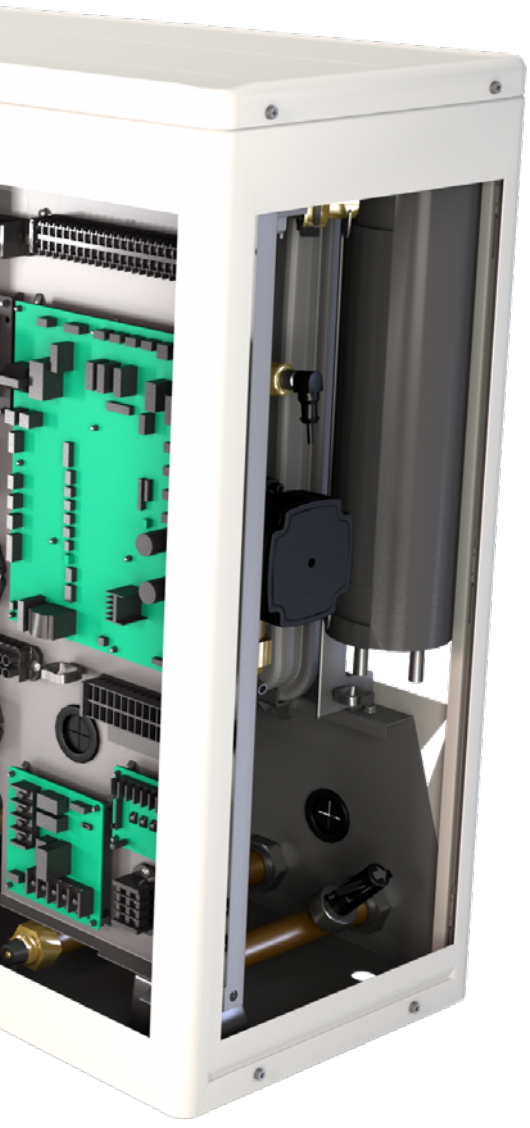


Help installers and commissioning

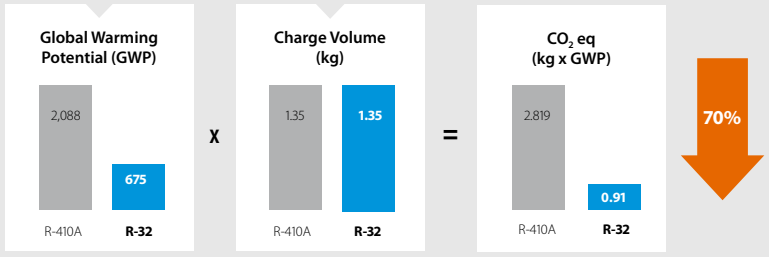
- The rotary switchbox is a brand-new feature in this monobloc heat pump.
- It helps installers accessing the hydraulic and refrigerant components of the unit in an easy way.
- The service and commissioning can be then performed with ease.







Reduced environmental impact: 70% less CO_2 equivalent
› GWP: R-410A: 2,088 > R-32: 675



R-32 monobloc

R-32 BLUEVOLUTION

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.

A simple solution to space limitation

Thanks to the monobloc set-up, no indoor unit is required which helps when space is limited inside. The monobloc can even fit under a window!

The monobloc also gets its power from inside: all hydraulic components are integrated in one unit, including the sealed refrigerant circuit: no need for refrigerant handling or F-gas qualifications

Fully connected control

The Daikin Altherma 3 M is equipped with the most intuitive control solutions.



Heating and cooling emitters

Daikin Altherma 3 M works perfectly with various emitters, including fan coils, underfloor heating and heat pump convectors.







Cloud ready with WLAN



reddot award 2018
winner

DESIGN AWARD 2018

Onecta app, with voice control

- Control the heating system from home or remote via smartphone
- Control the heating system with the voice
- Include integrations with Google Assistant and Amazon Alexa
- Featuring other functions: scheduling and holiday mode, control multiple units and boosting mode, monitoring energy consumption…

Madoka: a user-friendly wired room thermostat

- Sleek and elegant design
- Intuitive touch button control
- Three colours to match any interior (white, black and silver-grey)
- Compact unit measuring only 85 x 85 mm

Domestic hot water production

The monobloc combines with stainless steel tanks (EKHWS(P)-D), thermal stores and panels (EKHWP) to provide domestic hot water quickly.





☑ Man-Machine Interface (MMI) NEW

Inspired by the award-winning design of the Daikin Altherma 3 indoor units, Daikin also upgraded this controller to deliver an even more user-friendly interface.

Quick configuration
After logging in, you'll be able to configure the unit with the new controller in less than 10 steps. You can even check if the unit is ready to use by running test cycles.

Easy operation
The new interface features a few buttons and 2 navigational knobs to help you quickly set the room temperature and control units.

User-friendly design
The interface features an intuitive design. The high contrasted colour screen delivers stunning and practical visuals for both installers and service engineers.

WLAN cartridge connection

Small dimensions for a discreet unit:
136 x 160 x 37 mm (HxWxD)

Consistent compactness

Daikin Altherma 3 M is the most compact heat pump solution, as it only consists of one outdoor unit only. This is therefore ideal for limited space.

Strengthened performances

The Daikin Altherma 3 M shows improved performances as well as a wide product range

› Space heating up to A+++
› Domestic hot water up to A+
› Operating down to -25°C
› Delivers LWT 55°C at -15°C without back-up heater
› Suitable for small new buildings, or system replacement

Extended product range

› Heating only models (EDLA*)
› Reversible models providing cooling (EBLA*)
› One-phase models only
› Back-up heater less models (EB/DLA-EV3)
› Plug & play integrated back-up heater models (EB/DLA-E3V3)
› Available in 4, 6 and 8 kW
› Completing the existing range of 9, 11, 14 and 16 kW

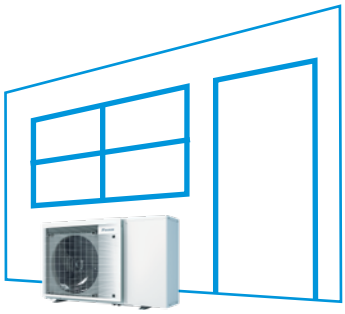
Flexibility in domestic hot water production

› Combination with stainless steel domestic hot water tank (EKHWS(P)(U)-D)
› Combination with ECH$_2$O thermal store EKHWP-(P)B to provide domestic hot water with support from the sun

Perfect match with any heat emitters

› Combination with underfloor heating applications
› Combination with heat pump convectors Daikin Altherma HPC

Fits under a window





DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 M

Air-to-water monobloc system that provides **heating**, **domestic hot water** and **optionally cooling**. Ideal for limited installation space.

› WLAN cartridge connection standard included
› Possible to combine with domestic hot water tanks
› Heating only or reversible models available
› Monobloc all-in-one concept including all hydraulic parts
› Optional plug & play integrated 3 kW electric back-up heater
› Available in one phase



EDLA04-08E(3)V3



BRC1HHDK

up to A+++

up to* A+

65 °C

R-32

More details and final information can be found by scanning or clicking the QR codes.

EBLA04-08EV3 EBLA04-08E3V3 EDLA04-08EV3 EDLA04-08E3V3

Single Unit					EDLA04E(3)V3	EBLA04E(3)V3	EDLA06E(3)V3	EBLA06E(3)V3	EDLA08E(3)V3	EBLA08E(3)V3
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.90 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.		kW	0.84 (1) / 1.26 (2)	0.84 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)	1.63 (1) / 2.23 (2)
COP					5.10 (1) / 3.65 (2)	5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Cooling capacity	Nom.			kW	-	4.86 (1) / 4.52 (2)	-	5.83 (1) / 5.09 (2)	-	6.18 (1) / 5.44 (2)
Power input	Heating	Nom.		kW	-	0.82 (1) / 1.36 (2)	-	1.08 (1) / 1.55 (2)	-	1.19 (1) / 1.73 (2)
EER					-	5.91 (1) / 3.32 (2)	-	5.40 (1) / 3.28 (2)	-	5.19 (1) / 3.14 (2)
Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)		127	129	127	128	130	131
			SCOP		3.26	3.29	3.26	3.28	3.32	3.35
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)		176	179	176	178	179	181
			SCOP		4.48	4.54	4.47	5.52	4.56	4.61
			Seasonal space heating eff. class		A+++					
Casing	Colour				Ivory white					
	Material				Zinc coated low carbon steel					
Dimensions	Unit	HeightxWidthxDepth		mm	770x1,250x362					
Weight	Unit			kg	EV3: 88, E3V3: 91					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating	Ambient	Min.~Max.	°CWB	-25 ~ 25	-25 ~ 35	-25 ~ 25	-25 ~ 35	-25 ~ 25	-25 ~ 35
		Water side	Min.~Max.	°C	EV3: 9 ~ 65 / E3V3: 15 ~ 65					
	Cooling	Ambient	Min.~Max.	°CDB	-	10 ~ 43	-	10 ~ 43	-	10 ~ 43
		Water side	Min.~Max.	°C	-	5 ~ 22	-	5 ~ 22	-	5 ~ 22
	Domestic hot water	Ambient	Min.~Max.	°CDB	-27 ~ 35					
		Water side	Min.~Max.	°C	25 ~ 55					
Refrigerant	Type				R-32					
	GWP				675					
	Charge			kg	1.85					
	Charge			TCO2Eq	0.91					
	Control				Expansion valve					
Sound power level	Heating	Nom.		dBA	58		60		62	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230					
Current	Recommended fuses			A	20				25	

(1) Cooling Ta 35°C - LWE 18°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) (2) Cooling Ta 35°C - LWE 7°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 55°C (DT=5°C).
This product contains fluorinated greenhouse gases.

*Domestic hot water in combinations with stainless steel tank EKHWS(P)(U)-D and ECH2O thermal store EKHWP-(P)B.



Daikin Altherma 3 M (11-14-16 kW)

The power pact

The Daikin Altherma 3 M is the Daikin's first third generation monobloc, benefiting from a new design and using the R-32 refrigerant.

Compact improved design

A redesigned casing

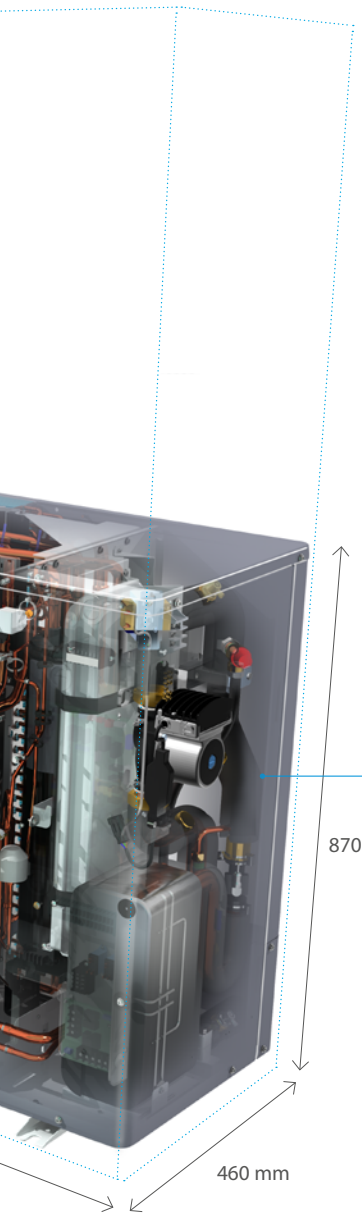
The black front grill made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.



A single fan for high capacity units

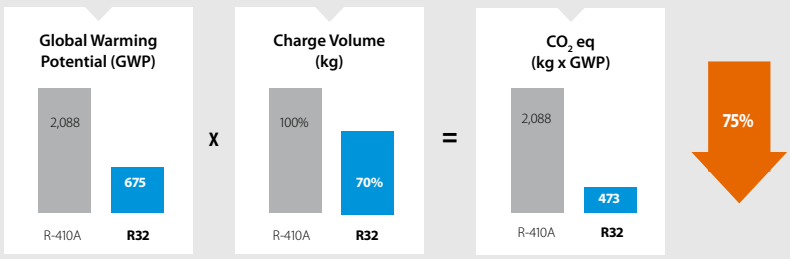
The single fan is slighlty larger, replacing the usual double fan for high capacity units. The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.



R-32 monobloc

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.

Reduced environmental impact: CO_2eq > 75% reduction
- GWP: R410A: 2,088 > R32: 675
- 30% less refrigerant charge needed



R-32 BLUEVOLUTION

A simple solution to space limitation

Thanks to the monobloc set-up, no indoor unit is required which helps when space is limited inside. The monobloc can even fit under a window!



Fully connected

The Daikin Altherma 3 M also finds its power in Daikin Altherma total solution, including controls, heat collectors and heat emitters.



Onecta App, with voice control

- Control the heating system from home or remote via smartphone
- Control the heating system with the voice
- Include integrations with Google Assistant and Amazon Alexa
- Featuring other functions: scheduling and holiday mode, control multiple units and boosting mode, monitoring energy consumption…

Cloud ready with WLAN option





Madoka, user-friendly wired room thermostat

- Sleek and elegant design
- Intuitive touch-button control
- Three colours to match any interior (white, black and silve
- Compact, measures only 85 x 85 mm

DESIGN AWARD 2018

reddot award 2018 winner

Heatinc

As a mid-temperature heat pump, the Daikin Altherma 3 M fits perfectly with any type of emitters such as fan coils, underfloor heating or heat pumps convectors.



NEW

Man-machine interface



Inspired from the design awarded Daikin Altherma third generation interface of indoor units, this new controller gathers all benefits:

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of the system. Blue is perfect! Should the eye turn red, an error has occured.

Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

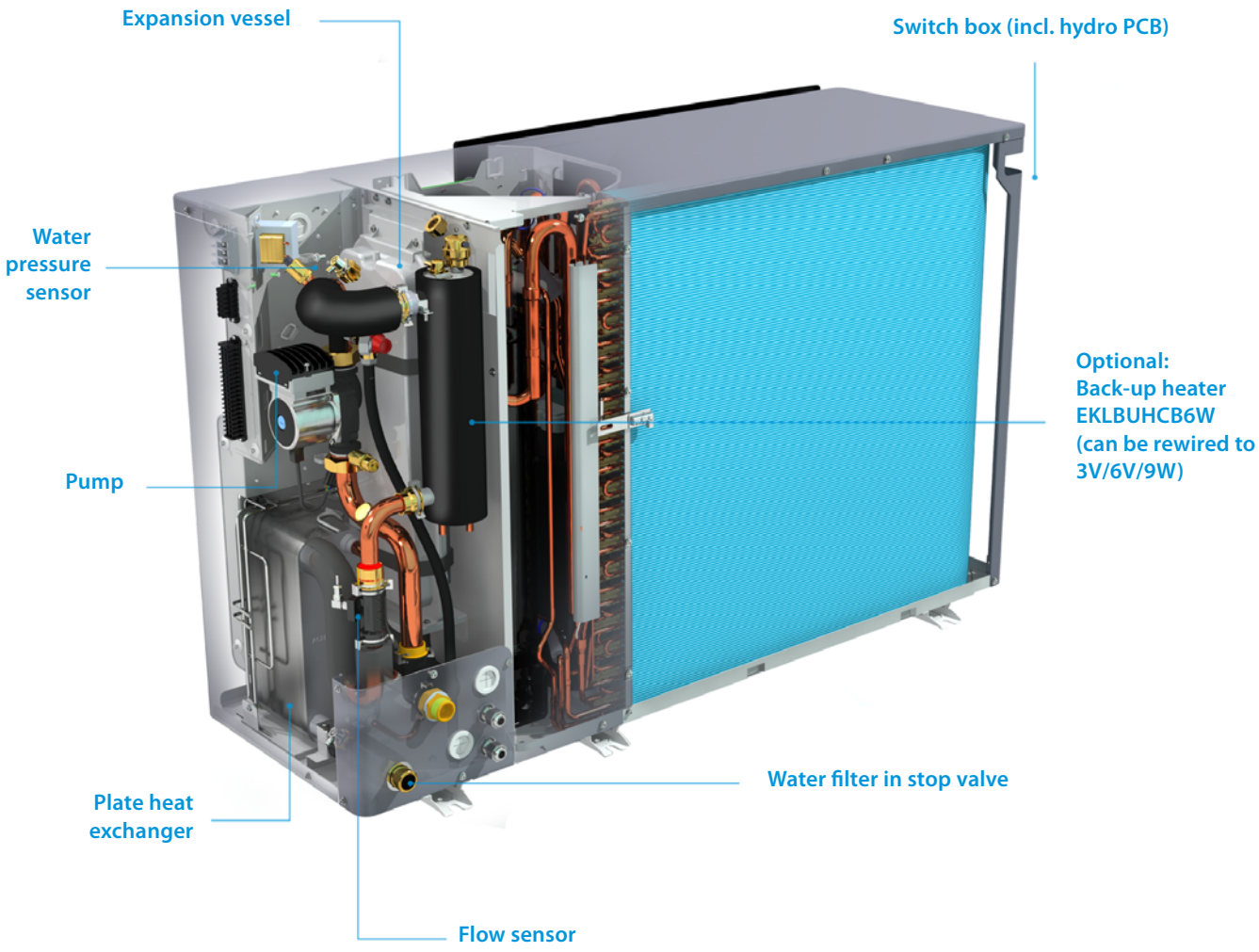
- WLAN cartridge connection
- Discreet thanks to small dimensions
  H x W x D 136 x 160 x 37 mm

Domestic hot water production

The Daikin Altherma 3 M monobloc combines with stainless steel tanks (EKHWS(P)-D) and thermal stores and panels (EKHWP) to provide efficient domestic hot water.

Straight forward installation & maintenance

The Daikin Altherma 3 M also gets its power from inside by including all hydraulic components into one single unit.



Comfort and premium performance

The Daikin Altherma 3 M shows improved performances as well as a wide product range.

Extended product range

› Heating only models (EDLA*)
› Reversible models providing cooling (EBLA*)
› One-phase models (EB/DLA-DV*)
› Three-phase models (EB/DLA-DW*)
› Back-up heater models (EB/DLA-D3V/D3W)
› Back-up heater less models (EB/DLA-D/DW)
› All available in 9, 11, 14 and 16 kW

Improved performances

› Up to A+++
› Operation down to -25°C outside temperature
› Guaranteed heating capacities down to -20°C
› Delivers LWT 60°C at -7°C
› Suitable for renovations, replacement, and large new buildings

Flexibility in domestic hot water production

› Combination with stainless steel domestic hot water tank (EKHWS(P)(U)-D)
› Combination with ECH_2O thermal store to provide domestic hot water with support from the sun

Perfect match with any heat emitters

› Combination with underfloor heating applications
› Combination with heat pump convectors Daikin Altherma HPC



DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 M

Heating only air to water monobloc system, ideal when indoor space is limited

- W-LAN cartridge connection (optional)
- Possible to combine with domestic hot water tanks
- Heating only air-to-water heat pump
- Monobloc all-in-one concept including all hydraulic parts
- Available with Built-in 3 kW electric back-up heater for additional heating or with a separate back-up heater kit
- Available in one phase and three phase



up to A+++ | 60 °C | R-32

011-1W0423 → 426

More details and final information can be found by scanning or clicking the QR codes.

EDLA09-14DV3 | EDLA09-14D3V3 | EDLA09-14DW1 | EDLA09-14D3W1

EDLA-DV37 | EDLA-DW17 | EDLA-D3V37 | EDLA-D3W17

Single Unit				EDLA	09D(3)V3/D(3)W1	11D(3)V3/D(3)W1	14D(3)V3/D(3)W1	16D(3)V3/D(3)W1
Heating capacity	Nom.			kW	9.37 (1) / 9.00 (2)	10.6 (1) / 9.82 (2)	12.0 (1) / 12.5 (2)	16.0 (1) / 16.0 (2)
Power input	Heating	Nom.		kW	1.91 (1) / 2.43 (2)	2.18 (1) / 2.68 (2)	2.46 (1) / 3.42 (2)	3.53 (1) / 4.56 (2)
COP					4.91 (1) / 3.71 (2)	4.83 (1) / 3.66 (2)	4.87 (1) / 3.64 (2)	4.53 (1) / 3.51 (2)
Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)		133	130	132	130
			SCOP		3.39	3.32	3.37	3.33
			Seasonal space heating eff. class		A++			
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)		186	182		
			SCOP		4.72	4.64	4.62	
			Seasonal space heating eff. class		A+++			
Casing	Colour				Silver			
	Material				Polyester painted galvanised steel plate			
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,380x460			
Weight	Unit			kg	DV3/DW1: 147, D3V3/D3W1: 149			
Compressor	Quantity				1			
	Type				Hermetically sealed swing compressor			
Operation range	Heating	Ambient	Min. ~ Max.	°CWB	DV3/DW1: -25 ~ 25, D3V3/D3W1: -25 ~ 35			
		Water side	Min. ~ Max.	°C	DV3/DW1: 9 ~ 60, D3V3/D3W1: 15 ~ 60			
	Domestic hot water	Ambient	Min. ~ Max.	°CDB	-25 ~ 35			
		Water side	Min. ~ Max.	°C	25 ~ 55			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg	3.80			
	Charge			TCO_2Eq	2.57			
	Control				Expansion valve			
Sound power level (3)	Heating	Nom.		dBA	62			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 - W1/3 ~ /50/400			
Current	Recommended fuses			A	32 / 16			

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) According to EN14825
This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 M

Reversible air to water monobloc system, ideal when indoor space is limited

- W-LAN cartridge connection (optional)
- Possible to combine with domestic hot water tanks
- Heating and cooling air-to-water heat pump
- Monobloc all-in-one concept including all hydraulic parts
- Available with Built-in 3 kW electric back-up heater for additional heating or with a separate back-up heater kit
- Available in one phase and three phase



BRC1HHDW



EDLA09-16DV3/DW1

up to A+++

60 °C

R-32

011-1W0423 → 426

More details and final information can be found by scanning or clicking the QR codes.

EBLA09-14DV3 | EBLA09-14D3V3 | EBLA09-14DW1 | EBLA09-14D3W1

EBLA-DV37 | EBLA-DW17 | EBLA-D3V37 | EBLA-D3W17

Single Unit				EBLA	09D(3)V3/D(3)W1	11D(3)V3/D(3)W1	14D(3)V3/D(3)W1	16D(3)V3(7)/D(3)W1(7)
Heating capacity	Nom.			kW	9.37 (1) / 9.00 (2)	10.6 (1) / 9.82 (2)	12.0 (1) / 12.5 (2)	16.0 (1) / 16.0 (2)
Power input	Heating	Nom.		kW	1.91 (1) / 2.43 (2)	2.18 (1) / 2.68 (2)	2.46 (1) / 3.42 (2)	3.53 (1) / 4.56 (2)
COP					4.91 (1) / 3.71 (2)	4.83 (1) / 3.66 (2)	4.87 (1) / 3.64 (2)	4.53 (1) / 3.51 (2)
Cooling capacity	Nom.			kW	9.35 (3) / 9.10 (4)	11.6 (3) / 11.5 (4)	12.8 (3) / 12.7 (4)	14.0 (3) / 15.3 (4)
Power input	Cooling	Nom.		kW	2.79 (3) / 1.71 (4)	3.56 (3) / 2.17 (4)	4.06 (3) / 2.51 (4)	4.58 (3) / 3.24 (4)
EER					3.35 (3) / 5.34 (4)	3.26 (3) / 5.31 (4)	3.16 (3) / 5.04 (4)	3.06 (3) / 4.74 (4)
SEER					5.62 (5)	5.79 (5)	5.71 (5)	5.59 (5)
Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)		135	132	134	132
			SCOP		3.44	3.37	3.42	3.37
			Seasonal space heating eff. class		A++			
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)		190	186	185	
			SCOP		4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++			
Casing	Colour				Silver			
	Material				Polyester painted galvanised steel plate			
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,380x460			
Weight	Unit			kg	DV3/DW1: 147, D3V3/D3W1: 149			
Compressor	Quantity				1			
	Type				Hermetically sealed swing compressor			
Operation range	Heating	Ambient	Min. ~ Max.	°CWB	DV3(7)/DW1(7): -25 ~ 25, D3V3(7)/D3W1(7): -25 ~ 35			
		Water side	Min. ~ Max.	°C	DV3(7)/DW1(7): 9 ~ 60, D3V3(7)/D3W1(7): 15 ~ 60			
	Cooling	Ambient	Min. ~ Max.	°CDB	10 ~ 43			
		Water side	Min. ~ Max.	°C	5 ~ 22			
	Domestic hot water	Ambient	Min. ~ Max.	°CDB	-25 ~ 35			
		Water side	Min. ~ Max.	°C	25 ~ 55			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg	3.80			
	Charge			TCO_2Eq	2.57			
	Control				Expansion valve			
Sound power level (5)	Heating	Nom.		dBA	62			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1 ~ /50/230 - W1/3 ~ /50/400			
Current	Recommended fuses			A	32 / 16			

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (4) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (5) According to EN14825. This product contains fluorinated greenhouse gases.

Combination table and options

			R-32 small monobloc (4-6-8 kW)			
			Without back-up heater		With back-up heater	
			Rev	H/O	Rev	H/O
			EBLA04EV3	EDLA04EV3	EBLA04E3V3	EDLA04E3V3
			EBLA06EV3	EDLA06EV3	EBLA06E3V3	EDLA06E3V3
			EBLA08EV3	EDLA08EV3	EBLA08E3V3	EDLA08E3V3
Type	**Description**	**Material name**				
Controls	Madoka wired room thermostat	BRC1HHDAK/S/W	●	●	●	●
	Wired digitial thermostat	EKRTWA	●	●	●	●
	LAN Adapter	BRP069A62 (with MMI from v6.8.0)	●	●	●	●
	WLAN cartridge	BRP069A78	●	●	●	●
	Universal centralised controller for cascade	EKCC8-W DCOM-LT/IO,-LT/MB	●	●	●	●
Multi-zoning controls	Digital wired room thermostat	EKWCTRDI1V3	●	●	●	●
	Analog wired room thermostat	EKWCTRAN1V3	●	●	●	●
	Actuator	EKWCVATR1V3	●	●	●	●
	Multi-zoning base station (10 channels)	EKWUFHTA1V3	●	●	●	●
Sensors	Remote indoor temperature sensor	KRCS01-1	● (1)	● (1)	● (1)	● (1)
	Remote outdoor temperature sensor	EKRSCA1	● (1)	● (1)	● (1)	● (1)
	Temperature sensor for EKHWS(P)-D	EKTESE1	●	●	●	●
	Temperature sensor for EKHWP-(P)B	EKTESE2	●	●	●	●
Domestic hot water	DHW tank	EKHWS(P)(U)-D(3)V3	●	●	●	●
	Thermal stores	EKHWP500(P)B	●	●	●	●
	Third party tank kit	EKHY3PART	● (2)	● (2)	● (2)	● (2)
	Third party tank kit	EKHY3PART2	● (3)	● (3)	● (3)	● (3)
Heat pump convector	Floor standing	FWXV15/20/25*	● (4)	● (4)	● (4)	● (4)
	Wall mounted	FWXT15/20/25*	● (4)	● (4)	● (4)	● (4)
	Concealed	FWXM15/20/25*	● (4)	● (4)	● (4)	● (4)
Other options	Back-up heater kit	EKLBUHCB6W	● (5)	●		
	By-pass kit	EKMBHBP1	● (5)			
	Generic Bizone kit (PCB only)	EKMIKPOA	●	●	●	●
	Generic Bizone kit	EKMIKPHA	●	●	●	●
	Digital I/O PCB	EKRP1HBAA	● (6)	● (6)	● (6)	● (6)
	Demand PCB	EKRP1AHTA	●	●	●	●
	Anti-freeze valve with diam. 1	AFVALVE1	●	●	●	●
	Anti-freeze valve with diam. 1 1/4"	AFVALVE125	●	●	●	●
	Balancing valve	KBLNVALVE				
	Decoupler	KDECOUP				
	PC USB cable	EKPCCAB4	●	●	●	●
	Smart grid relay kit (high voltage)	EKRELSG	●	●	●	●
	Flow switch	EKFLSW1				
	Flow switch	EKEFLSW2	● (7)	● (7)	● (7)	● (7)

(1) Only 1 sensor can be connected: indoor OR outdoor sensor.

(2) EKHY3PART can be used if you have a tank in which you can insert a thermistor.

(3) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

(4) Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).

(5) Check 'EKMBHBP1 necessity drawing' to decide to install it in combinztion with reversible models, in order to avoid sweat on the back-up heater.

(6) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

(7) Mandatory if glycol is used.

	R-32 large monobloc (9-11-14-16 kW)			
	Without back-up heater		With back-up heater	
	Rev	H/O	Rev	H/O
	EBLA09DV3/W1	EDLA09DV3/W1	EBLA09D3V3/W1	EDLA09D3V3/W1
	EBLA11DV3/W1	EDLA11DV3/W1	EBLA11D3V3/W1	EDLA11D3V3/W1
	EBLA14DV3/W1	EDLA14DV3/W1	EBLA14D3V3/W1	EDLA14D3V3/W1
	EBLA16DV37/W17	EDLA16DV37/W17	EBLA16D3V37/W17	EDLA16D3V37/W17
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	● (1)	● (1)	● (1)	● (1)
	● (1)	● (1)	● (1)	● (1)
	●	●	●	●
	●	●	●	●
	● (2)	● (2)	● (2)	● (2)
	● (3)	● (3)	● (3)	● (3)
	● (4)	● (4)	● (4)	● (4)
	● (4)	● (4)	● (4)	● (4)
	● (4)	● (4)	● (4)	● (4)
	● (5)	●		
	● (5)			
	●	●	●	●
	●	●	●	●
	● (6)	● (6)	● (6)	● (6)
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	● (7)	● (7)	● (7)	● (7)

The ideal boiler replacement
gets extended

Ideal to replace gas boilers

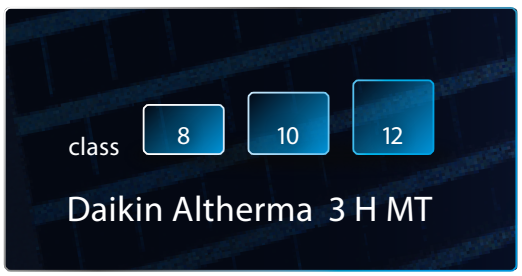
Houses built in the 90s often need a refurbishment to still look up-to-date.

In a renovation project, this is also important to consider changing your initial heating system.

Daikin Altherma 3 H MT comes as a perfect replacement in such houses, where a leaving water temperature of 65 °C is sufficient. Easy to install, you can even leave the recent radiators installed!

Suitable for medium sized new buildings

With a capacity range going from 8 to 12 class, Daikin Altherma 3 H MT also fits in medium sized new buildings.







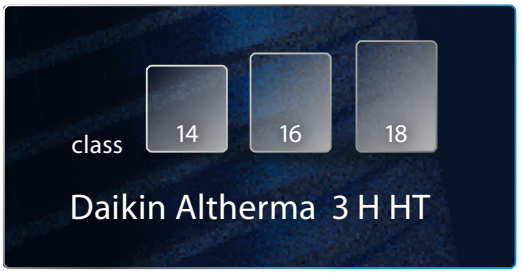
Ideal to replace oil boilers

Daikin Altherma 3 H HT is a high temperature heat pump, able to deliver a leaving water temperature of 70 °C. Thanks to this operation range, the unit can replace oil boilers in older houses.

Traditional radiators can also stay in place, but more recent radiators could be a good option in order to make further energy savings.

Suitable for large new buildings

With a capacity range going from 14 to 18 class, Daikin Altherma 3 H HT can answer the needs of large new buildings.



The Quintessence of heat pump

meeting modern society's expectations



Made in Europe, for Europe

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 H MT & HT.

Heating capacities are also maintained high by low ambient temperature thanks to genuine Daikin technology.

As the market leader, Daikin is always striving to make the most reliable and efficient heat pumps possible. Daikin developed the Bluevolution technology to achieve higher and greener performance. This technology is now part of all new products. The Daikin Altherma 3 H HT was the first Daikin outdoor unit with a distinctive design. Its single fan reduces the noise level and its black front grille makes the unit fit into any environment.

All these dedicated components were developed in-house to make the quintessence of heat pump unique.

Superior performance, renewable energy use, design and acoustic comfort. This is what the Quintessence of heat pump is all about.

BLUEVOLUTION

The Bluevolution technology combines a specifically developed compressor and the R-32 refrigerant. Daikin is one of the pioneers in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions.

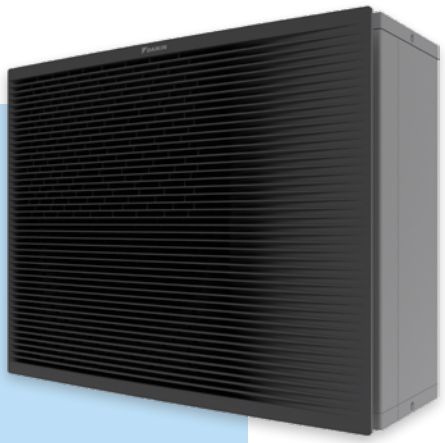
Easy to recover and re-use, R-32 is the perfect solution to attain the new European CO_2 emission targets.

R-32

Timeless design and space-saving installation

Aside from the acoustic comfort, design is a decisive point nowadays. Specific attention was paid to making the outdoor unit blend in with your home.

The black front grille stretches horizontally making the fan inside invisible. The mat grey casing reflects the colour of the wall behind for more discretion. This unit received the IF and reddot design awards 2019.



Witness a timeless design



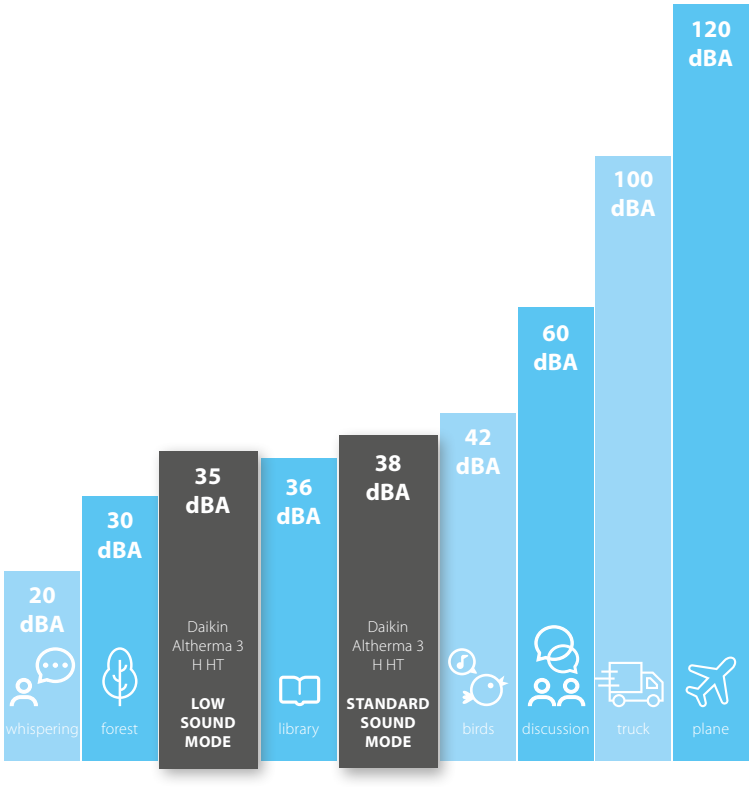


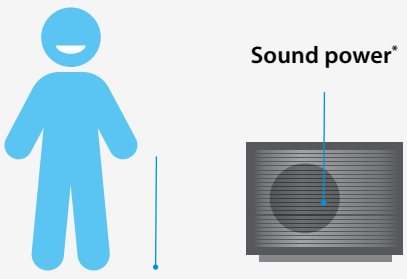
Silence rhymes with comfort

The Quintessence of heat pump has been designed to reduce its acoustic level and meet the expectations of today's society.

In standard sound mode, the unit produces a sound pressure of 38 dBA at 3 metres, so somewhere between birds chirping and the inside of a library.

The unit also offers greater flexibility by having a low sound mode that reduces the sound pressure at 3 metres to 35 dBA, representing a real reduction of half the sound level!





The acoustic level can be evaluated in two ways

› The **sound power** is generated by the unit itself, independently of distance and environment
› The **sound pressure** is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.

Listen to the silence of our outdoor unit

* Erp sound power:
Daikin Altherma 3 H MT = 53 dBA
Daikin Altherma 3 H HT = 54 dBA

Innovation at the heart of our concerns

The Daikin Altherma 3 H MT & HT are at top of low sound and heating performances thanks to dedicated developments. Several major components are designed to make this product reach the excellence such as a double injection compressor and a single fan even for large capacity units as well as a brand-new casing.

A redesigned casing

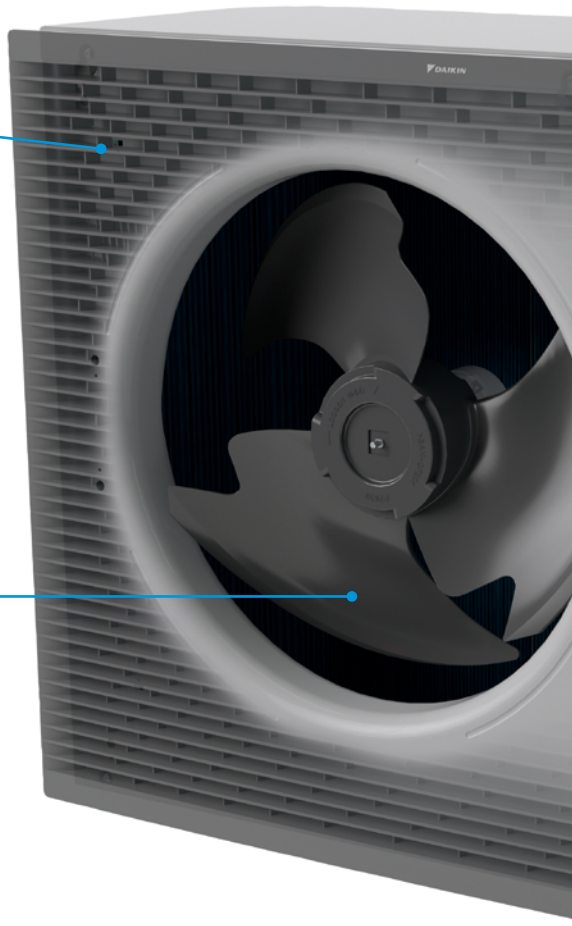
The black front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is sligthly reflecting the environment where the unit is installed, helping it to blend in in any decor.

This unique design already got design awards.

DESIGN AWARD 2019

reddot design award winner 2019



A single fan for all capacities

The single fan is slighlty larger, replacing the usual double fan for high capacity units (classes 8-10-12-14-16-18).

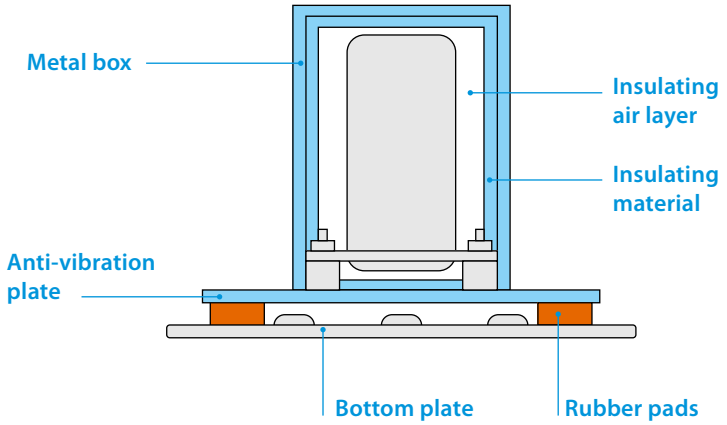
The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.

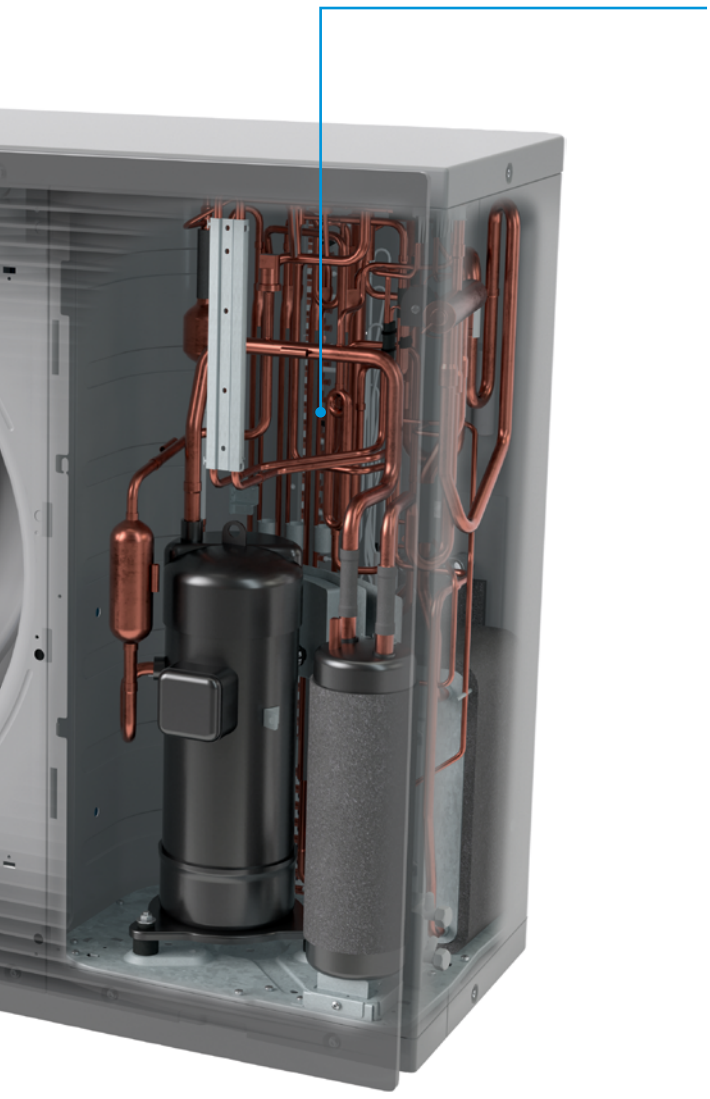
Compressor insulation and anti-vibration

To reduce the compressor sound power, several actions were taken in terms of absorption and insulation.

First, the compressor is surrounded by a 3-layer insulation made of air, insulation material and a metal box.

Regarding the absorption, the unit benefits from a double sound reduction by using rubber pads between the bottom plate and the vibration plate under the compressor.





New double injection compressor

To make this product unique, Daikin Europe cooperated with Daikin Japan to develop top notch components. The Daikin Altherma 3 H HT compressor is able to deliver a high leaving water temperature of 70 °C on its own, while the Daikin Altherma 3 H MT available in classes 8-10-12 delivers up to 65 °C leaving water temperature.

Impressive performance

With these new developments, the Daikin Altherma 3 H MT & HT reach the best performances illustrated in the energy labels:



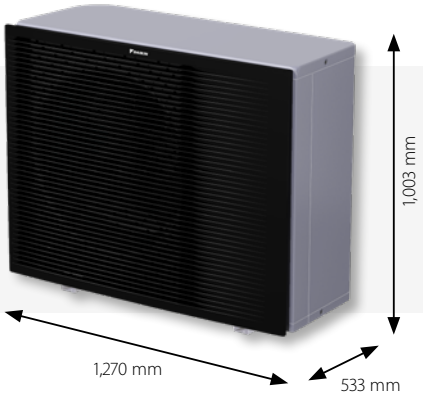
Feel a true performance

One solution, multiple combinations

The Quintessence range can be combined with three different indoor units to connect to the outdoor unit, offering specific features to ensure heating, cooling and domestic hot water in your home.

Outdoor unit

The outdoor unit is available in 6 classes 8-10-12-14-16-18 kW.



Integrated DHW stainless steel tank model

This model is a compact unit with a small footprint of 595 x 625 mm. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.



Integrated ECH$_2$O DHW tank model

The ECH$_2$O unit is equipped with a thermal DHW tank of 300 or 500 L that can be connected to thermal solar panels.



Wall mounted model

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water.



See exact dimensions per model in the specification tables (p22-29).

Get the best comfort

with the best functionalities

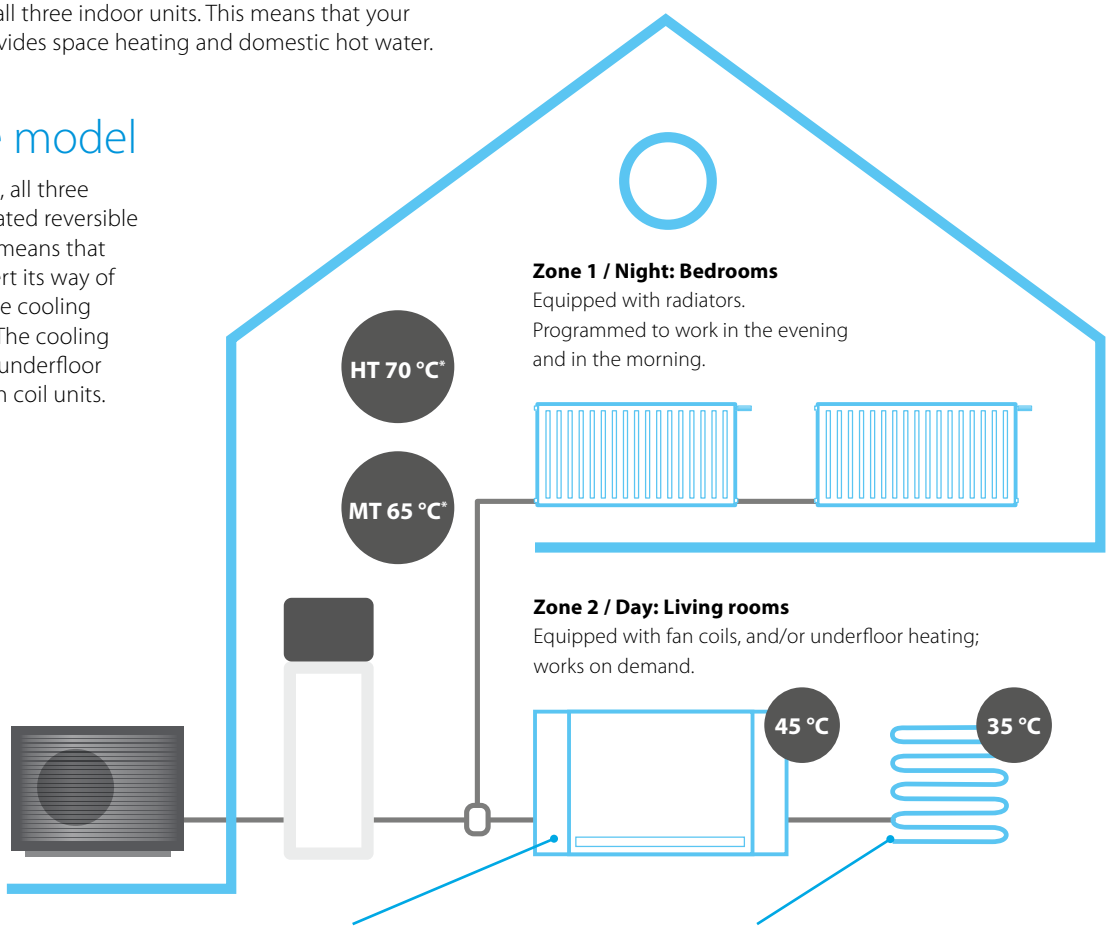
Choose from the Daikin "Three Pluses" the functionality that best fits your customer's needs. The indoor units come in 3 possible versions: heating only, reversible and bizone, giving you the opportunity to tailor your Daikin heating system.

Heating only model

The heating only model is standard in the Daikin product range and is available for all three indoor units. This means that your heating system provides space heating and domestic hot water.

Reversible model

If cooling is needed, all three indoors have dedicated reversible models. Reversible means that the system can invert its way of working and provide cooling instead of heating. The cooling function requires a underfloor piping system or fan coil units.



Daikin Altherma HPC (heat pump convectors) are hydronic emitters that can provide cooling or heating. They can be combined and are a perfect fit with underfloor systems.

Your **underfloor piping system** is designed to receive mid-temperature water to heat your home, but when the summer comes, the pipes can also receive colder water to refresh your environment.

Bizone model

Only the DHW stainless steel tank model has a dedicated bizone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (example: underfloor system in the living room and radiators in the bedroom upstairs).

The 2 zones can also be managed independently: deactivate heating on the first floor during the day in order to reduce over consumption.

* Daikin Altherma 3 H HT models produce a LWT up to 70 °C (14-16-18 classes). Daikin Altherma 3 H MT produces a LWT up to 65 °C (08-10-12 classes).

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION



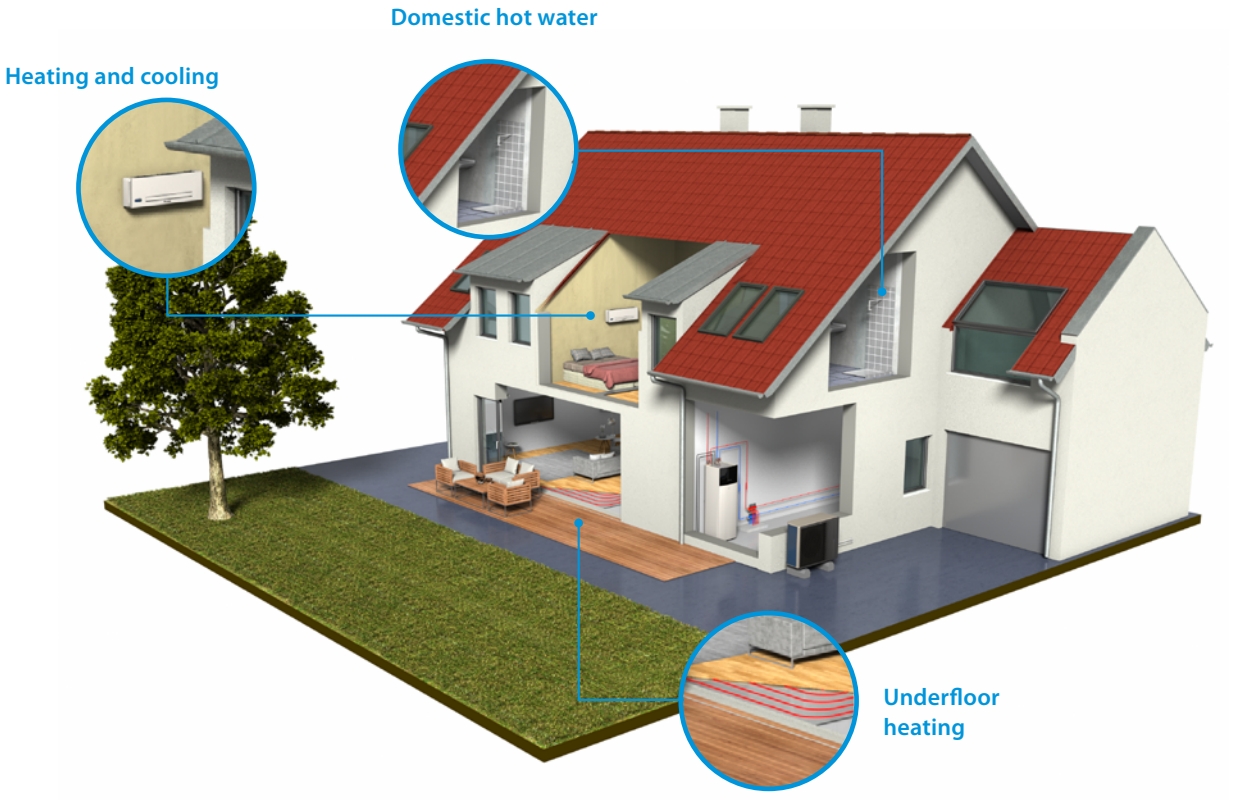
Floor standing unit with integrated tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for renovation or large new built.

All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems.
- Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6, 9 kW models are available
- Dedicated bi-zone models allowing temperature monitoring for 2 zones.



All-in one design

Reduces the installation footprint and height

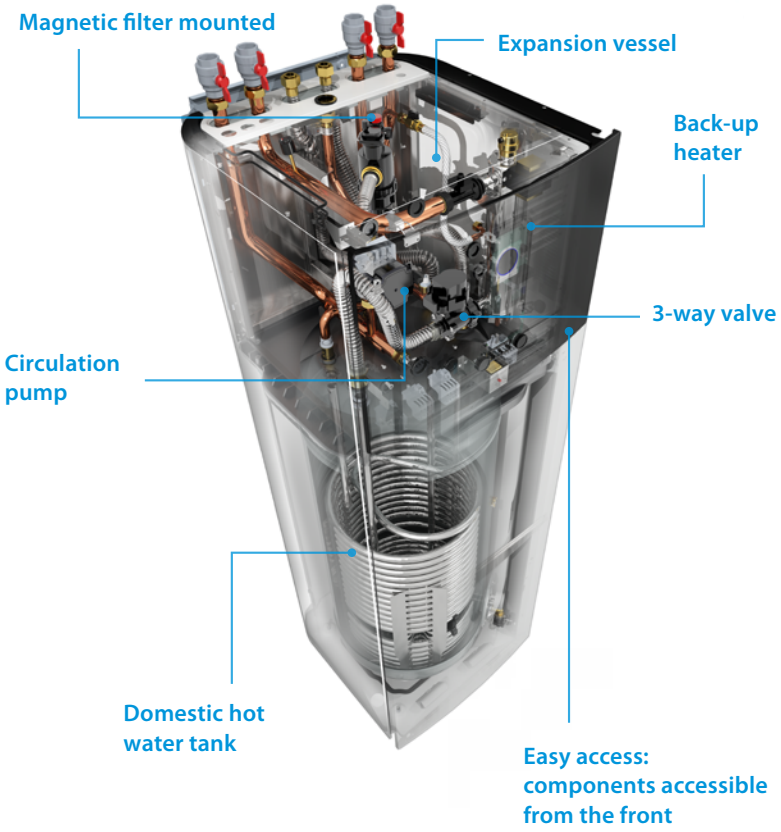
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1.65 m for an 180 L tank and 1.85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface



The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occured.

Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

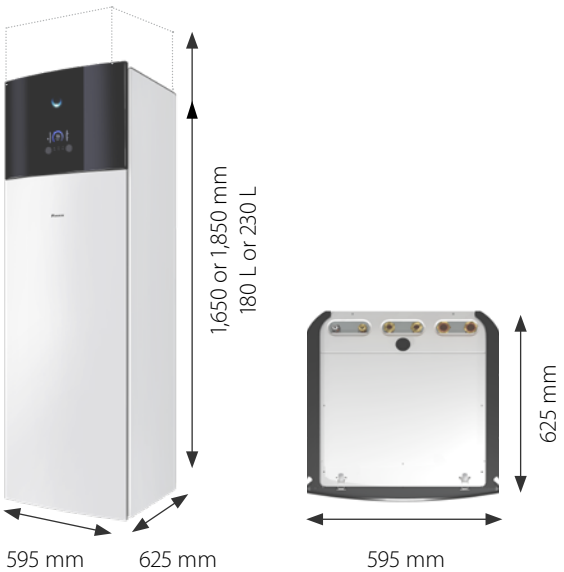
Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Integrated indoor unit



Daikin Altherma 3 H MT F

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- Small installation footprint of 595 x 625 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -28 °C



up to A+++ A+ 65 °C R-32

011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508

More details and final information can be found by scanning or clicking the QR codes.

ETVH12E6V ETVH12E9W EPRA08-12EV3 EPRA08-12EW1

Efficiency data				ETVH + EPRA	12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W + 10EV/W	12S23E6V/E9W + 10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP		3.41 / 3.52		3.43 / 3.53			
			ηs (Seasonal space heating efficiency)	%	134 / 138					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.69 / 4.81		4.71 / 4.84		4.71 / 4.84	
			ηs (Seasonal space heating efficiency)	%	184 / 190		186 / 191		186 / 191	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05
		ηwh (water heating efficiency)		%	117 / 120	126 / 130	117 / 120	126 / 130	117 / 120	126 / 130
		Water heating energy efficiency class			A+					

Indoor Unit				ETVH	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	108	117	108	117	108	117
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25					
		Water side	Min.~Max.	°C	18 ~ 65					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 65					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533		
Weight	Unit			kg	118		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.		°CDB	-28 ~ 25		
	Cooling	Min.~Max.		°CDB	10 ~ 43		
	Domestic hot water	Min.~Max.		°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.25		
	Charge			TCO_2Eq	2.19		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					53		
Sound pressure level (at 1 meter)	Nom.				40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 H HT F

Floor standing air to water heat pump for **heating and hot water**

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- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -28 °C



up to A+++ A 70 °C R-32

011-1W0353-354
011-1W0357-358
011-1W0361-362

More details and final information can be found by scanning or clicking the QR codes.

ETVH16E6V7 ETVH16E9W7 EPRA14-18DV37 EPRA14-18DW17

Efficiency data				ETVH + EPRA	16S18E6V7/E9W7 + 14DV7/W7	16S23E6V7/E9W7 + 14DV7/W7	16S18E6V7/E9W7 + 16DV7/W7	16S23E6V7/E9W7 + 16DV7/W7	16S18E6V7/E9W7 + 18DV7/W7	16S23E6V7/E9W7 + 18DV7/W7
Space heating	Average climate water outlet 55 °C	General	SCOP		3.58 / 3.57					
			ηs (Seasonal space heating efficiency)	%	140					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.51 / 4.71					
			ηs (Seasonal space heating efficiency)	%	177 / 186					
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55
		ηwh (water heating efficiency)		%	110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107
		Water heating energy efficiency class			A					

Indoor Unit				ETVH	16S18E6V7/E9W7	16S23E6V7/E9W7	16S18E6V7/E9W7	16S23E6V7/E9W7	16S18E6V7/E9W7	16S23E6V7/E9W7
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	109	118	109	118	109	118
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	15 ~ 70					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating	Min.~Max.		°CDB	-28 ~ 25		
	Cooling	Min.~Max.		°CDB	10 ~ 43		
	Domestic hot water	Min.~Max.		°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43		48
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT F

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011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508

up to A+++ A+ 65 °C R-32

More details and final information can be found by scanning or clicking the QR codes.

ETVX12E6V ETVX12E9W EPRA08-12EV3 EPRA08-12EW1

Efficiency data				ETVX + EPRA	12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W + 10EV/W	12S23E6V/E9W + 10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP		3.47 / 3.59		3.48 / 3.60			
			ηs (Seasonal space heating efficiency) %		136 / 141					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.79 / 4.95		4.82 / 4.98			
			ηs (Seasonal space heating efficiency) %		188 / 195		190 / 196			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05
		ηwh (water heating efficiency) %			117 / 120	126 / 130	117 / 120	126 / 130	117 / 120	126 / 130
		Water heating energy efficiency class			A+					

Indoor Unit				ETVX	12S18E6V/D9W	12S23E6V/D9W	12S18E6V/D9W	12S23E6V/D9W	12S18E6V/D9W	12S23E6V/D9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	108	117	108	117	108	117
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25					
		Water side	Min.~Max.	°C	18 ~ 65					
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43					
		Water side	Min.~Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 65					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	118		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.25		
	Charge			TCO_2Eq	2.19		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					53		
Sound pressure level (at 1 meter)	Nom.				40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

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DAIKIN altherma

BLUEVOLUTION

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011-1W0353-354
011-1W0357-358
011-1W0361-362

up to A+++ A 70 °C R-32

More details and final information can be found by scanning or clicking the QR codes. ETVX16E6V7 ETVX16E9W7 EPRA14-18DV37 EPRA14-18DW17

Efficiency data				ETVX + EPRA	16S18E6V7/E9W7 + 14DV7/W7	16S23E6V7/E9W7 + 14DV7/W7	16S18E6V7/E9W7 + 16DV7/W7	16S23E6V7/E9W7 + 16DV7/W7	16S18E6V7/E9W7 + 18DV7/W7	16S23E6V7/E9W7 + 18DV7/W7
Space heating	Average climate water outlet 55 °C	General	SCOP		3.62 / 3.63					
			ηs (Seasonal space heating efficiency)	%	142					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.57 / 4.81					
			ηs (Seasonal space heating efficiency)	%	180 / 190					
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55
		ηwh (water heating efficiency)		%	110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107
		Water heating energy efficiency class			A					

Indoor Unit				ETVX	16S18E6V7/E79W7	16S23E6V7/E79W7	16S18E6V7/E79W7	16S23E6V7/E79W7	16S18E6V7/E79W7	16S23E6V7/E79W7
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	109	118	109	118	109	118
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	15 ~ 70					
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43					
		Water side	Min.~Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating	Min.~Max.		°CDB	-28 ~ 25		
	Cooling	Min.~Max.		°CDB	10 ~ 43		
	Domestic hot water	Min.~Max.		°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43		48
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT F

Floor standing integrated with **two different temperature zones monitoring**

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -28 °C



011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508

up to A+++ A+ 65 °C R-32

More details and final information can be found by scanning or clicking the QR codes.

ETVZ12E6V ETVZ12E9W EPRA08-12EV3 EPRA08-12EW1

Efficiency data				ETVZ + EPRA	12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W + 10EV/W	12S23E6V/E9W + 10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP		3.41 / 3.52		3.43 / 3.53			
			ηs (Seasonal space heating efficiency)	%	134 / 138					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.69 / 4.82		4.71 / 4.69		4.71 / 4.84	
			ηs (Seasonal space heating efficiency)	%	184 / 190		186 / 184		186 / 191	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05
		ηwh (water heating efficiency)		%	117 / 120	126 / 130	117 / 120	126 / 130	117 / 120	126 / 130
		Water heating energy efficiency class			A+					

Indoor Unit				ETVZ	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	114	122	114	122	114	122
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25					
		Water side	Min.~Max.	°C	18 ~ 65					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 65					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	118		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.25		
	Charge			TCO_2Eq	2.19		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					53		
Sound pressure level (at 1 meter)	Nom.				40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 H HT F

Floor standing integrated with **two different temperature zones monitoring**

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 625 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -28 °C



up to A+++ A 70 °C R-32

011-1W0353-354
011-1W0357-358
011-1W0361-362

More details and final information can be found by scanning or clicking the QR codes. ETVZ16E6V7 ETVZ16E9W7 EPRA14-18DV37 EPRA14-18DW17

Efficiency data				**ETVZ + EPRA**	**16S18E6V7/E9W7 + 14DV7/W7**	**16S23E6V7/E9W7 + 14DV7/W7**	**16S18E6V7/E9W7 + 16DV7/W7**	**16S23E6V7/E9W7 + 16DV7/W7**	**16S18E6V7/E9W7 + 18DV7/W7**	**16S23E6V7/E9W7 + 18DV7/W7**
Space heating	Average climate water outlet 55 °C	General	SCOP		3.58 / 3.57					
			ηs (Seasonal space heating efficiency)	%	140					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.51 / 4.71					
			ηs (Seasonal space heating efficiency)	%	177 / 186					
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55
		ηwh (water heating efficiency)		%	110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107
		Water heating energy efficiency class			A					

Indoor Unit				**ETVZ**	**16S18E6V7/E9W7**	**16S23E6V7/E9W7**	**16S18E6V7/E9W7**	**16S23E6V7/E9W7**	**16S18E6V7/E9W7**	**16S23E6V7/E9W7**
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	120	128	120	128	120	128
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	15 ~ 70					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				**EPRA**	**14DV37/W17**	**16DV37/W17**	**18DV37/W17**
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating	Min.~Max.		°CDB	-28 ~ 25		
	Domestic hot water	Min.~Max.		°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43		48
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.



Floor standing unit with integrated ECH_2O tank

The Daikin Altherma high temperature split integrated ECH_2O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

Intelligent storage management

› The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
› Continuous heating during defrost mode and use of stored heat for space heating (500 L tank only)
› Electronic management of both heat pump and ECH_2O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
› Achieves the highest standards for water sanitation
› Uses more renewable energy with solar connection

Innovative and high-quality tank

› Lightweight plastic tank
› No corrosion, anode, scale or lime deposits
› Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

› The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH_2O





Advanced user interface

The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

ECH_2O thermal store range: additional hot water comfort

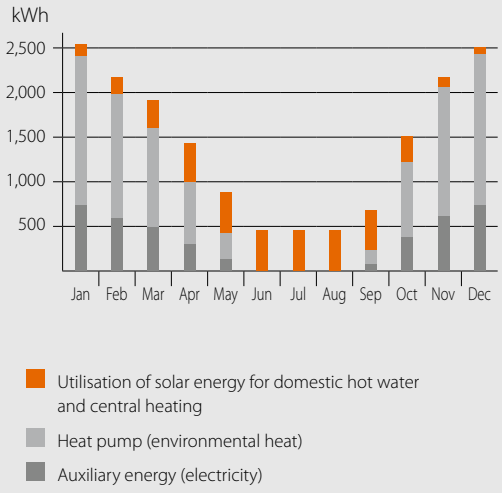
Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.
› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Pressureless (drain-back) solar system (ETSH*, ETSX*)
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

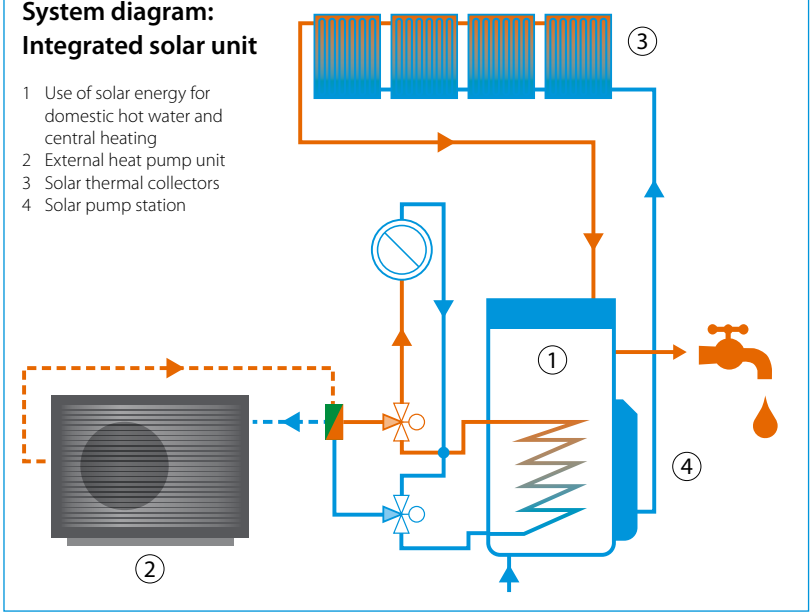
Pressurised solar system (ETSHB*, ETSXB*)
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heat pump unit
3 Solar thermal collectors
4 Solar pump station



Daikin Altherma 3 H MT ECH$_2$O

Floor standing air-to-water heat pump for **heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Heat pump operation down to -28 °C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump



up to A+++ A+ 65 °C R-32

011-1W0501
011-1W0502

More details and final information can be found by scanning or clicking the QR codes.

ETSH12E EPRA08-12EV3 EPRA08-12EW1

Efficiency data				ETSH + EPRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP		3.41 / 3.52		3.43 / 3.53			
			ηs (Seasonal space heating efficiency) %		134 / 138					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.69 / 4.81		4.71 / 4.84		4.71 / 4.84	
			ηs (Seasonal space heating efficiency) %		184 / 190		186 / 191		186 / 191	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17
		ηwh (water heating efficiency) %			116 / 119	128 / 131	116 / 119	128 / 131	116 / 119	128 / 131
		Water heating energy efficiency class			A+					

Indoor Unit				ETSH	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit			kg	75	98	75	98	75	98
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25					
		Water side	Min.~Max.	°C	18 ~ 65					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	47.30					
Sound pressure level	Nom.			dBA	38.60					

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	118		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.25		
	Charge			TCO$_2$Eq	2.19		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					53		
Sound pressure level (at 1 meter)	Nom.				40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT ECH$_2$O

Floor standing air-to-water heat pump for **heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Heat pump operation down to -28 °C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump



up to A^{+++} A^{+} 70 °C R-32

011-1W0355-356
011-1W0359-360
011-1W0363-364

More details and final information can be found by scanning or clicking the QR codes.

ETSH16E7 EPRA14-18DV37 EPRA14-18DW17

Efficiency data				ETSH + EPRA	16P30E7 + 14DV7/W7	16P50E7 + 14DV7/W7	16P30E7 + 16DV7/W7	16P50E7 + 16DV7/W7	16P30E7 + 18DV7/W7	16P50E7 + 18DV7/W7
Space heating	Average climate water outlet 55 °C	General	SCOP		3.58 / 3.57					
			ηs (Seasonal space heating efficiency)	%	140					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.51 / 4.71					
			ηs (Seasonal space heating efficiency)	%	177 / 186					
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.86 / 2.85	3.00 / 2.99	2.86 / 2.85	3.00 / 2.99	2.86 / 2.85	3.00 / 2.99
		ηwh (water heating efficiency)		%	124	125	124	125	124	125
		Water heating energy efficiency class			A+					

Indoor Unit				ETSH	16P30E7	16P50E7	16P30E7	16P50E7	16P30E7	16P50E7
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit			kg	75	98	75	98	75	98
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	15 ~ 70					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	45.6					
Sound pressure level	Nom.			dBA	32.8					

Outdoor Unit				EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43.0		48.0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT ECH$_2$O

Floor standing air-to-water heat pump for **bivalent heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- Heat pump operation down to -28 °C



up to A+++ A+ 65 °C R-32

011-1W0501
011-1W0502

More details and final information can be found by scanning or clicking the QR codes.

ETSHB12E EPRA08-12EV3 EPRA08-12EW1

Efficiency data				ETSHB + EPRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP		3.41 / 3.52		3.43 / 3.53			
			ηs (Seasonal space heating efficiency)	%	134 / 138					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.69 / 4.81		4.71 / 4.84		4.71 / 4.84	
			ηs (Seasonal space heating efficiency)	%	184 / 190		186 / 191		186 / 191	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17
		ηwh (water heating efficiency)		%	116 / 119	128 / 131	116 / 119	128 / 131	116 / 119	128 / 131
		Water heating energy efficiency class			A+					

Indoor Unit				ETSHB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit			kg	76	100	76	100	76	100
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	18 ~ 65					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	45.6					
Sound pressure level	Nom.			dBA	32.8					

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	118		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.25		
	Charge			TCO$_2$Eq	2.19		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					53		
Sound pressure level (at 1 meter)	Nom.				40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 H HT ECH$_2$O

Floor standing air-to-water heat pump for **bivalent heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- Heat pump operation down to -28 °C



up to A+++ A+ 70 °C R-32

011-1W0355-356
011-1W0359-360
011-1W0363-364

More details and final information can be found by scanning or clicking the QR codes.

ETSHB16E7 EPRA14-18DV37 EPRA14-18DW17

Efficiency data				ETSHB + EPRA	16P30E7 + 14DV7/W7	16P50E7 + 14DV7/W7	16P30E7 + 16DV7/W7	16P50E7 + 16DV7/W7	16P30E7 + 18DV7/W7	16P50E7 + 18DV7/W7
Space heating	Average climate water outlet 55 °C	General	SCOP		3.58 / 3.57					
			ηs (Seasonal space heating efficiency)	%	140					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.51 / 4.71					
			ηs (Seasonal space heating efficiency)	%	177 / 186					
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.86 / 2.85	3.00 / 2.99	2.86 / 2.85	3.00 / 2.99	2.86 / 2.85	3.00 / 2.99
		ηwh (water heating efficiency)		%	124	125	124	125	124	125
		Water heating energy efficiency class			A+					

Indoor Unit				ETSHB	16P30E7	16P50E7	16P30E7	16P50E7	16P30E7	16P50E7
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit			kg	76	100	76	100	76	100
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	15 ~ 70					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	45.6					
Sound pressure level	Nom.			dBA	32.8					

Outdoor Unit				EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 35		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43.0		48.0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT ECH$_2$O

Floor standing air-to-water heat pump for **heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -28 °C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump



up to A+++ A+ 65 °C R-32

011-1W0501
011-1W0502

More details and final information can be found by scanning or clicking the QR codes.

ETSX12E EPRA08-12EV3 EPRA08-12EW1

Efficiency data					ETSX + EPRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP			3.47 / 3.59		3.48 / 3.60			
			ηs (Seasonal space heating efficiency)	%		136 / 141					
			Seasonal space heating eff. class			A++					
	Average climate water outlet 35 °C	General	SCOP			4.79 / 4.95		4.82 / 4.98			
			ηs (Seasonal space heating efficiency)	%		189 / 195		190 / 196			
			Seasonal space heating eff. class			A+++					
Domestic hot water heating	General	Declared load profile				L					
	Average climate	COPdhw				2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17
		ηwh (water heating efficiency)		%		116 / 119	128 / 131	116 / 119	128 / 131	116 / 119	128 / 131
		Water heating energy efficiency class				A+					

Indoor Unit				ETSX	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit			kg	75	98	75	98	75	98
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25					
		Water side	Min.~Max.	°C	18 ~ 65					
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43					
		Water side	Min.~Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	47.30					
Sound pressure level	Nom.			dBA	38.60					

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	118		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.25		
	Charge			TCO_2Eq	2.19		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					53		
Sound pressure level (at 1 meter)	Nom.				40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT ECH$_2$O

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up to A^{+++} A^{+} 70 °C R-32

011-1W0355-356
011-1W0359-360
011-1W0363-364

More details and final information can be found by scanning or clicking the QR codes.

ETSX16E7 EPRA14-18DV37 EPRA14-18DW17

Efficiency data				ETSX + EPRA	16P30E7 + 14DV7/W7	16P50E7 + 14DV7/W7	16P30E7 + 16DV7/W7	16P50E7 + 16DV7/W7	16P30E7 + 18DV7/W7	16P50E7 + 18DV7/W7
Space heating	Average climate water outlet 55 °C	General	SCOP		3.62 / 3.63					
			ηs (Seasonal space heating efficiency)	%	142					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.57 / 4.81					
			ηs (Seasonal space heating efficiency)	%	180 / 190					
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.86 / 2.85	3.00 / 2.99	2.86 / 2.85	3.00 / 2.99	2.86 / 2.85	3.00 / 2.99
		ηwh (water heating efficiency)		%	124	125	124	125	124	125
		Water heating energy efficiency class			A+					

Indoor Unit				ETSX	16P30E7	16P50E7	16P30E7	16P50E7	16P30E7	16P50E7
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit			kg	75	98	75	98	75	98
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	15 ~ 70					
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43					
		Water side	Min.~Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	45.6					
Sound pressure level	Nom.			dBA	32.8					

Outdoor Unit				EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water		Min.~Max.	°CDB	-28 ~35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43.0		48.0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

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Daikin Altherma 3 H MT ECH$_2$O

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up to A^{+++} A^{+} 65 °C R-32

011-1W0501
011-1W0502

More details and final information can be found by scanning or clicking the QR codes.

ETSXB12E EPRA08-12EV3 EPRA08-12EW1

Efficiency data				ETSXB + EPRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP		3.47 / 3.59		3.48 / 3.60			
			ηs (Seasonal space heating efficiency)	%	136 / 141					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.79 / 4.95		4.82 / 4.98			
			ηs (Seasonal space heating efficiency)	%	189 / 195		190 / 196			
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17
		ηwh (water heating efficiency)		%	116 / 119	128 / 131	116 / 119	128 / 131	116 / 119	128 / 131
		Water heating energy efficiency class			A+					

Indoor Unit				ETSXB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit			kg	76	100	76	100	76	100
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25					
		Water side	Min.~Max.	°C	18 ~ 65					
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43					
		Water side	Min.~Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	47.30					
Sound pressure level	Nom.			dBA	38.60					

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	118		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.25		
	Charge			TCO$_2$Eq	2.19		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					53		
Sound pressure level (at 1 meter)	Nom.				40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

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up to A+++ A+ 70 °C R-32

011-1W0355-356
011-1W0359-360
011-1W0363-364

More details and final information can be found by scanning or clicking the QR codes.

ETSXB16E7 EPRA14-18DV37 EPRA14-18DW17

Efficiency data				ETSXB + EPRA	16P30E7 + 14DV7/W7	16P50E7 + 14DV7/W7	16P30E7 + 16DV7/W7	16P50E7 + 16DV7/W7	16P30E7 + 18DV7/W7	16P50E7 + 18DV7/W7
Space heating	Average climate water outlet 55 °C	General	SCOP		3.62 / 3.63					
			ηs (Seasonal space heating efficiency)	%	142					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.57 / 4.81					
			ηs (Seasonal space heating efficiency)	%	180 / 190					
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.86 / 2.85	3.00 / 2.99	2.86 / 2.85	3.00 / 2.99	2.86 / 2.85	3.00 / 2.99
		ηwh (water heating efficiency)		%	124	125	124	125	124	125
		Water heating energy efficiency class			A+					

Indoor Unit				ETSXB	16P30E7	16P50E7	16P30E7	16P50E7	16P30E7	16P50E7
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit			kg	76	100	76	100	76	100
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	15 ~ 70					
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43					
		Water side	Min.~Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	45.6					
Sound pressure level	Nom.			dBA	32.8					

Outdoor Unit				EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating	Min.~Max.		°CDB	-28 ~ 25		
	Cooling	Min.~Max.		°CDB	10 ~ 43		
	Domestic hot water	Min.~Max.		°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43.0		48.0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This product contains fluorinated greenhouse gases.

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION



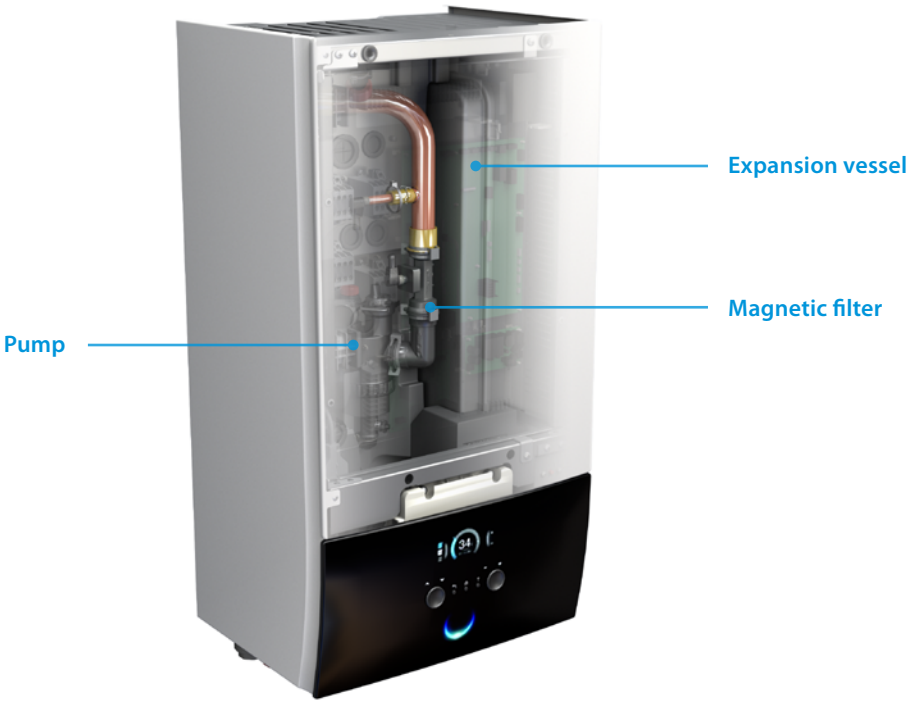
Wall mounted unit

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

› Inclusion of all hydraulic components means no third party components are required
› PCB board and hydraulic components are located in the front for easy access
› Compact dimensions allows for small installation space, as almost no side clearances are required
› The unit's sleek design blends in with other household appliances
› Combine with a stainless steel or ECH$_2$O thermal store



Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.



ECH$_2$O thermal store range: additional hot water comfort

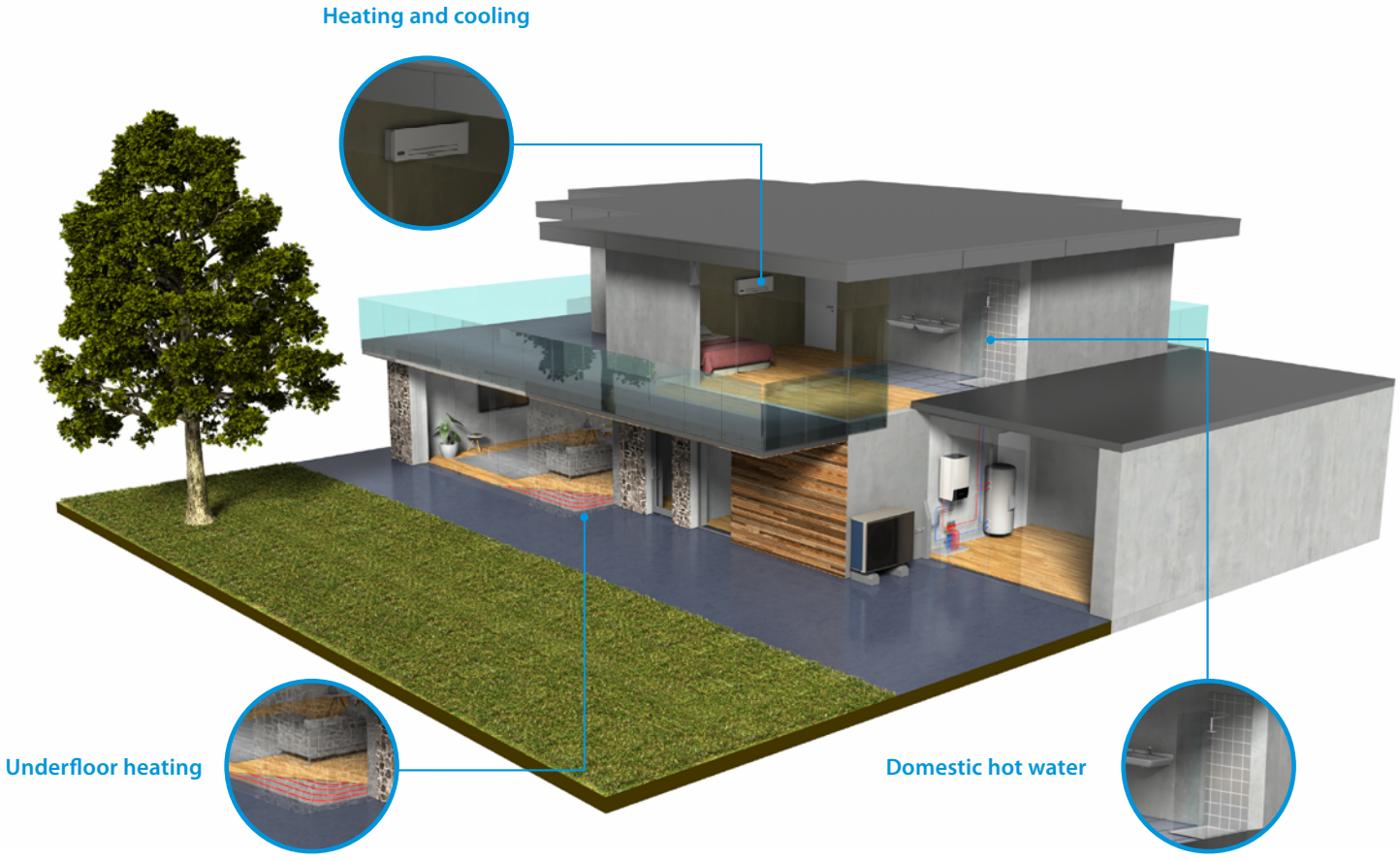
Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: with high tapping performance
- Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options

Flexibility in providing space heating

The wall mounted unit is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

Example of installation with a stainless steel domestic hot water tank.



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Daikin Altherma 3 H MT W

Wall mounted **heating only** air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Heat pump operation down to -28 °C



up to A+++

65 °C

R-32

011-1W0506
011-1W0507
011-1W0508

More details and final information can be found by scanning or clicking the QR codes.

ETBH12E6V ETBH12E9W EPRA08-12EV3 EPRA08-12EW1

Efficiency data				ETBH + EPRA	12E6V + 08EV/W	12E9W + 08EV/W	12E6V + 10EV/W	12E9W + 10EV/W	12E6V + 12EV/W	12E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP		3.41 / 3.52		3.43 / 3.53			
			ηs (Seasonal space heating efficiency)	%	134 / 138					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.69 / 4.81		4.71 / 4.84		4.71 / 4.84	
			ηs (Seasonal space heating efficiency)	%	184 / 190		186 / 191		186 / 191	
			Seasonal space heating eff. class		A+++					

Indoor Unit				ETBH	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W
Casing	Colour				White + Black					
	Material				Sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390					
Weight	Unit			kg	36.50					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25					
		Water side	Min.~Max.	°C	18 ~ 65					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	118		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	3.25		
	Charge			TCO_2Eq	2.19		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					53		
Sound pressure level (at 1 meter)	Nom.				40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT W

Wall mounted **heating only** air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Heat pump operation down to -28 °C



up to A+++ | 70 °C | R-32

011-1W0353
011-1W0357
011-1W0361

More details and final information can be found by scanning or clicking the QR codes. ETBH16E6V7 | ETBH16E9W7 | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data				ETBH + EPRA	16E6V7 + 14DV7/DW7	16E9W7 + 14DV7/DW7	16E6V7 + 16DV7/W7	16E9W7 + 16DV7/W7	16E6V7 + 18DV7/DW7	16E9W7 + 18DV7/DW7
Space heating	Average climate water outlet 55 °C	General	SCOP		3.58 / 3.57					
			ηs (Seasonal space heating efficiency)	%	140					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.51 / 4.71					
			ηs (Seasonal space heating efficiency)	%	177 / 186					
			Seasonal space heating eff. class		A+++					

Indoor Unit				ETBH	16E6V7	16E9W7	16E6V7	16E9W7	16E6V7	16E9W7
Casing	Colour				White + Black					
	Material				Sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390					
Weight	Unit			kg	42					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	18 ~ 70					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 35		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43		48
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 H MT W

Wall mounted **reversible** air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Heat pump operation down to -28 °C



up to A+++ | 65 °C | R-32

011-1W0506
011-1W0507
011-1W0508

More details and final information can be found by scanning or clicking the QR codes.

ETBX12E6V | ETBX12E9W | EPRA08-12EV3 | EPRA08-12EW1

Efficiency data				ETBX + EPRA	12E6V + 08EV/W	12E9W + 08EV/W	12E6V + 10EV/W	12E9W + 10EV/W	12E6V + 12EV/W	12E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP		3.47 / 3.59		3.48 / 3.60			
			ηs (Seasonal space heating efficiency)	%	136 / 141					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.79 / 4.95		4.82 / 4.98			
			ηs (Seasonal space heating efficiency)	%	188 / 195		190 / 196			
			Seasonal space heating eff. class		A+++					

Indoor Unit				ETBX	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W
Casing	Colour				White + Black					
	Material				Sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390					
Weight	Unit			kg	36.50					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25					
		Water side	Min.~Max.	°C	18 ~ 65					
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43					
		Water side	Min.~Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit			EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit		kg	118		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25		
	Cooling	Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type			R-32		
	GWP			675		
	Charge		kg	3.25		
	Charge		TCO$_2$Eq	2.19		
	Control			Expansion valve		
LW(A) Sound power level (according to EN14825)				53		
Sound pressure level (at 1 meter)	Nom.			40.60 / 41.10		
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses		A	32 / 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT W

Wall mounted **reversible** air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Heat pump operation down to -28 °C



up to A+++ | 70 °C | R-32

011-1W0353
011-1W0357
011-1W0361

More details and final information can be found by scanning or clicking the QR codes. ETBX16E6V | ETBX16E9W | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data				**ETBX + EPRA**	**16E6V7 + 14DV7/W7**	**16E9W7 + 14DV7/W7**	**16E6V7 + 16DV7/W7**	**16E9W7 + 16DV7/W7**	**16E6V7 + 18DV7/W7**	**16E9W7 + 18DV7/W7**
Space heating	Average climate water outlet 55 °C	General	SCOP		3.62 / 3.63					
			ηs (Seasonal space heating efficiency)	%	142					
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35 °C	General	SCOP		4.57 / 4.81					
			ηs (Seasonal space heating efficiency)	%	180 / 190					
			Seasonal space heating eff. class		A+++					

Indoor Unit				**ETBX**	**16E6V7**	**16E9W7**	**16E6V7**	**16E9W7**	**16E6V7**	**16E9W7**
Casing	Colour				White + Black					
	Material				Sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390					
Weight	Unit			kg	42					
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	18 ~ 70					
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43					
		Water side	Min.~Max.	°C	5 ~ 22					
	Domestic hot water	Ambient	Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				**EPRA**	**14DV37/W17**	**16DV37/W17**	**18DV37/W17**
Dimensions	Unit		HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25		
	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO$_2$Eq	2.84		
	Control				Expansion valve		
LW(A) Sound power level (according to EN14825)					54		
Sound pressure level (at 1 meter)	Nom.				43		48
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32 / 16		

This product contains fluorinated greenhouse gases.

Combination table and options

Type	Description	Material name	H/O	
			3 H MT	3 H HT
			ETVH12S18E6V	ETVH16S18E6V7
			ETVH12S18E9W	ETVH16S18E9W7
			ETVH12S23E6V	ETVH16S23E6V7
			ETVH12S23E9W	ETVH16S23E9W7
Outdoor unit		EPRA08EV3/W1	●	
		EPRA10EV3/W1	●	
		EPRA12EV3/W1	●	
		EPRA14DV37/W17		●
		EPRA16DV37/W17		●
		EPRA18DV37/W17		●
Controller	Madoka wired room thermostat	BRC1HHDK/S/W	●	●
	Wireless room thermostats	EKRTRB	●	●
	Wired digital thermostat	EKRTWA	●	●
	LAN Adapter	BRP069A62 (with MMI from v6.8.0)	●	●
	WLAN module	BRP069A71	●	●
	WLAN cartridge	BRP069A78	○ (1)	○ (1)
	Wired digital thermostat	EKWCTRDI1V3	○	○
	Wired analog thermostat	EKWCTRAN1V3	○	○
	Valve actuator	EKWCVATR1V3	○	○
	Wired underfloor heating base station	EKWUFHTA1V3	○	○
	Universal centralised controller	EKCC8-W, DCOM-LT/IO, LT/MB	○	○
Domestic hot water	Stainless steel tank	EKHWS(P)(U)150D3V3		
		EKHWS(P)(U)180D3V3		
		EKHWS(P)(U)200D3V3		
		EKHWS(P)(U)250D3V3		
		EKHWS(P)(U)300D3V3		
	Polypropylene tank	EKHWP300B		
		EKHWP500B		
		EKHWP300PB		
		EKHWP500PB		
	Third party tank kit	EKHY3PART		
		EKHY3PART2		
Sensors	External sensor for EKRTR room thermostat	EKRTETS	○	○
	High voltage smart grid relay kit	EKRELSG	○	○
	Remote indoor temperature sensor	KRCS01-1	○ (6)	○ (6)
	Remote outdoor temperature sensor	EKRSCA1	○ (6)	○ (6)
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	○	○
	Generic Bizone kit	EKMIKPHA	○	○
Other options	Digital I/O PCB	EKRP1HBA	○ (7)	○ (7)
	Demand PCB	EKRP1AHT	○	○
	PC USB cable	EKPCCAB4	○	○
	Conversion kit H/O to reversible for floor standing	EKHVCONV4		○
	Conversion kit H/O to reversible for wall mounted	EKHBCONV	○	
	Booster heater kit	EKBH3SD		
	Anti-freeze valve with diam. 1"	AFVALVE1	○	○
	Anti-freeze valve with diam. 1 1/4"	AFVALVE125	○	○
	Balancing valve	KBLNVALVE		○
	Decoupler	KDECOUP		○
ECH$_2$O options	Inline BUH - connection kit	EKECBUCO1AF		
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V		
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V		
	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W		
	Caleffi sludge and magnetite separator SAS1	156021		
	Biv Connector Kit	EKECBIVCO1AF		
	DB connector Kit	EKECDBCO1AF		

(1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2
(In case bad reception of signal, the W-LAN cartridge can be removed and replaced by WLAN module).
(2) Dedicated connection kit: EKEPRHLT3HX.
(3) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.
(4) EKHY3PART can be used if you have a tank in which you can insert the thermistor.
(5) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

Floor standing integrated stainless steel tank				Floor standing integrated ECH$_2$O		Wall mounted			
Reversible		Bizone				H/O		Reversible	
3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT
ETVX12S18E6V	ETVX16S18E6V7	ETVZ12S18E6V	ETVZ16S18E6V7	ETSH(B)12P30E	ETSH(B)16P30E				
ETVX12S18E9W	ETVX16S18E9W7	ETVZ12S18E9W	ETVZ16S18E9W7	ETSH(B)12P50E	ETSH(B)16P50E				
ETVX12S23E6V	ETVX16S23E6V7	ETVZ12S23E6V	ETVZ16S23E6V7	ETSX(B)12P30E	ETSX(B)16P30E	ETBH12E6V	ETBH16E6V7	ETBX12E6V	ETBX16E6V7
ETVX12S23E9W	ETVX16S23E9W7	ETVZ12S23E9W	ETVZ16S23E9W7	ETSX(B)12P50E	ETSX(B)16P50E	ETBH12E9W	ETBH16E9W7	ETBX12E9W	ETBX16E9W7
●		●		●		●		●	
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						● (2)	● (2)	● (2)	● (2)
						● (3)	● (3)	● (3)	● (3)
						● (2)	● (2)	● (2)	● (2)
						● (3)	● (3)	● (3)	● (3)
						● (4)	● (4)	● (4)	● (4)
						● (5)	● (5)	● (5)	● (5)
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● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)
● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)	● (6)
●	●			●	●	●	●	●	●
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● (7)	● (7)	● (7)	● (7)			● (7)	● (7)	● (7)	● (7)
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				●	●				
				● (8)	● (8)				
				● (8)	● (8)				
				● (8)	● (8)				
				●	●				
				●	●				
				●	●				

(6) Only one sensor can be connected: indoor or outdoor.
(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW
(*No 6T1-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.

R-410A



Daikin Altherma R HT

Why choose a Daikin Altherma high temperature split?

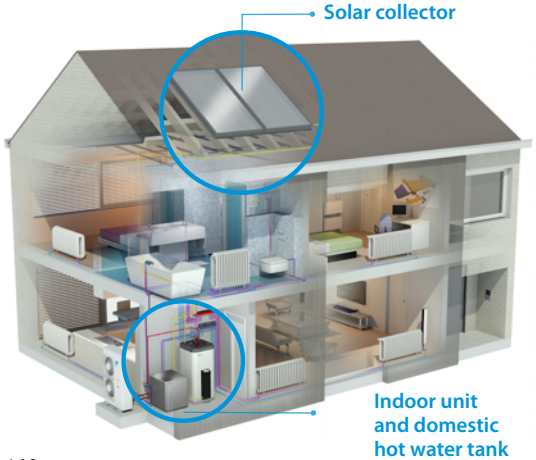
The Daikin Altherma high temperature split is the perfect heating solution to upgrade an old heating and hot water system to achieve more cost savings and energy efficiency, without replacing the existing piping and radiators.

Comfort

Best for renovation projects

Air-to-water high temperature heat pumps are ideal for renovations and replacing old boilers. Daikin Altherma high temperature split's compact design requires minimal installation space and integrates seamlessly with your existing piping and radiators. Minimal installation ensures you can enjoy the energy efficiency of a heat pump without having to replace your entire system.

› Easy replacement: reuse existing piping/radiators
› Reduced installation time
› Limited installation space needed as the indoor unit and domestic hot water tank can be stacked together
› No need to change existing radiators and piping as water temperatures can be increased up to 80 °C for heating and domestic hot water use



Whether your customer wants only domestic hot water or the advantage of solar energy, Daikin offers a wide range of options, including:

Stainless steel domestic hot water tank

The domestic hot water tank can be stacked on top of the indoor unit to save space, or installed next to each other if space is available.

› Available in 200 or 250 litres
› Efficient temperature heating: from 10 °C – 50 °C in only 60 minutes*

*Test completed with a 16 kW outdoor unit at ambient temperature of 7 °C for a 200 litre tank.



Non-stacked Stacked

ECH$_2$O thermal store: hot water savings with solar energy

Combine the Daikin Altherma heat pump with a thermal store to reduce energy costs by taking advantage of the sun's renewable energy. Built for small and large homes, customers can choose from a pressureless or pressurised hot water system.



Energy efficiency

Powered by renewable energy

Powered by **65% renewable energy** extracted from the air and 35% electricity, our Daikin Altherma high temperature heat pump provides heating and hot water with A+ energy efficiency.

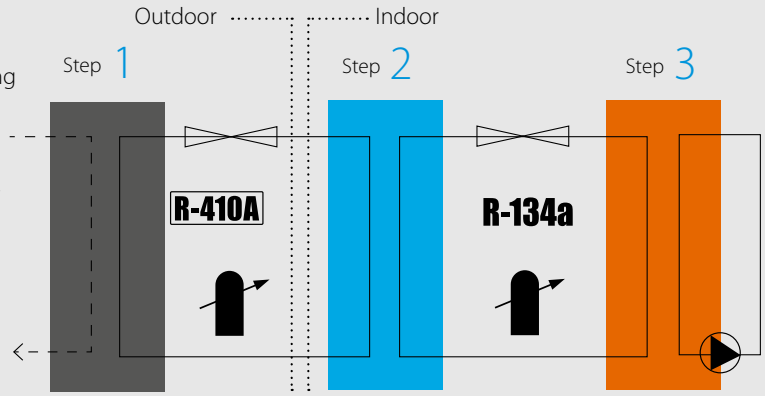
Reliability

The Daikin Altherma high temperature split optimises its technology to deliver reliable year-round comfort, even in the most extreme climates.

› 11-15 kW capacities
› Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
› Works with existing high temperature radiators up to 80 °C without an additional backup heater

Cascade technology

High performance heating in 3 steps to achieve 80 °C water temperature without using an additional backup heater



1 **The outdoor unit** extracts heat from the ambient outdoor air. This heat is transferred to the indoor unit via R-410A refrigerant

2 The **indoor unit** increases the temperature with R-134a refrigerant

3 The **refrigerant circuit** transfers the heat to the water in the system

Daikin Altherma R HT

Floor standing **heating only** air to water heat pump combinable **with existing radiators**

- Energy efficient heating only system based on air to water heat pump technology
- Single phase floor standing indoor unit up to 16kW
- Three phase floor standing indoor unit up to 16kW
- High temperature application: up to 80 °C without electric heater
- Easy replacement of existing boiler, without changing heating pipes
- Combinable with high temperature radiators
- Low energy bills and low CO_2 emissions
- Inverter controlled scroll compressor



ERRQ-AAV1 EKHBRD-ADV17/Y17



011-1W0256 → 258

More details and final information can be found by scanning or clicking the QR codes.

EKHBRD-ADV17 EKHBRD-ADY17 ERRQ-AV1 ERRQ-AY1 ERSQ-AV1 ERSQ-AY1

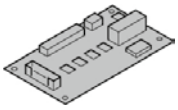
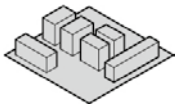
Efficiency data				EKHBRD + ERRQ/ERSQ	011ADV17 + ERRQ011AV1	011ADV17 + ERSQ011AV1	014ADV17 + ERRQ014AV1	014ADV17 + ERSQ014AV1	016ADV17 + ER(R/S) Q016AV1	011ADY17 + ERRQ011AY1	011ADY17 + ERSQ011AY1	014ADY17 + ERRQ014AY1	014ADY17 + ERSQ014AY1	016ADY17 + ER(R/S) Q016AY1
Heating capacity	Nom.			kW	11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)	11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)
Power input	Heating	Nom.		kW	3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)	3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)
COP					2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)	2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)
Space heating	Average climate water outlet 55 °C	General	SCOP		2.96		2.98		3.01	2.96		2.98		3.01
			ηs (Seasonal space heating efficiency)	%	115		116		117	115		116		117
			Seasonal space heating eff. class		A+									
	Average climate water outlet 35 °C	General	SCOP		2.70		2.81		2.88	2.70		2.81		2.88
			ηs (Seasonal space heating efficiency)	%	105		110		112	105		110		112
			Seasonal space heating eff. class		C		B			C		B		

Indoor Unit					EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17
Casing	Colour					Metallic grey					
	Material					Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm		705x600x695					
Weight	Unit			kg		144			147		
Operation range	Heating	Ambient	Min. ~ Max.	°C		-20 / 0 ~ 20					
		Water side	Min. ~ Max.	°C		25 ~ 80					
	Domestic hot water	Ambient	Min. ~ Max.	°CDB		-20 ~ 35					
		Water side	Min. ~ Max.	°C		25 ~ 80					
Refrigerant	Type					R-134a					
	Charge			kg		2.60					
	Charge			TCO_2Eq		3.718					
Sound pressure level	Nom.			dBA		43 (4) / 46 (5)	45 (4) / 46 (5)	46 (4) / 46 (5)	43 (4) / 46 (5)	45 (4) / 46 (5)	46 (4) / 46 (5)
	Night quiet mode	Level 1		dBA		40 (4)	43 (4)	45 (4)	40 (4)	43 (4)	45 (4)

Outdoor Unit					ERRQ-011AV1	ERSQ-011AV1	ERRQ-014AV1	ERSQ-014AV1	ERRQ/ERSQ 016AV1	ERRQ-011AY1	ERSQ-011AY1	ERRQ-014AY1	ERSQ-014AY1	ERRQ/ERSQ 016AY1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320									
Weight	Unit			kg	120									
Compressor	Quantity				1									
	Type				Hermetically sealed scroll compressor									
Operation range	Heating		Min. ~ Max.	°CWB	-20 ~ 20									
	Domestic hot water		Min. ~ Max.	°CDB	-20 ~ 35									
Refrigerant	Type				R-410A									
	GWP				2,087.5									
	Charge			kg	4.50									
	Charge			TCO_2Eq	9.40									
	Control				Expansion valve (electronic type)									
Sound power level	Heating		Nom.	dBA	68		69		71	68		69		71
Sound pressure level	Heating		Nom.	dBA	52		53		55	52		53		55
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V1/1 ~ /50/220-440					Y1/3 ~ /50/380-415				
Current	Recommended fuses			A	25					16				

(1)EW 55 °C; LW 65 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (2)EW 70 °C; LW 80 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (3)EW 30 °C; LW 35 °C; Dt 5 °C; ambient conditions: 7 °CDB/6 °CWB | (4)EW 55°C; LW 65°C; Dt 10°C; ambient conditions 7°CDB/6°CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7°CDB/6°CWB |
This product contains fluorinated greenhouse gases.

Options

		Type	Material name
Controllers		Remote user interface	EKRUAHTB
		Room thermostat (wired)	EKRTWA
		Room thermostat (wireless)	EKRTR1
		Centralised controller kit	EKCC-W
		DCOM gateway	DCOM-LT/IO
		DCOM gateway	DCOM-LT/MB
Adapter		Demand PCB	EKRP1AHTA
		Digital I/O PCB	EKRP1HBAA
Back-up heater		Back-up heater for HT 1 ~	EKBUHAA6V3
		Back-up heater for HT 3 ~	EKBUHAA6W1
		Bottom plate heater	EKBPHTH16A
Installation		UK tank kit	EKUHWHTA
		Stand alone kit	EKFMAHTB
Sensor		External sensor	EKRTETS
Valve		Refrigerant stop valves	EKRSVHTA
Others		Compatibility kit 1	EKMKHT1A
		Compatibility kit 2	EKMKHT2A



New generation of domestic water heat pumps

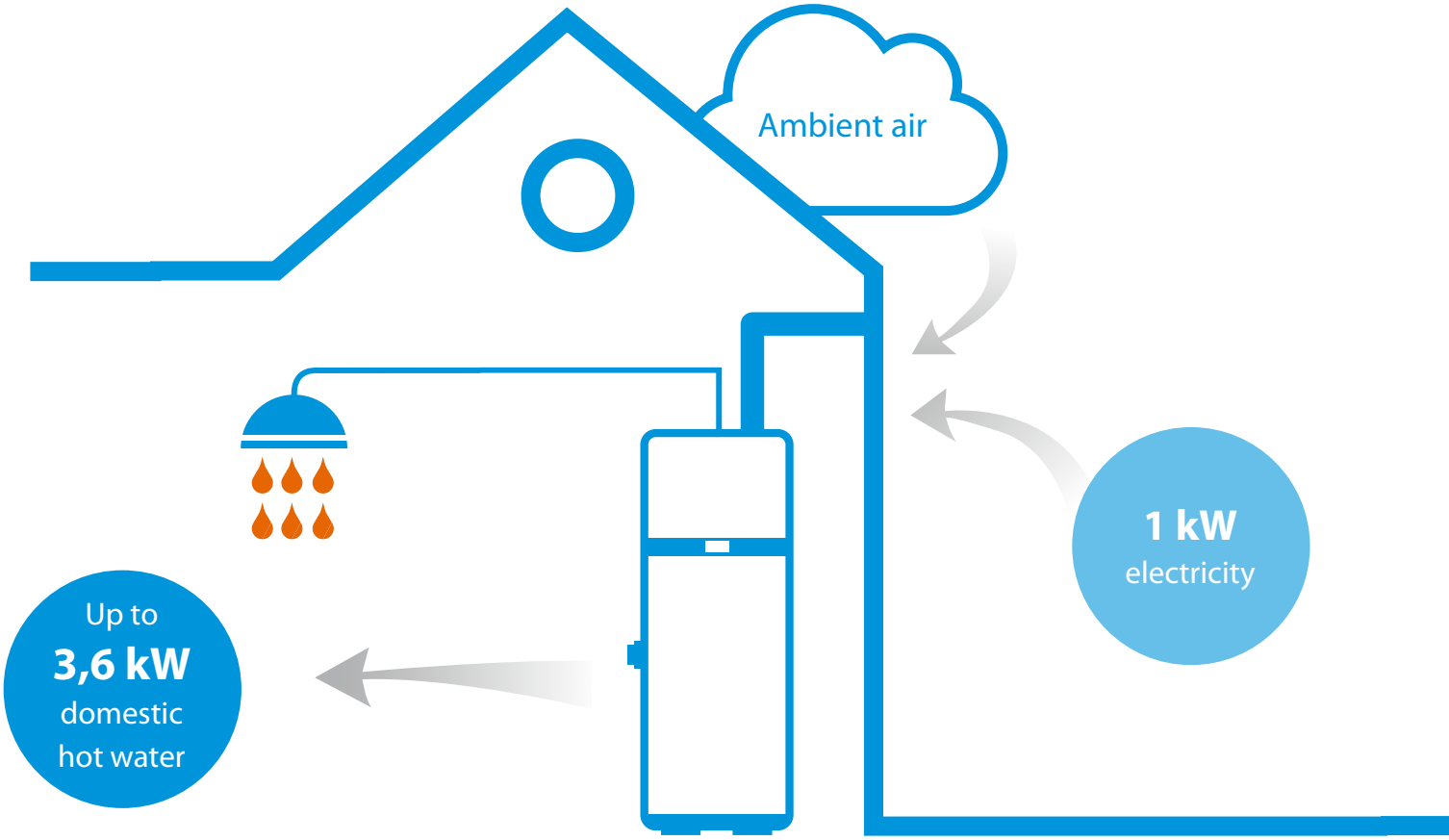


Why choose Daikin Altherma domestic hot water heat pump?

How does it work?

The system is made of a singly indoor unit that extracts energy from the air to provide domestic hot water. The unit collects up to 60% of its energy in the air, while the rest is provided by electricity.

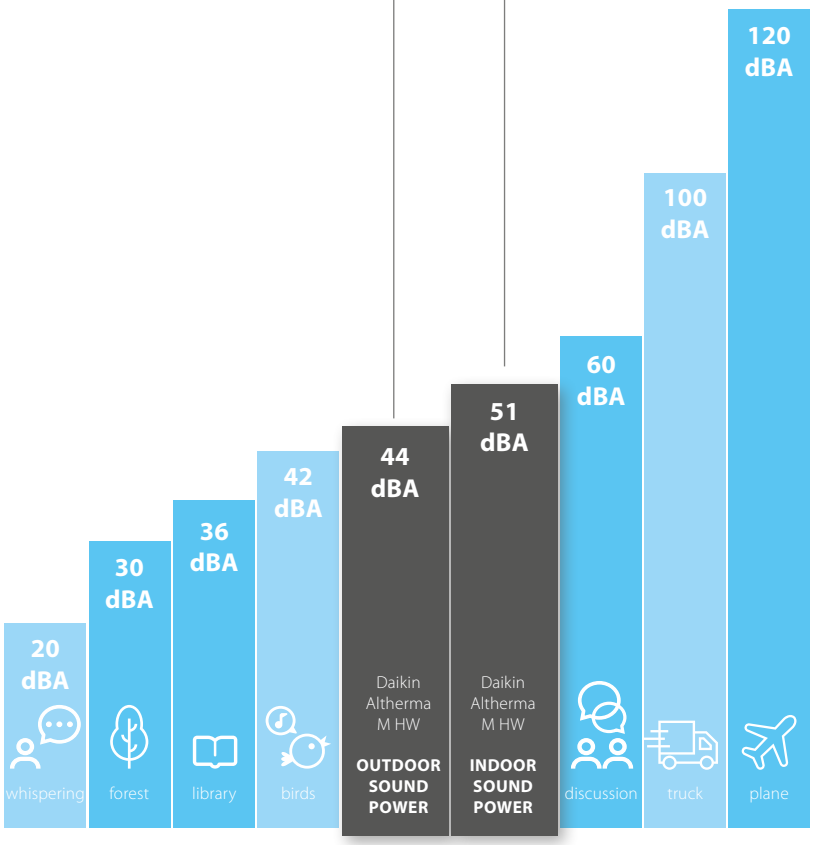
This heat pump relies on a compressor and a refrigerant to transfer the energy from the air to the water, heating the water up to your needs and delivering it into your house.





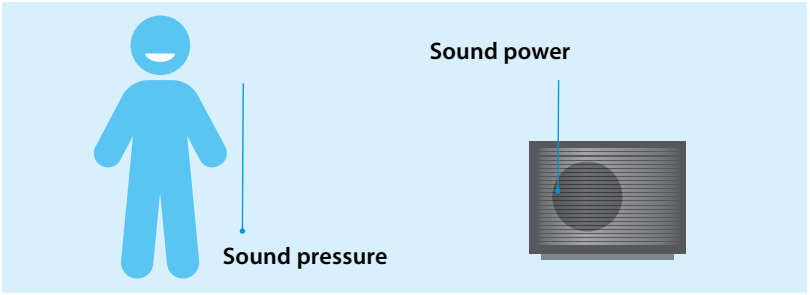
Remarkably quiet

With a sound power of 51dB(A) indoor, and 44dB(A) outdoor, it is one of the most silent domestic hot water heat pump.



The acoustic level can be evaluated in two ways

› The **sound power** is generated by the unit itself, independently of distance and environment
› The **sound pressure** is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.



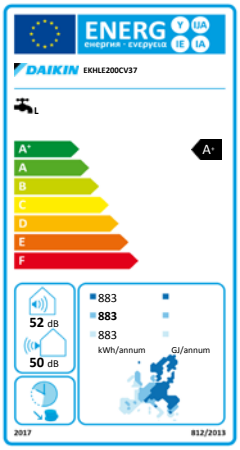
Product range



EKHHE200CV37 | EKHHE200PCV37 | EKHHE260CV37 | EKHHE260PCV37 | EKHLE200CV3 | EKHLE260CV3

These models are connectable to solar thermal or another auxiliary source, thanks to an extra coil, support the heat up of domestic hot water.

High temperature models are dedicated for warm climate conditions.



Features

Daikin Altherma M HW is an air-water heat pump for the production of domestic hot water, storage in a enamelled steel tank, with condenser having an external jacket to guarantee top safety and hygiene.

- Maximum temperature of 62 °C from renewable energy with heat pump alone or through a heating element (up to 75 °C)
- Programmable digital interface with TOUCH keys
- Integration through Solar Thermal energy (-PCV37 model) or through a heating element (up to 75 °C) on all models
- Integration with Photovoltaic Solar system

Intuitive controls

A very simple and intuitive display

› White backlit LEDs to control temperature and features
› **Red** backlit LEDs for alarm warnings
› The 4 side TOUCH keys turn Daikin Altherma M HW on/off (⏻);
keys to browse through the MENU (**SET**) and increase (**+**) or decrease (**-**) settings



Fan mode
Air recirculation only
Daikin Altherma M HW only works in ventilation mode. The heat pump and additional heater are off.



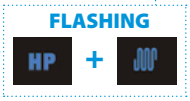
Eco mode
Reneable energy only
Daikin Altherma M HW only works in heat pump mode. The additional heater turns on as a support only if the outdoor temperature is outside the operating range (setpoint 62 °C).

Electric mode
Electrical energy only
Daikin Altherma M HW only works with the additional heater. Set point can be up to 75 °C.

Auto mode
Renewable energy as the preferred option
Daikin Altherma M HW works in heat pump mode by default. The additional heater turns on as a support only if the tank temperature increase is too slow (>4 °C/30 min). Or the outdoor temperature is outside the operating range (setpoint 62 °C).



Boost mode
Combined use of renewable and electrical energy
Daikin Altherma M HW simultaneously operates as a heat pump and with the additional heater.
Setpoint can be up to 75 °C.

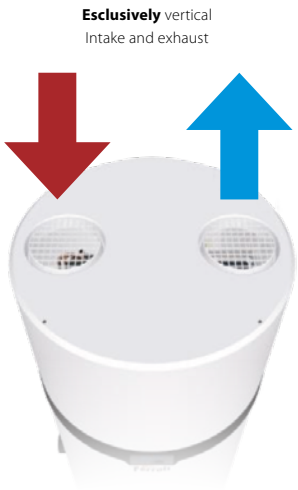


Specifications

Type	Volume (l)	Capacity	Dimensions (mm)	Optimisation from Photovoltaic	Integrated Solar Thermal Control	Legionella Control Sanitisation	Time slot-based operation	OFF PEAK feature	Defrosting on	Holiday Mode
EKHHE-CV37	200		628 x 628 x 1,607	•	–	•	•	•	•	•
	260		628 x 628 x 1,892	•	–	•	•	•	•	•
EKHHE-PCV37	200		628 x 628 x 1,607	•	•	•	•	•	•	•
	260		628 x 628 x 1,892	•	•	•	•	•	•	•
EKHLE-CV3	200		628 x 628 x 1,607	•	–	•	•	•	–	•
	260		628 x 628 x 1,892	•	–	•	•	•	–	•

Installation

Daikin Altherma M HW can be installed in any room, including non-heated ones like garages and laundry rooms, and does not require any special work, except for the holes for the air intake and exhaust pipes.



Some installation methods

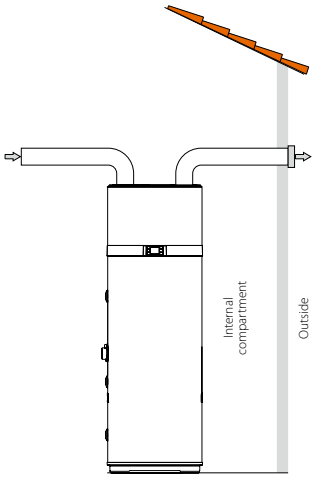


Fig. 1 - Example of air discharge connection

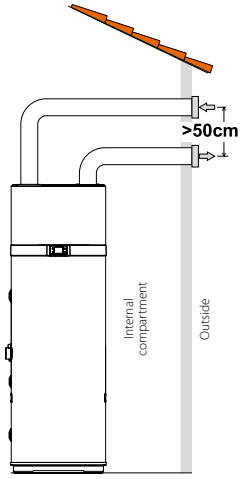


Fig. 2 - Example of air discharge connection

The heat pump requires suitable air ventilation. A suggested method for a designated air duct is provided in Fig. 1. Plus, it is essential to guarantee suitable ventilation in the room where the appliance is installed.

An alternative solution is provided in the picture on the right (Fig. 2): it involves additional ducting that draws air from outdoors, rather than directly from indoors.

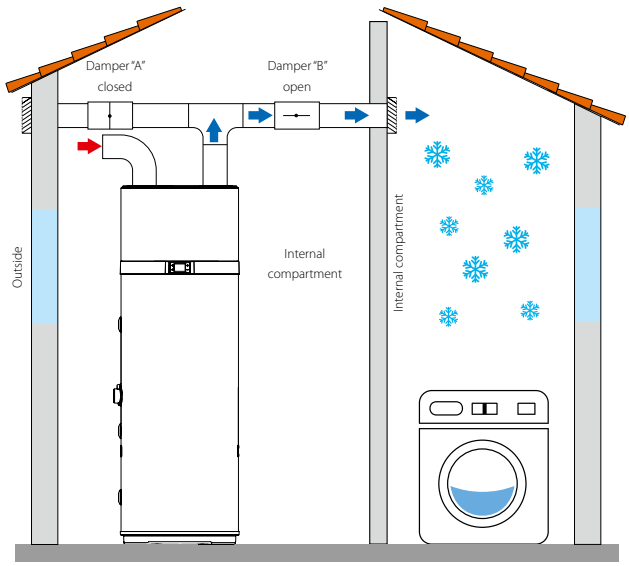


Fig. 3 - Example of installation in summer

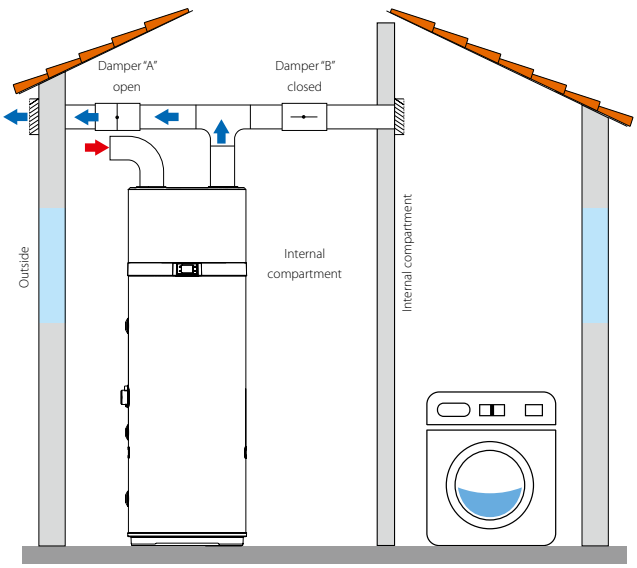


Fig. 4 - Example of installation in winter

One of the unique features of heat-pump heating systems is the fact that these units considerably reduce the temperature of the air, which is usually ejected outdoors. As well as being colder than the air in the room, the ejected air is also completely dehumidified, which is why the airflow can be conveyed back into the home to cool specific areas or rooms in summer. Installation involves doubling the exhaust pipe, on which two dampers ("A" and "B") are applied to convey the airflow either outside (fig. 3) or inside the house (fig. 4).

Daikin Altherma M HW Second Generation

› Available in wall mounted (200-260 L)
› Compact modern design
› Anti-legionella cycle
› Scheduled operation
› Integrated solar thermal control (EKHHE-PCV37)
› Suitable for warm climate (EKHLE-CV3)



EKHHE200CV37

A+

More details and final information can be found by scanning or clicking the QR codes.

EKHHE-CV37 EKHHE-PCV37 EKHLE-CV3

Indoor unit				EK	HHE200CV37	HHE260CV37	HHE200PCV37	HHE260PCV37	HLE200CV3	HLE260CV3
Heat up time	Max.			hh:mm	06:27	09:29	06:27	09:29	07:16	09:44
COP					3.23	3.37	3.23	3.37	4.32	4.32
Domestic hot water	Output	Nom		kW	1.34	1.25	1.34	1.25	1.60	
Equivalent hot water	Max			l	247	340	241	335	247	340
Dimensions	Unit	Height		mm	1,607	1,892	1,607	1,892	1,607	1,892
		Diameter		mm	Top: 621, Bottom: 628					
Weight	Unit	Empty		kg	85	97	96	106	86	98
Installation place					Indoor					
IP class					IP24					
Refrigerant	Type				R-134a					
	GWP				1,430					
	Charge			TCO2Eq	1.43					
	Charge			kg	1					
Heat pump	Casing	Colour			White					
	Defrost method				Hot gas				-	-
	Automatic defrost start			°C	-5				-	-
	System pressure	Max.		bar	7					
	Operation range	Ambient	Min.	°CDB	-7				4	
			Max.	°CDB	43					
	Power supply	Phase			1					
		Frequency		Hz	50					
		Voltage		V	230					
		Maximum running current		A	8.5				8.2	
Tank	Integrated heating element power	Nom.		kW	1.5					
	Casing	Material			Enamelled steel					
	Installation	Solar thermal connection possible			-	-	Yes	Yes	-	-
	Standing heat loss			W	63	71	63	71	63	70
	Power supply	Phase			1					
		Frequency		Hz	50					
		Voltage		V	230					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Water heating energy efficiency class			A+					
		Thermostat temperature setting		°C	55					
	Average climate	AEC (Annual electricity consumption)		kWh	761	1,210	761	1,210	883	1,315
		ηwh (water heating efficiency)		%	135	138	135	138	116	127
	Cold climate	AEC (Annual electricity consumption)		kWh	944	1,496	944	1,496	883	1,315
	Warm climate	AEC (Annual electricity consumption)		kWh	631	1,046	631	1,046	883	1,315
Sound power level	Domestic hot water heating			dBA	53	51	53	51	52	

This product contains fluorinated greenhouse gases.

reddot award 2018 winner

DESIGN AWARD 2018

Daikin Altherma 3 GEO

Top performance even in coldest climate



The Daikin Altherma ground source heat pump uses geothermal energy and Daikin's inverter heat pump technology to deliver heating and hot water in all climates.

Space heating

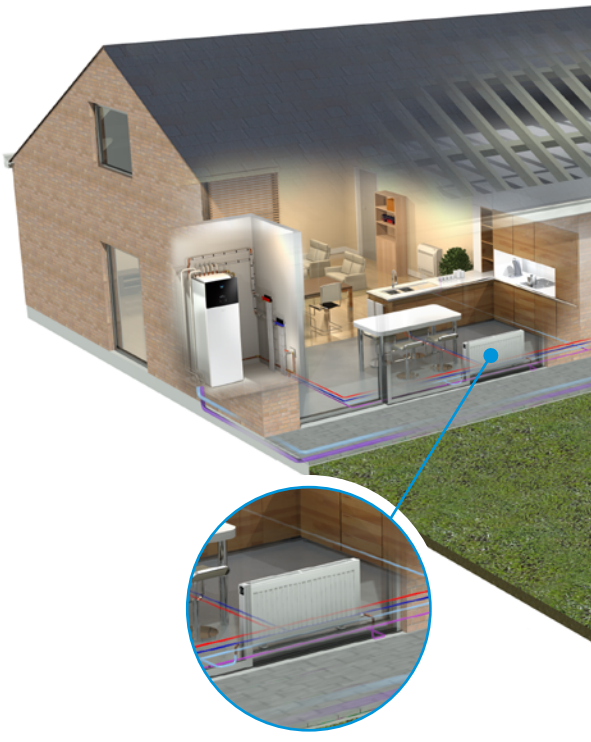
During winter

Space cooling

Active cooling with high efficiency

Domestic hot water production

Integrated 180 L stainless steel tank



Leaving water temperature up to 65 °C, so the unit can work with underfloor heating, heat pump convectors but also with radiators.

Renovation and new build

Suitable for renovation: thanks to a high water temperature of 65 °C output, the unit fits with classic radiators.

Suitable for new build: the Daikin Altherma 3 GEO is also combinable with fan coils and underfloor piping.

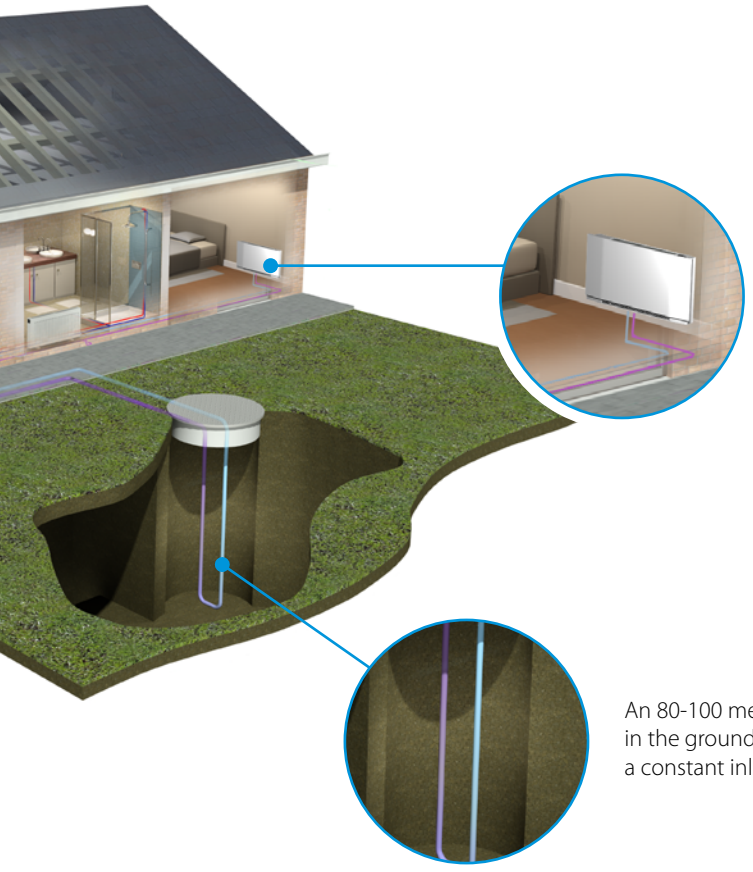
Electricity savings

The continuous inverter operation allows a high modulation range down to 0.85kW, avoiding the unit to use more electricity to stop and start.



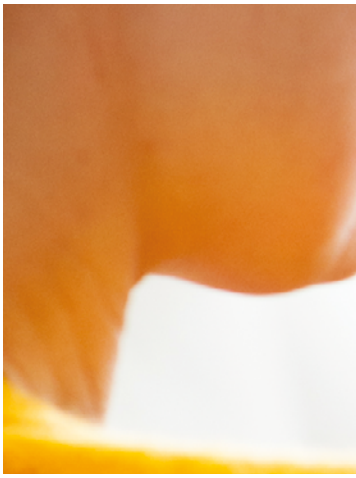
BLUEVOLUTION

Bluevolution technology using R-32, environmentally friendly refrigent with a lower GWP, reducing its CO_2 equivalent by 70% compared to its predecessor R-410A.



Daikin Altherma HPC provides heating or cooling for living rooms.

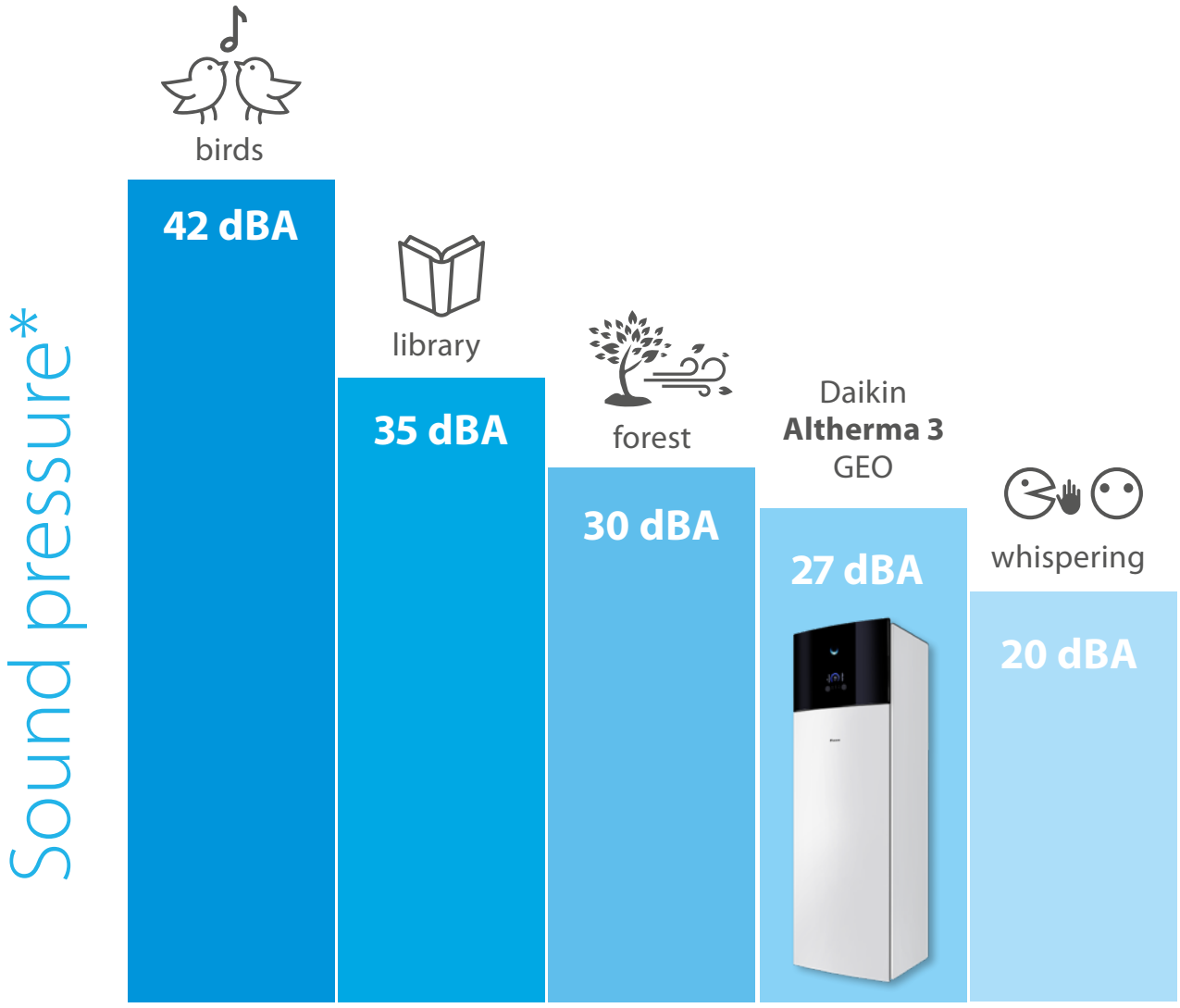
An 80-100 metre borehole in the ground creates a constant inlet temperature.



Care for peace of mind

The Daikin Altherma 3 GEO is designed to perform the best efficiencies in what matter the most: quietness and connectivity.

Extremely quiet operation



*at 1 meter.

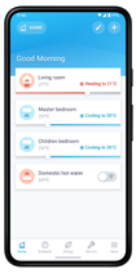


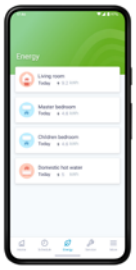
Built-in connectivity

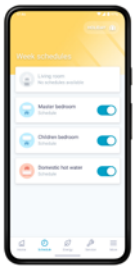
Control your home climate from any place, at any time

Onecta App

Always in control. Control your climate from any place, at any time.


Control


Monitor


Schedule

- Monitor the status of your heating system
- Control the operation mode and set temperature
- Schedule the set temperature and operation mode
- Control your heating system with your voice

Madoka wired remote controller for Daikin Altherma

A new generation of user interface, designed and intuitive.

- ☑ Intuitive control with a premium design
- ☑ Three colors to match any interior design
- ☑ Easily set operation parameters



BRC1HHDW



BRC1HHDS



BRC1HHDK



Groundbreaking innovation

Quick and easy installation thanks to factory-fitted piping on top of the unit, pre-cabled electrical connections and reduced overall weight.

All pipe connections on top, paired in and out



Standard electrical connections pre-cabled



Can easily be installed in confined spaces thanks to a small footprint and integrated handles



Advanced
user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.



Blue

When the Daikin Eye indicates a blue colour, it means the heat pump is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

Red

When the Daikin Eye indicates a red colour, it means the heat pump is out of commission and requires a maintenance check.

Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit.

Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The user interface was especially designed to be very intuitive.
The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.



Removable compressor module, reducing the overall weight by 70 kg



Daikin Altherma 3 GEO

Ground source heat pump for **heating, cooling & hot water**

- Top-level seasonal efficiency thanks to our inverter heat pump technology providing the highest savings on running costs
- Delivering temperatures up to 65 °C at high efficiency, the R-32 Daikin Altherma 3 GEO is suitable for underfloor heating/cooling, fan coils and radiators
- Integrated indoor unit: all-in-one floor standing unit including the stainless steel domestic hot water tank saves space and installation time
- The unit has a similar footprint when compared to other household appliances
- Reversible heat pump, allowing heating and cooling


EGSAH-D9W


BRC1HHDW

up to A+++ A+ 65 °C R-32

011-1W0337
011-1W0338

More details and final information can be found by scanning or clicking the QR codes.

EGSAH-D9W EGSAX-D9W

Indoor Unit					EGSA	H06D9W	X06D9W	H10D9W	X10D9W
Heating capacity	Min.				kW	0.85			
	Nom.				kW	3.35		5.49	
	Max.				kW	7.98		9.55	
Power input	Nom.				kW	0.74		1.17	
COP						4.51		4.70	
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)		%	141	143	152	154
			Seasonal space heating eff. class			A++		A+++	
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)		%	195	199	197	200
			Seasonal space heating eff. class			A+++			
Domestic hot water heating	General	Declared load profile				L			
	Average climate	ηwh (water heating efficiency)			%	117			
		Water heating energy efficiency class				A+			
Space cooling	Medium temperature application	General	SEER			-	15	-	15
			Pdesign		kW	-	8	-	8
	Low temperature application	General	SEER			-	14	-	14
			Pdesign		kW	-	8	-	8
Casing	Colour					White or Silver-grey			
	Material					Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth			mm	1,891x597x666			
Weight	Unit				kg	222			
Tank	Water volume				l	180			
	Insulation	Heat loss			kWh/24h	1.20			
	Corrosion protection					Pickling			
Operation range	Installation space		Min. ~ Max.		°C	5 / 35			
	Brine side		Min. ~ Max.		°C	-10 / 30			
	Heating	Water side	Min. ~ Max.		°C	5 / 65			
	Domestic hot water	Water side	Min. ~ Max.		°C	25 / 60			
Refrigerant	Type					R-32			
	GWP					675			
	Charge				kg	1.70			
	Charge				TCO_2Eq	1.15			
Sound power level	Nom.				dBA	39		41	
Sound pressure level at 1 meter	Nom.				dBA	27		29	
Power supply	Name/Phase/Frequency/Voltage				Hz/V	3 ~ /50/400 or 1 ~ /50/230			
Current	Recommended fuses				A	3P 16A or 1P 32A			

This product contains fluorinated greenhouse gases.

Options

	Type	Material name
Controls	Remote user interface	BRC1HHDAK/S/W
	Room thermostat (wired)	EKRTWA
	Room thermostat (wireless)	EKRTR1
	Cascade control	EKCC8-W
	Gateway	DCOM-LT/IO
	Gateway	DCOM-LT/MB
Adapter	Demand PCB	EKRP1AHTA
	Digital I/O PCB	EKRP1HBAA
Sensor	Remote indoor sensor	KRCS01-1
	External sensor	EKRTETS
	Reduce power limiation sensor	EKCSENS
Others	PC cable	EKPCCAB4
	Ground source filling kit	KGSFILL2
	Separate power supply BUH	EKGSPOWCAB
	Magnetic filter Fernox	K.FERNOXTF1
	Magnetic filter Fernox	K.FERNOXTF1FL

Daikin Altherma

Hybrid heat pump



Why choose a Daikin Altherma Hybrid heat pump?

The Daikin Altherma Hybrid heat pump is the ideal solution to replace your old gas boiler.

Comfort

Heating

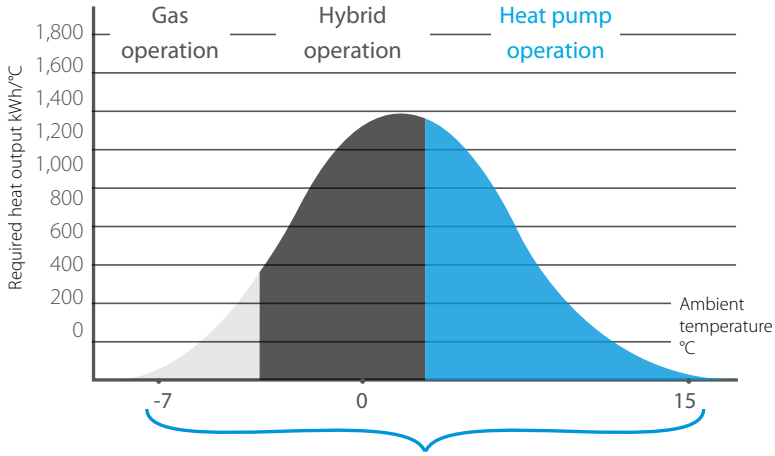
A Daikin Altherma Hybrid heat pump automatically determines the most economic and energy efficient heating combination.

› **Heat pump operation:** the best available technology for optimising running costs at moderate outdoor temperatures

› **Hybrid operation:** both the gas boiler and heat pump operate simultaneously to deliver the ultimate comfort for your customer

› **Gas operation:** when outdoor temperatures drastically drop, the unit will automatically switch to gas operation mode

Illustration of an average European climate

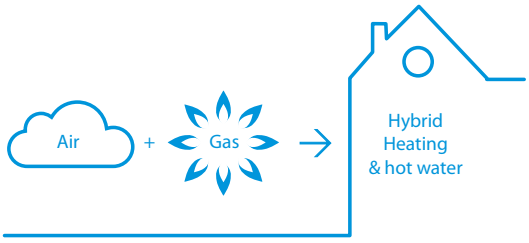


+ 35% efficiency
(space heating) compared to condensing boiler

› Heat load: 14 kW
› 70% heat pump output
› 30% gas boiler output

Heat load = the capacity of the space heating system required to maintain comfortable indoor temperatures at any time

Required heat output = heat load x n° of occuring hours per year



Hot water

The gas condensing boiler's dual heat exchanger increases hot water efficiency by up to 15% when compared with traditional gas boilers.

Cooling

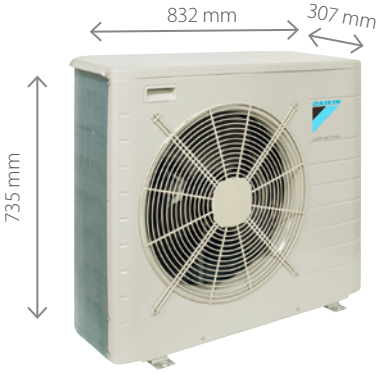
Incorporate cooling for a total solution that provides all year round comfort.

Quick and easy installation

As the heat pump indoor unit and gas condensing boiler are delivered as separate units, they are easier to handle, operate and install.

Investment benefits

› Combines with existing radiators; reducing the cost and disruption of installations
› Coverage of heat loads up to 27 kW makes this unit ideal for renovation applications
› Possible to connect to photovoltaïc solar panels to optimise self-consumption of the electiricy produced



Heat pump outdoor unit


Heat pump indoor unit

A++

Energy efficiency

The ideal combination

Depending on the outdoor temperature, energy prices and the internal heat load, the Daikin Altherma Hybrid heat pump smartly chooses between the heat pump and/or the gas boiler, possibly in simultaneous operation, and always selects the most economic operation mode.

Supported by renewable energy

When working in heat pump mode, the system is powered by renewable energy extracted from the air and can achieve up to **A++ energy efficiency**.

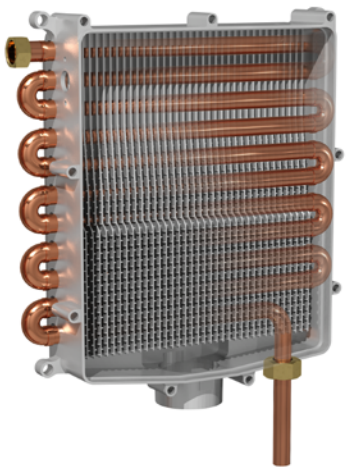
Hot water produced with gas condensing technology

Unique dual heat exchanger increases efficiency up to 15% compared to traditional gas boilers.

› Cold tap water flows directly into the heat exchanger
› Optimal and continuous condensing of the flue gases during domestic hot water preparation

Reliability

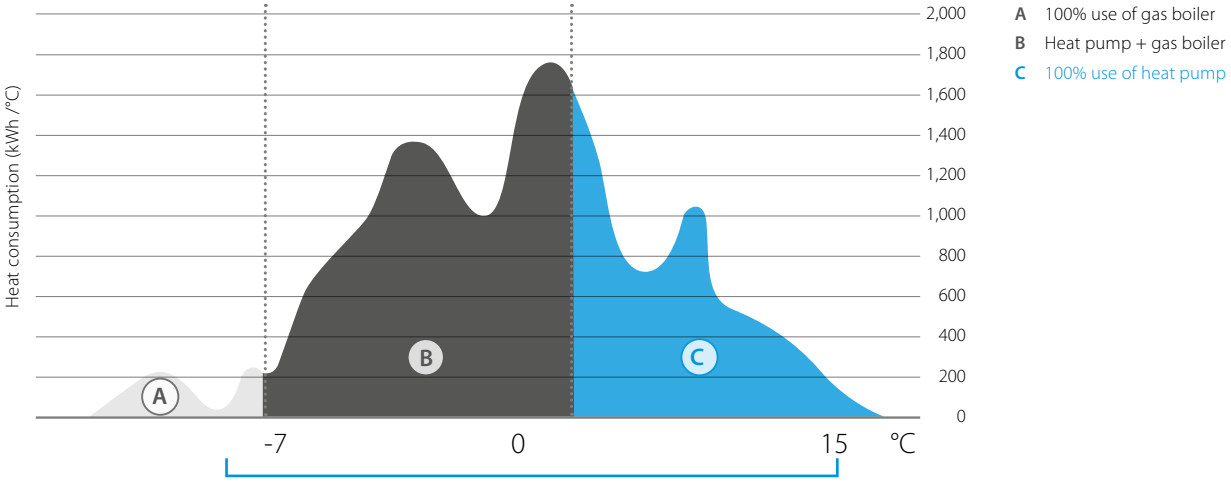
› Low investment cost with no need to replace existing piping and radiators
› Low running costs for heating and domestic hot water
› Compact dimensions
› Ideal for renovation applications
› Easy and fast installation



Case study

Replacing a gas boiler with a Daikin Altherma Hybrid heat pump means saving on running costs for both space heating and domestic hot water supply.

A running costs comparison is made below based on parameters for a typical Belgian winter. As a result of the Hybrid principle, the most cost-efficient operation will be used no matter the ambient outdoor temperature.



A 100% use of gas boiler
B Heat pump + gas boiler
C 100% use of heat pump

+35% efficiency (space heating) compared to existing condensing gas boiler

	Daikin altherma Hybrid heat pump	New gas condensing boiler	Existing gas condensing boiler
		Space heating	
Energy supplied by HP	12,800 kWh		
HP efficiency	3.64 Scop		
Energy supplied by gas boiler	6,700 kWh	19,500 kWh	19,500 kWh
Space heating efficiency	90%	90%	75%
Running costs	1,220 €	1,520 €	1,820 €
		DHW HEATING	
Energy supplied by gas boiler*	3,000 kWh	3,000 kWh	3,000 kWh
DHW heating efficiency*	90%	80%	65%
Running costs*	230 €	260 €	320 €
		TOTAL	
Running costs	1,450 €	1,780 €	2,140 €

* for combi-boiler, no separate domestic hot water tank

Conditions

Heat load	16 kW
Design temperature	-8 °C
Space heating off temperature	16 °C
Maximum water temperature	60 °C
Minimum water temperature	38 °C
Gas price	0.070 €/kWh
Electricity price (day)	0.237 €/kWh
Electricity price (night)	0.152 €/kWh
Total space heating requirement	19,500 kWh
Total DHW heating requirement (4 persons)	3,000 kWh

Yearly savings: for space heating and domestic hot water

-19% versus new gas condensing boiler **330 €/year**

-32% versus existing gas condensing boiler **690 €/year**

Daikin Altherma R Hybrid

Hybrid technology combining condensing **gas and air to water** heat pump **for heating and hot water**

- Heating only + heating and cooling models
- Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma Hybrid heat pump always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80 °C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32 kW
- Easy and fast installation thanks to the compact dimensions and quick interconnections



011-1W0313
011-1W0314

A++ A 55 °C R-410A

More details and final information can be found by scanning or clicking the QR codes.

EHYHBH-AV32 EHYHBX-AV3 EVLQ-CV3

Efficiency data					**EHYHBH05AV32 + EVLQ05CV3**	**EHYHBH08AV32 + EVLQ08CV3**	**EHYHBX08AV3 + EVLQ08CV3**
Space heating	Average climate water outlet 55 °C	General	SCOP		3.28	3.24	3.29
			ηs (Seasonal space heating efficiency)	%	128	127	129
			Seasonal space heating eff. class		A++		
Domestic hot water heating	General	Declared load profile			XL		
	Average climate	ηwh (water heating efficiency)		%	83.80		
		Water heating energy efficiency class			A		
	Nom.			kW	4.40 (1) / 4.03 (2)	7.40 (1) / 6.89 (2)	7.40 (1) / 6.89 (2)
Cooling capacity	Nom.			kW	-		6.86 (1) / 5.36 (2)
Power input	Heating	Nom.		kW	0.870 (1) / 1.13 (2)	1.66 (1) / 2.01 (2)	1.66 (1) / 2.01 (2)
	Cooling	Nom.		kW	-		2.01 (1) / 2.34 (2)
COP					5.04 (1) / 3.58 (2)	4.45 (1) / 3.42 (2)	4.45 (1) / 3.42 (2)
EER					-		3.42 (1) / 2.29 (2)

Indoor unit (Hydrobox & Boiler)					**EHYHBH05AV32**	**EHYHBH08AV32**	**EHYHBX08AV3**	**EHYKOMB33AA2**	**EHYKOMB33AA3**
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	-			6.20 / 7.60 / 7.60 /22.10 / 27 / 27	
	Output Pn at 80/60 °C	Min/Nom		kW	-			6.70 / 8.20 / 8.20 / 21.80 / 26.60 / 26.60	
	Efficiency	Net calorific value		%	-			98 / 107	
	Operation range	Min/Max		°C	-			15 /80	
Domestic hot water	Output	Min/Nom		kW	-			7.60 / 32.70	
	Water flow	Rate	Nom	l/min	-			9 / 15	
	Operation range	Min/Max		°C	-			40/65	
Gas	Connection	Diameter		mm	-			15	
	Consumption (G20)	Min/Max		m^3/h	-			0.78 / 3.39	
	Consumption (G25)	Min/Max		m^3/h	-			0.90 / 3.93	
	Consumption (G31)	Min/Max		m^3/h	-			0.30 / 1.29	
Supply air	Connection			mm	-			100	
	Concentric				-			1	
Flue gas	Connection			mm	-			60	
Casing	Colour				White			White - RAL9010	
	Material				Precoated sheet metal			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	902x450x164			710x450x240	
Weight	Unit	Empty		kg	30	31.20		36	
Power supply	Phase/Frequency/Voltage			Hz/V	-			1 ~ /50/230	
Electrical power consumption	Max.			W	-			55	
	Standby			W	-			2	
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 25			-	
		Water side	Min. ~ Max.	°C	25 ~ 55			-	
	Cooling	Ambient	Min. ~ Max.	°CDB	- ~ -		10 ~ 43	-	
		Water side	Min. ~ Max.	°C	- ~ -		5 ~ 22	-	

Outdoor unit				**EVLQ05CV3**	**EVLQ08CV3**
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307	
Weight	Unit		kg	54	56
Compressor	Quantity			1	
	Type			Hermetically sealed swing compressor	
Operation range	Heating	Min. ~ Max.	°CWB	-25 ~ 25	
Refrigerant	Type			R-410A	
	GWP			2,088	
	Charge		kg	1.50	1.60
	Charge		TCO_2Eq	3	3.30
	GWP			2,088	
Sound power level	Heating	Nom.	dBA	61	62
Sound pressure level	Heating	Nom.	dBA	48	49
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1 ~ /50/230	
Current	Recommended fuses		A	16	20

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Condition: Ta DB/WB 7 °C/6 °C - LWC 45 °C (Dt=5 °C) (3) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C).
(4) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Daikin Altherma R Hybrid

+ multi



The Daikin Altherma Hybrid heat pump can also be combined with an air-to-air multi system to provide optimal cooling. Easily installed and managed via an app on a smartphone or tablet, the Daikin Altherma Hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.

Multi features

- ☑ Equipped with Bluevolution technology
- ☑ 3, 4 and 5 ports for multi outdoor units
- ☑ Combinable with different Split & Sky Air indoor units:
  One port can be used for hot water production

Control with Onecta App

	CHYHBH-A		CTXA-AW/BS/BT/BB	FTXA-AW/BS/BT/BB					FTXJ-AW/S/B						CTXM-R				FTXM-R							FTXP-M9			CVXM-A	FVXM-A			FVXM-F				FCAG-B			FFA-A9				FBA-A9			FDXM-F9				FNA-A9				FHA-A9		
	05	08	15	20	25	35	42	50	20	25	35	42	50	15	20	25	35	42	50	60	71	20	25	35	20	25	35	50	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60	25	35	50	60	35	50	60
3MXM52A	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	●		●	●	●		●	●	●		●	●	
3MXM68A	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM68A	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM80A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXM90A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

More details and final information can be found by scanning or clicking the QR codes.

CHYHBH-AV32

EHYKOMB-AA2

EHYKOMB-AA3

Efficiency data					**CHYHBH05AV32 /3MXM52A**	**CHYHBH05AV32 /3MXM68A**	**CHYHBH05AV32 /4MXM68A**	**CHYHBH05AV32 /4MXM80A**	**CHYHBH08AV32 /4MXM80A**	**CHYHBH05AV32 /5MXM90A**	**CHYHBH08AV32 /5MXM590A**
Heating capacity	Nom.			kW	4.41 (1)	4.50 (1)			6.78 (1)	4.50 (1)	6.78 (1)
COP					4.49 (1)	3.91 (1)		4.04 (1)	4.17 (1)	4.04 (1)	4.17 (1)
Pump					51.80 (1)						
Seasonal efficiency	Domestic hot water heating	General	Declared load profile		XL						
		Average climate	ηwh (water heating efficiency)	%	96						
Water heating energy efficiency class					A						

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C), boiler bypassed

Indoor Unit (Hydrobox)					**CHYHBH05AV32**	**CHYHBH08AV32**
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	902x450x164	
Weight	Unit			kg	30	
Operation range	Heating	Ambient	Min. ~ Max.	°C	-15 ~ 24	
		Water side	Min. ~ Max.	°C	25 ~ 50	

Indoor unit (Boiler)					**EHYKOMB33AA2/AA3**
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	6.20 / 7.60 / 7.60 /22.10 / 27 / 27
	Output Pn at 80/60°C	Min/Nom		kW	6.70 / 8.20 / 8.20 /21.80 / 26.60 / 26.60
	Efficiency	Net calorific value		%	98 / 107
	Operation range	Min/Max		°C	15 / 80
Domestic hot water	Output	Min/Nom		kW	7.60 / 32.70
	Water flow	Rate	Nom	l/min	9 / 15
	Operation range	Min/Max		°C	40 / 65
Gas	Connection	Diameter		mm	15
	Consumption (G20)	Min/Max		m^3/h	0.78 / 3.39
	Consumption (G25)	Min/Max		m^3/h	0.90 / 3.93
	Consumption (G31)	Min/Max		m^3/h	0.30 / 1.29
Supply air	Connection			mm	100
	Concentric				1
Flue gas	Connection			mm	60
Casing	Colour				White - RAL9010
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	710x450x240
Weight	Unit	Empty		kg	36
Power supply	Phase/Frequency/Voltage			Hz/V	1 ~ /50/230
Electrical power consumption	Max.			W	55
	Standby			W	2

This product contains fluorinated greenhouse gases.

Options

		Type	Material name
Controllers		LAN adapter	BRP069A62
		LAN adapter + PV solar connection	BRP069A61
		Remote user interface (DE, FR, NL, IT)	EKRUCBL1
		Remote user interface (EN, ES, EL, PT)	EKRUCBL3
		Remote user interface (EN, SV, NO, FI)	EKRUCBL2
		Remote user interface (EN, TR, PL, RO)	EKRUCBL4
		Remote user interface (DE, CS, SL, SK)	EKRUCBL5
		Remote user interface (EN, HR, HU, BG)	EKRUCBL6
		Remote user interface (EN, DE, RU, DA)	EKRUCBL7
		Simplified user interface	EKRUCBSB
		Room thermostat (wired)	EKRTWA
		Room thermostat (wireless)	EKRTR1
		Heat meter (EHYHBH* only)	K.HEATMET
		DCOM gateway	DCOM-LT/IO
		DCOM gateway	DCOM-LT/MB
Drain		Drain pan for reversible H/B	EKHYDP1
Installation		Cover plate 35	EKHY093467
		Installation jig	EKHYMNT1
Sensor		External sensor	EKRTETS
Valve		Valve kit for connection to 3rd party tank with built-in thermotat	EKHY3PART2
		Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART
Propane set		Propane set	EKHY075787

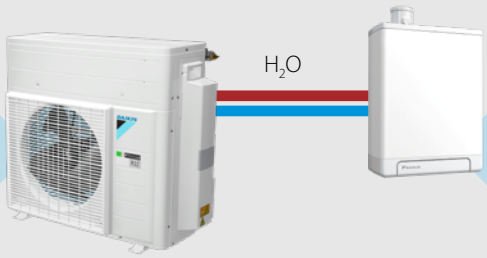
	Type	Material name
Flue gas connections	Adapter Flex-Fixed PP 100	EKFGP6316
	Adapter Flex-Fixed PP 130	EKFGS0252
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 80/125	EKFGP4828
	Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
	Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
	Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
	Concentric connection Ø 80/125	EKHY090717
	Connector Flex-Flex PP 100	EKFGP6325
	Connector Flex-Flex PP 130	EKFGP6366
	Connector Flex-Flex PP 80	EKFGP6324
	Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
	Eccentric connnection Ø 80	EKHY090707
	Elbow PP/ALU 80/125 90°	EKFGP4810
	Elbow PP/GLV 60/100 30°	EKFGP4664
	Elbow PP/GLV 60/100 45°	EKFGP4661
	Elbow PP/GLV 60/100 90°	EKFGP4660
	Elbow PP/GLV 80/125 30°	EKFGP4814
	Elbow PP MB-AIR 80 90°	EKFGW4085
	Elbow PP BM-AIR 80 45°	EKFGW4086
	Extension Flex PP 100 l=10 M	EKFGP6346
	Extension Flex PP 100 l=15 M	EKFGP6349
	Extension Flex PP 100 l=25 M	EKFGP6347
	Extension Flex PP 130 l=30 M	EKFGS0250
	Extension Flex PP 80 l=10 M	EKFGP6340
	Extension Flex PP 80 l=15 M	EKFGP6344
	Extension Flex PP 80 l=25 M	EKFGP6341
	Extension Flex PP 80 l=50 M	EKFGP6342
	Extension PP 60 x 500	EKFGP5461
	Extension PP/GLV 60/100 x 1,000 mm	EKFGP4652
	Extension PP/GLV 60/100 x 500 mm	EKFGP4651
	Extension PP/GLV 80/125 x 10,000 mm	EKFGP4802
	Extension PP/GLV 80/125 x 500 mm	EKFGP4801
	Extension P BM-Air 80 x 500	EKFGW4001
	Extension P BM-Air 80 x 1,000	EKFGW4002
	Extension P BM-Air 80 x 2,000	EKFGW4004
	Filling loop set	EKFL1AA
	Flex 100-60 + Support Elbow	EKFGP6354
	Flex 130-60 + Support Elbow	EKFGS0257
	Flex Kit PP Dn.60-80	EKFGP1856
	Flex Kit PP Dn.8	EKFGP2520
	Flue Deflector 60 (UK Only)	EKFGP1295
	Flue gas non-return flap	EKFGF1A
	Gas conversion kit from G20 to G25	EKPS076227
	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
	Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
	Plume Managment Kit 60 (UK Only)	EKFGP1294
	PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
	PMK Elbow 60 90 (UK Only)	EKFGP1284
	PMK Extension 60 l=1,000 incl. breaket (UK Only)	EKFGP1286
	Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
	Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
	Spacer PP 80-100	EKFGP6333
	Support Breaket Top Inox Dn.100	EKFGP6337
	Support Breaket Top Inox Dn.130	EKFGP6353
	Tee Flex 100 Boiler Connection set 1	EKFGP6368
	Tee Flex 130 Boiler Connection set 1	EKFGP6215
	Thermistor recirculator	EK TH2
	Wall Bracket Dn.100	EKFGP4481
	Wall Bracket Dn.100	EKFGP4631
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
	Wall Terminal Kit PP/GLV 60/100	EKFGP2978
	Wall Terminal Kit PP/GLV 60/100	EKFGP1292
	Wall Terminal Kit PP/GLV 80/125	EKFGW6359
	Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
	Weather Slate Flat Alu 60/100	EKFGP6940
	Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
	Weather Slate Flat Alu 80/125	EKFGW5333
	Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
	Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
	Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
	Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
	Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
	Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
	Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
	Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
	Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
	Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
	Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
	Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
	Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
	Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
	Wall term Mugro STD 60/100 Telescopic	DRWTERT60100AA



Daikin Altherma H Hybrid

The best of 2 worlds

Heat pump



Condensing boiler

Environmentally friendly

› Reduced environmental impact thanks to the usage of **R-32 refrigerant**

› Outdoor unit with **sealed refrigerant circuit**, which greatly reduces the risk of refrigerant leakage



Easy & Quick installation

All hydraulics components are outside.



No F-gas licence required

Only water connections between outdoor and indoor unit. Therefore no F-gas certification is needed for the installer.

Safety in every conditions

The unit can work down to -15 °C outside thanks to multiple freeze-up protections



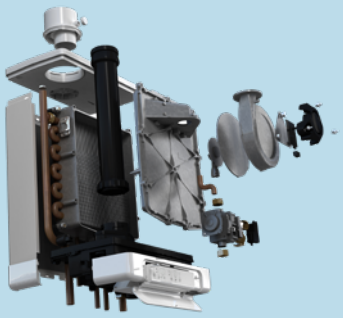
Flexible installation

Compact indoor unit can be installed in a cupboard.



Condensing technology

The condensing technology uses optimum fuel efficiency, with reduced emissions of NOx and CO, to ensure high cost savings and environmentally-friendly operation.



Plug & play

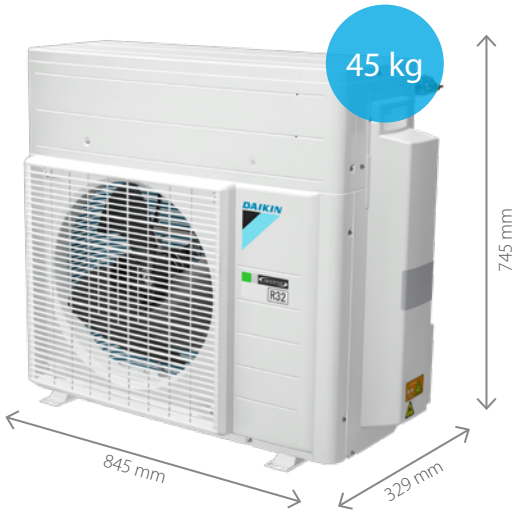
No need of other parts, the pump group is integrated inside.

BLUEVOLUTION

The Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

Installation possibilities

The Daikin Altherma H Hybrid is made of an outdoor unit of 4 kW



The Daikin Altherma H Hybrid is made of a boiler of 28 or 32 kW



For more domestic hot water production, you can combine the Daikin Altherma H Hybrid with multiple tank options:

Pressureless tanks with solar support

Connect your unit to a ECH_2O thermal store and take advantage of the energy of the sun.



EKHWP-(P)B
300 LT or 500 LT

EKS(H/V)-P

Pressurized tanks

Connect your unit with our full range of stainless steel tanks to answer all needs.



EKHWS(P)-D3V3
from 150 LT up to 300 LT

Controllers

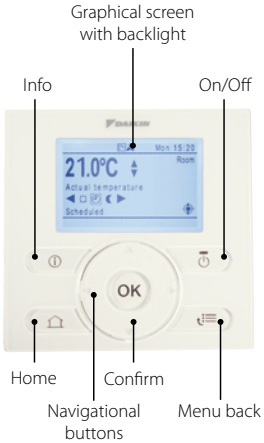
EKRUHML1/2

Control

- Manage space heating and domestic hot water and among others, booster mode
- User-friendly remote control with contemporary design
- Easy to use with direct accessibility to all main functions

Comfort

- An additional user interface can include a room thermostat in the space to be heated
- Easy commissioning: intuitive interface for advanced menu settings



Onecta App

The Onecta App is a multifaceted programme that allows customers to control and monitor the status of their heating system.

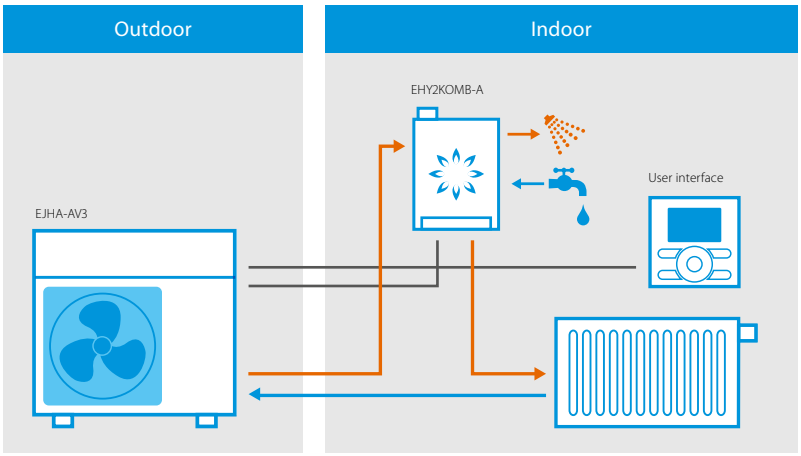


Control your heating system with your voice

Applications

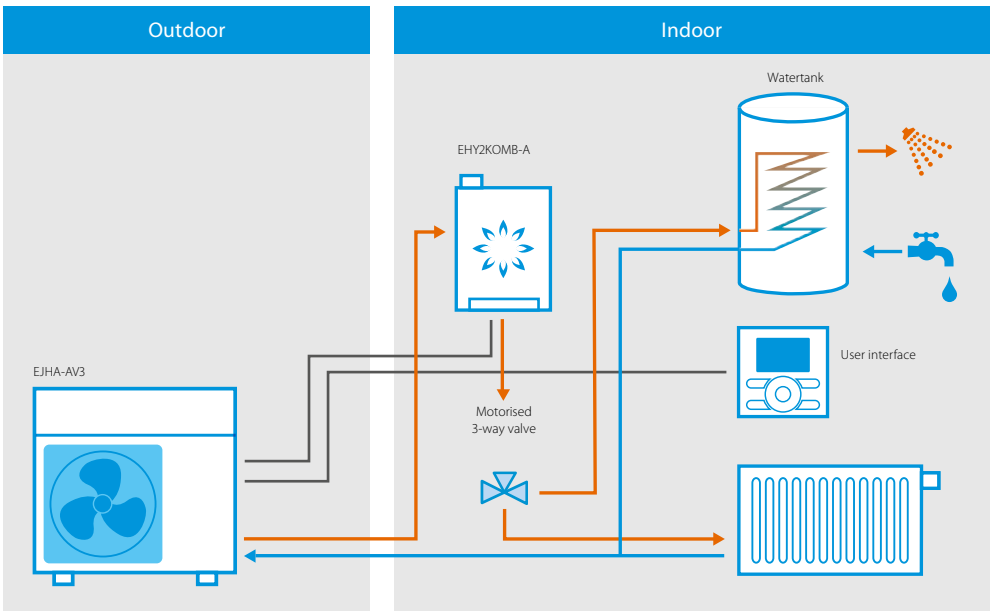
1. Standard Hybrid operation

With this application, the system works in a perfect balance between the gas boiler and the heat pump to provide space heating and domestic hot water. Here, the boiler is able to heat directly the water without a tank.



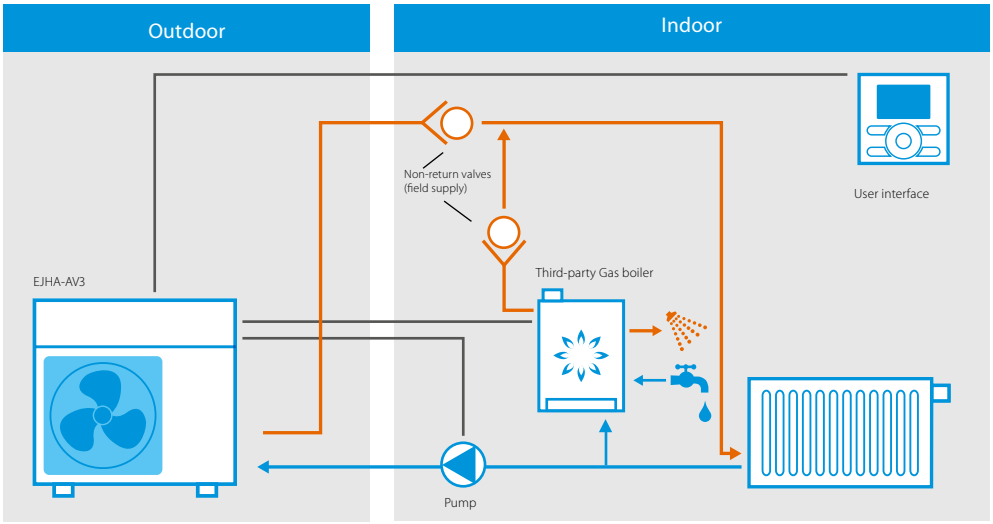
1.1 Standard Hybrid operation with a tank

In this application, a domestic hot water tank can be added if the system needs to provide high quantity of domestic hot water produced either by the heat pump or by the boiler.



2. Add-on operation

Daikin Altherma H Hybrid outdoor unit can be combined with an existing boiler. In such application, the system works in bivalent operation, meaning that this is strictly the heat pump or the boiler that is providing the required heat while in the standard applications, both can work at the same time.



Daikin Altherma H Hybrid

Hybrid technology combining condensing gas and air to water heat pump for **heating and hot water**

- Heating only models
- Depending on outdoor temperature, energy prices and internal heat load, the Daikin Altherma H Hybrid always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80 °C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32 kW
- Easy and fast installation thanks to the compact dimensions and water connections

011-1W0293

More details and final information can be found by scanning or clicking the QR codes.

EHY2KOMB-A

EJHA-AV3



A++ A R-32

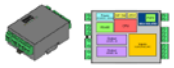
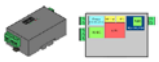
Efficiency data					EHY2KOMB28AA + EJHA04AAV3	EHY2KOMB32AA + EJHA04AAV3
Heating capacity	Nom.			kW	3.83 (1)	
Power input	Heating	Nom.		kW	0.85 (1)	
COP					4.49 (1)	
Space heating	Average climate water outlet 55 °C	General	SCOP		3.26	3.28
			ηs (Seasonal space heating efficiency)	%	128	
			Seasonal space heating eff. class		A++	
	Average climate water outlet 35 °C	General	SCOP		4.14	4.15
			ηs (Seasonal space heating efficiency)	%	163	
			Seasonal space heating eff. class		A++	
Domestic hot water heating	General	Declared load profile			XL	
	Average climate	ηwh (water heating efficiency)		%	87	
		Water heating energy efficiency class			A	

Indoor unit					EHY2KOMB28AA	EHY2KOMB32AA
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	7.10 / 23.70	7.60 / 27
	Output Pn at 80/60 °C	Nom		kW	23.10	26.60
	Efficiency	Net calorific value 80/60		%	98	99
	Efficiency	Net calorific value 37/30 (30%)		%	108	
	Operation range	Min/Max		°C	30 / 90	
Domestic hot water	Output	Min/Nom		kW	7.10 / 29.10	7.60 / 32.70
	Water flow	Rate 40/10 °C		l/min	12.50	15
	Operation range	Min/Max		°C	40 / 65	
Gas	Connection	Diameter		mm	15	
	Consumption (G20)	Min/Max		m^3/h	0.74 / 3.02	0.79 / 3.39
	Consumption (G31)	Min/Max		m^3/h	0.28 / 1.15	0.30 / 1.29
Supply air	Connection			mm	100	
	Concentric				1	
Flue gas	Connection			mm	60	
Casing	Colour				White - RAL9010	
	Material				Precoated sheet metal	
Dimensions	Unit	HxWxD	Casing	mm	650x450x240	710x450x240
Weight	Unit	Empty		kg	33	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~ /50/230	
Electrical power consumption	Max.			W	110	
	Standby			W	2	

Outdoor unit					EJHA04AAV3
Dimensions	Unit	HxWxD		mm	745x845x329
Weight	Unit			kg	45
Compressor	Quantity				1
	Type				Hermetically sealed swing compressor
Operation range	Heating	Min. ~ Max.		°CWB	-14 ~ 25
Refrigerant	Type				R-32
	GWP				675
	Charge			kg	0.56
	Charge			TCO_2Eq	0.38
Sound power level	Heating	Nom.		dBA	58.70
Sound pressure level	Heating	Nom.		dBA	37
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~ /50/220-240
Current	Recommended fuses			A	20

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Options - system

Group		Description	Material name	Pair Hybrid	Add-on Hybrid
Controllers		User interface: English – Dutch – Italian – French	EKRUHML1	•	•
		User interface: English – Dutch – Italian – German	EKRUHML2	•	•
		Gateway 1: I/O version	DCOM-LT/IO(2)	•	•
		Gateway 2: Modbus version	DCOM-LT/MB(2)	•	•
		LAN + PV Solar	BRP069A61	•	•
		LAN only	BRP069A62	•	•
		Wired room thermostat	EKRTWA	•	
		Wireless room thermostat	EKRTR1	•	
		External room sensor	EKRTETS(4)	•	
Sensor		Remote outdoor sensor	EKRSCA1(3)	•	•
Other		Thermistor kit for pressurised tanks & 3rd party tank	EKTH3	•	
		Bottom plate heater (dedicated type)	EKBPHT04JH	•	•
		Ball valves	EKBALLV1	•	•
		Add-on: pump	EKADDONJH		•
		Add-on: cable + 2 non-return valves	EKADDONJH2		•
		PC USB cable	EKPCCAB(4)	•	
		Connection kit for 3rd party tank	EKHY3PART	•	
		Connection kit for pressureless tank	EKEPHYHT35H	•	
		Freeze protection valve for field piping	AFVALVEHY2	•	•

(2) Compatible with EKRUHML user interface.
(3) Only 1 sensor can be connected: indoor OR outdoor sensor.
(4) Can only be used in combination with the wireless room thermostat EKRTR1.

Options - boiler

Accessory		Sales region	Material name	 EHY2KOMB28AA	 EHY2KOMB32AA
Boiler options		IT, ES, CZ, GR, PL, PT	EKFJM1A	•	
		IT, ES, CZ, GR, PL, PT	EKFJL1A		•
		FR, BE	EKFJM2A	•	
		FR, BE	EKFJL2A		•
		DE	EKFJM6A	•	
		DE	EKFJL6A		•
		IT, ES, CZ, GR, PL, PT	EKVK4A	•	•
		DE	EKVK6A	•	•
Filling loop set		All	EKFL1A	•	•
Solar water heater connection set (cable + probe sensor)		All	EKSH1A	•	•
Concentric connection Ø 80/125		All	EKHY090717	•	•
Eccentric connection Ø 80		All	EKHY090707	•	•
Dongle set (wireless connection from PC to boiler)		All	EKDS1A	•	•
Cover plates		All	EKCP1A	•	•
		All	EKHY093467[1]	•	•
Propane sets (G31)		All	EKHY075787		•
		All	EKPS075867	•	
Conversion kits (G25)		DE, BE, FR	EKPS076217	•	
		DE, BE, FR	EKPS076227		•

(1) Cannot be used in combination with B-packs.

	Type	Material name
Flue gas connections	Adapter Flex-Fixed PP 100	EKFGP6316
	Adapter Flex-Fixed PP 130	EKFGS0252
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 80/125	EKFGP4828
	Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
	Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
	Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
	Concentric connection Ø 80/125	EKHY090717
	Connector Flex-Flex PP 100	EKFGP6325
	Connector Flex-Flex PP 130	EKFGP6366
	Connector Flex-Flex PP 80	EKFGP6324
	Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
	Eccentric connnection Ø 80	EKHY090707
	Elbow PP/ALU 80/125 90°	EKFGP4810
	Elbow PP/GLV 60/100 30°	EKFGP4664
	Elbow PP/GLV 60/100 45°	EKFGP4661
	Elbow PP/GLV 60/100 90°	EKFGP4660
	Elbow PP/GLV 80/125 30°	EKFGP4814
	Elbow PP MB-AIR 80 90°	EKFGW4085
	Elbow PP BM-AIR 80 45°	EKFGW4086
	Extension Flex PP 100 l=10 M	EKFGP6346
	Extension Flex PP 100 l=15 M	EKFGP6349
	Extension Flex PP 100 l=25 M	EKFGP6347
	Extension Flex PP 130 l=30 M	EKFGS0250
	Extension Flex PP 80 l=10 M	EKFGP6340
	Extension Flex PP 80 l=15 M	EKFGP6344
	Extension Flex PP 80 l=25 M	EKFGP6341
	Extension Flex PP 80 l=50 M	EKFGP6342
	Extension PP 60 x 500	EKFGP5461
	Extension PP/GLV 60/100 x 1,000 mm	EKFGP4652
	Extension PP/GLV 60/100 x 500 mm	EKFGP4651
	Extension PP/GLV 80/125 x 10,000 mm	EKFGP4802
	Extension PP/GLV 80/125 x 500 mm	EKFGP4801
	Extension P BM-Air 80 x 500	EKFGW4001
	Extension P BM-Air 80 x 1,000	EKFGW4002
	Extension P BM-Air 80 x 2,000	EKFGW4004
	Filling loop set	EKFL1AA
	Flex 100-60 + Support Elbow	EKFGP6354
	Flex 130-60 + Support Elbow	EKFGS0257
	Flex Kit PP Dn.60-80	EKFGP1856
	Flex Kit PP Dn.8	EKFGP2520
	Flue Deflector 60 (UK Only)	EKFGP1295
	Flue gas non-return flap	EKFGF1A
	Gas conversion kit from G20 to G25	EKPS076227

	Type	Material name
Flue gas connections	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
	Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
	Plume Managment Kit 60 (UK Only)	EKFGP1294
	PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
	PMK Elbow 60 90 (UK Only)	EKFGP1284
	PMK Extension 60 l=1,000 incl. breaket (UK Only)	EKFGP1286
	Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
	Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
	Spacer PP 80-100	EKFGP6333
	Support Breaket Top Inox Dn.100	EKFGP6337
	Support Breaket Top Inox Dn.130	EKFGP6353
	Tee Flex 100 Boiler Connection set 1	EKFGP6368
	Tee Flex 130 Boiler Connection set 1	EKFGP6215
	Thermistor recirculator	EK TH2
	Wall Bracket Dn.100	EKFGP4481
	Wall Bracket Dn.100	EKFGP4631
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
	Wall Terminal Kit PP/GLV 60/100	EKFGP2978
	Wall Terminal Kit PP/GLV 60/100	EKFGP1292
	Wall Terminal Kit PP/GLV 80/125	EKFGW6359
	Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
	Weather Slate Flat Alu 60/100	EKFGP6940
	Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
	Weather Slate Flat Alu 80/125	EKFGW5333
	Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
	Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
	Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
	Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
	Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
	Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
	Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
	Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
	Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
	Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
	Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
	Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
	Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
	Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
	Wall term Mugro STD 60/100 Telescopic	DRWTERT60100AA

Boilers

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Flue-gas evacuation system 206





Condensing boilers

Why choose a condensing boiler?

Daikin's gas or oil condensing boilers are the best option for individual that plan to replace an existing boiler with a more energy efficient and cost-saving alternative. Our wall mounted boilers provide end users with reliable performance and efficient heating and hot water.

Comfort

Daikin's gas condensing boilers deliver the ultimate in comfort. Optimal heating ensures seamless operation to deliver reliable year-round heating, even in extreme weather conditions. Instant hot water is possible with our combi range, but also possible with a separate thermal store featuring the ECH_20 tank.

Energy efficiency

Condensing technology

Using latent heat in the flue gas, our condensing technology achieves 109% more energy efficiency by using renewable energy to produce hot water.

Condensing technology

Premix Technology incorporates a modulation fan to perfectly combine combustion air and fuel before it reaches the burner (air/gas mixer), to ensure a high efficiency combustion.

With the combustion of 1 m^3 natural gas, 1.7 kg of water vapour is released in the flue gas as latent heat. Instead of being disposed through the flue, the water vapour containing latent heat is then recirculated, and subsequently reheated by a uniquely designed exchanger.

Condensation forms as a result of the water vapour being cooled to a temperature just below dew point, and subsequently drained via a siphon. The condensing technology uses optimum fuel efficiency, with reduced emissions of NO_x and CO, to ensure high cost savings and environmentally-friendly operation.

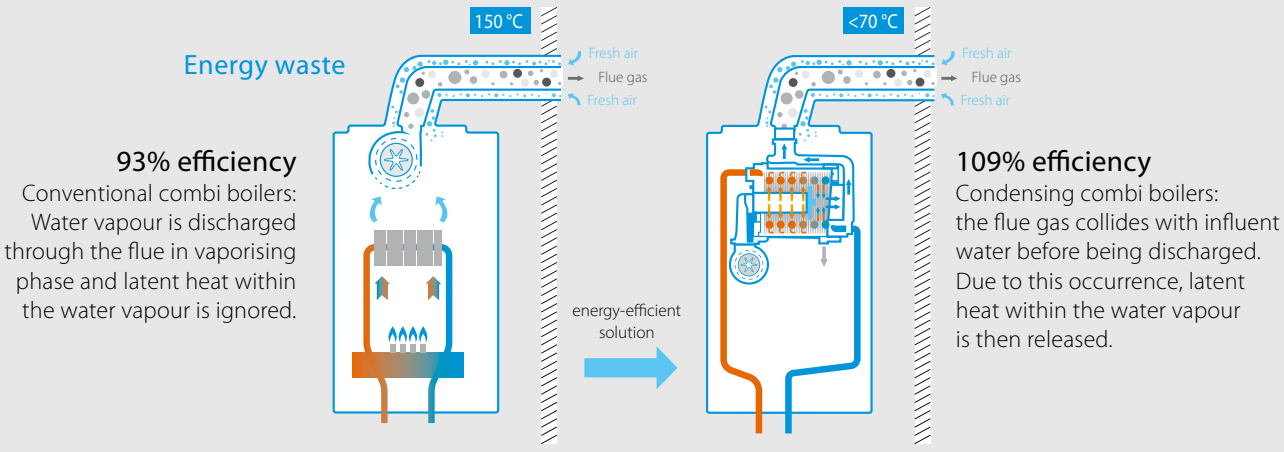




Flexibility

Easy installation and service

All parts are accessible from the front and are low maintenance. The flue gas installation can be adapted to all kinds of configuration thanks to its flexibility.



Daikin Altherma 3 C Gas (D2C/TND*)

Wall mounted gas condensing boiler



Why choose the Daikin gas condensing boiler?

Low weight

27 kg

Connectivity/Cloud Service

Always in control, no matter where you are.

Easy installation and service

All parts are accessible from the front.
The gas-adaptive combustion system (Lambda Gx) means lower maintenance and installation time in a minimalist space.
The Lambda Gx is compatible with wall mounted and floor standing units.



Solar thermal connection

Usable in combination with solar thermal store (renewable energy)

› Combi boiler: solar preheating
› Heating only boiler: solar controller input

Most compact

12, 18, 24 kW: 400 x 255 x 580 mm
28, 35 kW: 450 x 288 x 666 mm

Flexible in use

Thanks to IPX5D standard and its compact dimensions, it's possible to install in nearly all room conditions, such as kitchen cupboards, bathroom, utility room, heating room, balcony (in-wall kit).

Modulation 1:8

Capacity adapts to required heat of 4 to 28 kW and 5 to 35 kW.

Daikin eye

Monitor the operating status of your combi boiler with the Daikin Eye.

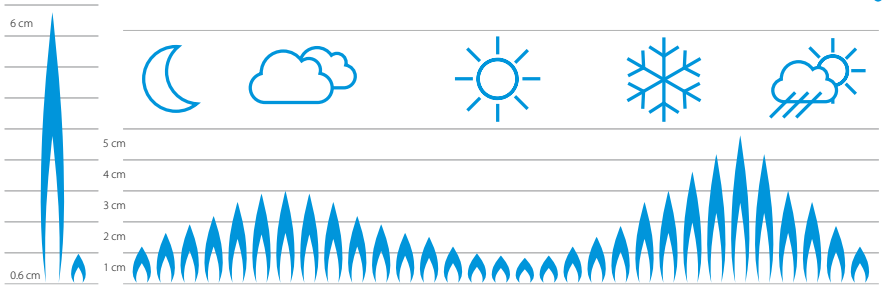
Unique interface

› Stylish interface appeals to all end-users
› State-of-the-art technology meets user-friendly design
› The side details and convex front panel deliver an integrated view

☑ High modulation rate

1:8

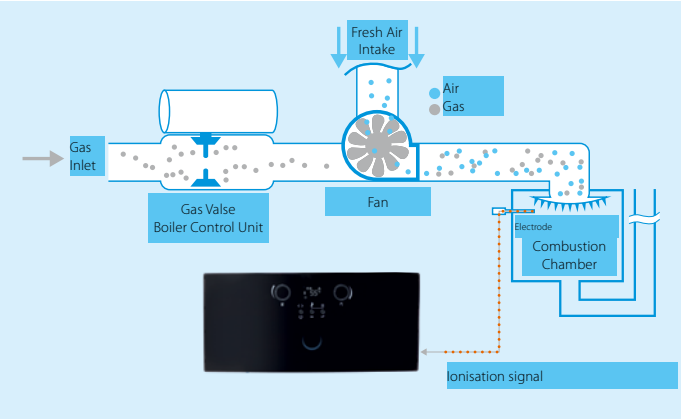
The opportunity to adjust the burner power ensures the seamless and continuous operation of the device. Smooth functioning of the system means increased comfort, a low risk for system failure and the ability to neutralise harmful substance emissions that may occur during ignition. Modulation is also automatically provided by the electronic control.





Lambda Gx: automatic gas adaptation system

With the Lambda GX, the correct combination of air and gas is regulated to achieve efficient combustion, which leads to higher cost savings and less installation and adjustment effort. With Lambda Gx, you have the advantage that you need no other parts like a gas cover to change from natural gas (NG) to liquid gas (LPG).



Daikin Eye

You can monitor the operating status of your combi boiler with the Daikin Eye.

Blue

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

Red

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.

Product features

Flue Adapter 60/100

- Factory mounted
- Compatible with top adapters/elbows of different flue gas manufacturers
- With measurement holes for air and flue gas

Heat Exchanger

- Daikin design
- Material: Aluminium
- Modulation:
  12-18-24 kW (1:4 - 1:6 - 1:8)
  28-35 kW (1:4 - 1:7)

Expansion Vessel

- Integrated
- 12-18-24 kW: 8 liters
  28-35 kW: 10 liters

Gas Valve

- Less maintenance needed
- Automatic gas adaptive system
- No additional parts/tools for changing from NG to LPG

Domestic Hot Water Plate Heat Exchanger

Increased number of plates to provide faster hot water production at high efficiency including warm start function.

Pump & Return Hydroblock

- Includes filter and flow restrictor
- Air vent, drain tap and Internal bypass
- Low energy pump

Fan

- Wide modulation range
- Low noise

Small gas condensing combi boiler

Heating only: 12-18 kW
Combi: 24 kW

Occupies only
0.06 m³



Combi: 28-35 kW

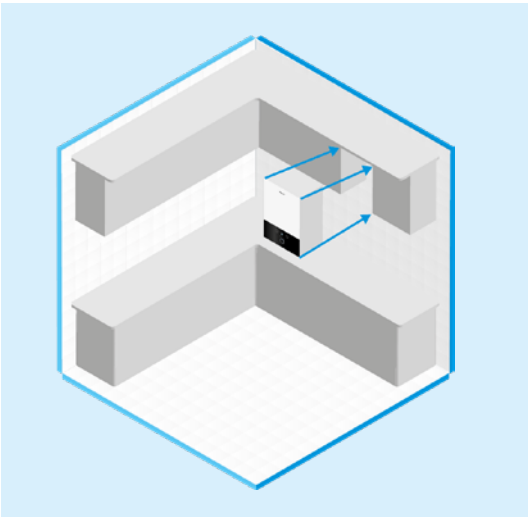


DESIGN AWARD 2018

reddot award 2018
winner

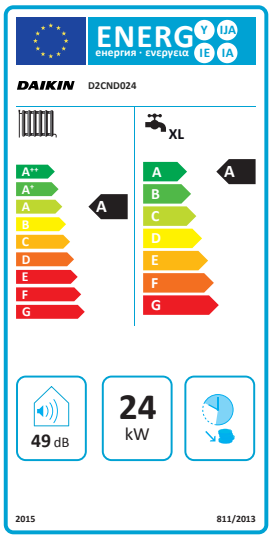
Easy installation & maintenance

The small and lightweight combi boiler guarantees fast installation, minimal maintenance and a flexible system to adapt to various rooms.



High energy class

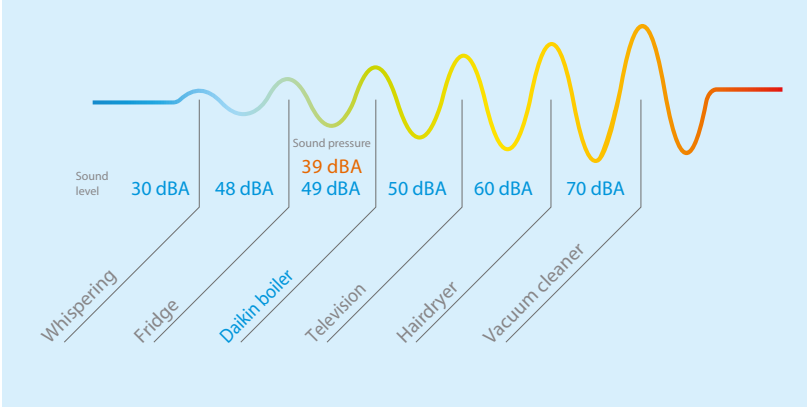
Energy Class A adheres to European ERP Standards.



Silence

Sound power: 49 db(A): The sound power is the sound level heard when you are close to the unit. The sound level is similar to a dishwasher operating in an adjacent room.

Sound Pressure: 39 db(A): The sound pressure is the sound level heard when you are standing 1 meter from the unit. The sound level is akin to the quiet environment of a library.



Best for your home with compact dimensions



Capacity
T-Model: 12-18-24-28-35 kW.
C-Model: 24-28-35 kW.



Modulation
The device can drop down to 3 kW with a modulation ratio of 1:8. This ensures minimal energy is consumed during start/stop operations.



Full condensation
Latent heat from the flue gas is obtained and added to the system, leading to both increased efficiency and energy savings.



Comfort mode
The DK combi boiler is designed to provide optimal comfort levels.



Electrical Protection
Safe combi boiler with a protection class of IP5D.



Efficiency
Achieves up to 109% efficiency with full condensation.



Frequency controlled pump
The frequency control monitors power consumption to boost efficiency and save energy.



Quiet
Delivers a very low sound level that reflects the new EU standards.



Thermo regulation
The device runs the system based on data obtained from the outside temperature sensor and room thermostat.



Compact size
Measuring only 0.06 m^3, this slim, state-of-the-art design combines power with aesthetics.



High energy class
Efficiency class according to EU Ecodesign Lot1 (A).



Lambda Gx system
Superior combustion technology delivers unparalleled efficiency and energy savings.



Premix combustion
Achieves an efficient combustion process by creating the perfect combination of air and gas before it reaches the burner.



Lcd display
Eye-catching and user-friendly design.



Double heat exchanger
The device uses a Daikin-specific main exchanger equipped with in-house technology and a stainless steel domestic water exchanger.



Easy maintenance
Details in design allows for easy maintenance.



Onecta App
Control your indoor unit from any location via app (optional LAN adapter).

Daikin Altherma 3 C Gas

Supremely compact gas condensing boiler **providing heating and hot water**

- Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping
- Easy to service: all parts are accessible by only removing the front panel
- High heating efficiency up to 109%
- High modulating range 1:8: the capacity is adapted based on the required heat load of the house from 3 to 24 kW and 5 to 35 kW
- Combine it with solar heating for even better energy efficiency
- C-model: The combi model means that the boiler has a plate heat exchanger to provide instant domestic hot water
- T-model (tank): The tank model means that the boiler does not have a plate heat exchanger. Domestic hot water is provided by an external storage tank heated by the boiler
- A1 model means that the filling loop is internal
- A4 model means that the filling loop is external



D2CND



More details and final information can be found by scanning or clicking the QR codes.

D2CND-A1A D2CND-A4A D2TND-A4A

Indoor unit					D2	TND012A4A	TND018A4A	TND024A4A	TND028A4A	TND035A4A	CND024A1A	CND028A4A	CND035A1A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max		kW	2.90 / 11.20	2.90 / 17	2.90 / 23.50	4.80 / 27	4.80 / 34	2.90 / 23.5	4.80 / 27	4.80 / 34
	Heat input Qn (gross calorific value)	Nom	Min/Max		kW	3.20 / 12.40	3.20 / 18.90	3.20 / 26.10	5.30 / 30	5.30 / 37.80	3.20 / 26.10	5.30 / 30	5.30 / 37.80
	Output Pn at 80/60 °C	Min/Nom			kW	2.80 / 10.90	2.80 / 16.60	2.80 / 22.80	4.60 / 26.30	4.60 / 33.20	2.80 / 22.80	4.60 / 26.30	4.60 / 33.20
	Output Pnc at 50/30 °C	Min/Nom			kW	3.10 / 12	3.10 / 18	3.10 / 24	5.20 / 28.20	5.20 / 35	3.10 / 24	5.20 / 28.20	5.20 / 35
	Water pressure (PMS)	Max			bar	3							
	Water temperature	Max			°C	100							
	Efficiency	Net calorific value			%	98.60	98.20	97.90	98.20		97.90	-	-
	Operation range	Min/Max			°C	30 / 80							
	Piping connections					19 (3/4") Male							
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max		kW	2.90 / 11.20	2.90 / 17	2.90 / 23.50	4.80 / 29.50	4.80 / 34	2.90 / 23.50	4.80 / 29.50	4.80 / 34
	Heat input (gross calorific value) Qnw	Nom	Min/Max		kW	3.20 / 12.40	3.20 / 18.10	3.20 / 26.10	5.30 / 32.70	5.30 / 37.70	3.20 / 26.10	5.30 / 32.70	5.30 / 37.70
	Domestic hot water threshold				L/min	-			2.50		2		
	Temperature	Factory setting			°C	50							
	Operation range	Min/Max			°C	35 / 60							
Gas	Gas connection diameter				mm	19 (3/4") Male							
	Consumption (G20)		Min/Max		m^3/h	0.31 / 1.18	0.31 / 1.80	0.31 / 2.48	0.511 / 2.89	0.511 / 3.63	0.31 / 2.48	0.511 / 2.89	0.511 / 3.63
	Consumption (G25)		Min/Max		m^3/h	0.36 / 1.38	0.36 / 2.09	0.36 / 2.89	0.59 / 3.32	0.59 / 4.19	0.36 / 2.89	0.59 / 3.32	0.59 / 4.19
	Consumption (G31)		Min/Max		m^3/h	0.12 / 0.46	0.12 / 0.69		0.20 / 1.10	0.20 / 1.38	0.12 / 0.96	0.20 / 1.10	0.20 / 1.38
Supply air	Connection				mm	100							
	Concentric					Yes							
Flue gas	Connection				mm	60							
Space heating	General	ηs (Seasonal space heating efficiency)			%	93							
		Seasonal space heating eff. class				A							
Domestic hot water heating	General	Declared load profile				-					XL		
		ηwh (water heating efficiency)			%	-					84		83
		Water heating energy efficiency class				-					A		
Casing	Colour					Titanium White (RAL9003)							
	Material					Sheet metal			Powder painted galvanised steel plate		Sheet metal	Powder painted galvanised steel plate	
Dimensions	Unit	Height x Width x Depth	Casing		mm	590x400x256			690x440x295		590x400x256	690x440x295	
Weight	Unit	Empty			kg	27			36		27	37	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/230			1~/50/230			1~/50/230	
Electrical power consumption	Max.				W	86			92	112	86	92	112
	Standby				W	3.50			2.70		3.50	2.70	

Options

Category		Description	Material Nr
Controllers		Outdoor sensor	150042
		Solar Temperature Sensor	DRSLRTESENSAA
		Daikin OT+ room thermostat	DOTROOMTHEAA
		Communication gateway	DRGATEWAYAA
System control - Cascade		Cascade Controller (E8.5064 V1)	DRCASCACONTAA
		Zone Controller (E8.1124)	DRZONECCONTAA
		CoCo OT-CAN Adapter	DRCOCOADPTRAA
		Lago CAN BUS room thermostat	DRCBROOMTHEAA
		Flow temperature sensor (Cascade)	DRFLWTESENSAA
		Outdoor temperature sensor (Cascade)	DRODRTESENSAA
		Storage Tank Temperature Sensor (Cascade)	DRSTKTESENSAA
Flue gas		Connector Elbow PP 60/100 + MP(0 mm)	DRMEEA60100BA
		Twin Box Adapter 80/80 + MP(0 mm)	DRDECOP8080BA
		Vert. Conn. 60/100-80/125 + MP(0 mm)	DRDECO80125BA
Mechanical		Cover plate (12-18-24 kW)	DRCOVERPLATAA
		Cover plate (28-35 kW)	DRCOVERPLA2AA
		Antifreezing set	DRANTIFREEZAB
Valve kit		Valve Kit C1 - 90° valves	DRVALVEKIC1AA
		Valve Kit C2 - 90° valves	DRVALVEKIC2AA
		Valve Kit T1 - 90° valves	DRVALVEKIT1AA
		Valve Kit T2 - 90° valves	DRVALVEKIT2AA
Pump Groups & Other		Seperator for mud and magnetit	SAS1 156021
		Seperator for mud and magnetit	IT.DEFANG-TP
		Seperator for mud and magnetit	IT-DEFANG-OT
		Unmixed Pump Group	DRUPUMPGRUPAA
		Mixed Pump Group	DRMPUMPGURPAA
For service		Service box	DRSERVCBOX1AA - 5020177



Daikin Altherma 3 C Gas (D2CNL)

Base model - Wall mounted gas condensing boiler

The new gas condensing boiler D2CNL-A1A integrates what is essential: neat design, ease of use and installation to provide heating and hot water.

Neat design

The product enjoys the black and white design DNA introduced with the third generation of Daikin Altherma products. Its dimensions and weight make it one of the most compact product of its category.



All-in-one comfort

The product provides space heating and instantaneous domestic hot water without tank, both with an A energy label.

A



As simple as A+B

The product is really simple to control via its interface. It is also very easy to install and service since all parts are available from the front.

Daikin Altherma 3 C Gas

Supremely compact gas condensing wall mounted boiler **providing heating and hot water**

- Easy to service: all parts are accessible by only removing the front panel
- Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping



D2CNL-A1A

More details and final information can be found by scanning or clicking the QR codes.

D2CNL-A1A

A+ A 80 °C

Indoor unit					D2	CNL024A1A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		4 / 23.50
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		4.40 / 26.10
	Output Pn at 80/60°C	Min/Nom		kW		3.80 / 22.80
	Output Pnc at 50/30°C	Min/Nom		kW		4.40 /24
	Water pressure (PMS)	Max		bar		3
	Water temperature	Max		°C		100
	Operation range	Min/Max		°C		30 / 80
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW		4 / 25.50
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW		4.40 / 28.30
	Domestic hot water threshold			L/min		2.30
	Temperature	Factory setting		°C		50
	Operation range	Min/Max		°C		35 / 60
Gas	Consumption (G20)	Min/Max		m^3/h		0.40 / 2.50
Supply air	Connection			mm		100
	Concentric					Yes
Flue gas	Connection			mm		60
Space heating	General	Seasonal space heating efficiency class				A
		ηs (Seasonal space heating efficiency)		%		93
Domestic hot water heating	General	Declared load profile				XL
		Water heating energy efficiency class				A
		ηwh (water heating efficiency		%		87
Casing	Colour					Titanium White (Ral9003)
	Material					Powder painted galvanised steel plate
Dimensions	Unit	HxWxD	Casing	mm		590x400x256
Weight	Unit	Empty		kg		27
Power supply	Phase/Frequency/Voltage			Hz/V		1~ /50/230
Electrical power consumption	Max.			W		100
	Standby			W		3

Category		Description	Material Nr
Valve Kit		Valve Kit for Combi Boiler	DRVALVEKIC1AA
Wall Rack		Wall Rack for small boilers	DRWALLRACK1AA
Cover Plate		Bottom cover plate	DRCOVERPLATAA
Flue Gas		Connector Elbow PP 60/100	DRMEEA60100BA
		Twin Box Adapter 80/80	DRDECOP8080BA
		Vert. Conn. 60/100-80/125	DRDECO80125BA

Daikin Altherma C Gas W

High efficiency gas condensing boiler **for heating and hot water**

- High efficiency gas condensing boiler
- Top efficiency gas condensing boiler thanks to labyrinth fin heat exhanger for improved heat exchange
- Low running costs for both heating and hot water thanks to new dual heat exchanger
- Maximum heating comfort and domestic hot water when it is most needed
- Quick, easy and compact installation thanks to our optional pre-assembled B-pack, containing all auxiliary components



EKOMB-AH

More details and final information can be found by scanning or clicking the QR codes.

EHOBG-A

EHOB-AH

EKOMBG-A

EKOMB-AH



Indoor unit				EHOB	G12A	G18A	12AH	18AH	42AH
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	3.80 / 12.50	5.60 / 18.70	3.50 / 11.80	5.60 / 18.70	7.80 / 42.50
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	4.20 / 13.90	6.20 / 20.80	3.90 / 13.10	6.20 / 20.80	8.70 / 47.20
	Output Pn at 80/60 °C	Min/Nom		kW	- / 12.20	- / 18.20	3.40 / 11.50	5.40 / 17.80	7.70 / 40.90
	Output Pnc at 50/30 °C	Min/Nom		kW	- / -		3.80 / 12	5.90 / 18.70	8.50 / 42.20
	Water pressure (PMS)	Max		bar	3				
	Water temperature	Max		°C	90				
	Operation range	Min/Max		°C	30 / 90				
Gas	Connection	Diameter		mm	15				
	Consumption (G20)	Min/Max		m^3/h	0.36 / 1.30	0.58 / 1.94	0.36 / 1.22	0.55 / 1.94	0.81 / 4.41
	Consumption (G25)	Min/Max		m^3/h	0.42 / 1.50	0.67 / 2.25	0.42 / 1.42	0.64 / 2.25	0.94 / 5.10
	Consumption (G31)	Min/Max		m^3/h	0.14 / 0.49	0.22 / 0.74	0.14 / 0.47	0.21 / 0.74	0.31 / 1.68
Supply air	Concentric				60 / 100				
Flue gas	Connection			mm	60				
Space heating	General	ηs (Seasonal space heating efficiency)		%	92			91	
		Seasonal space heating eff. class			A				
Casing	Colour				White - RAL9010				
	Material				Precoated sheet metal				
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	590x450x240				710x450x240
Weight	Unit	Empty		kg	30				36
Power supply	Phase/Frequency/Voltage			Hz/V	1 / 50 / 230				
Electrical power consumption	Max.			W	80				135
	Standby			W	2				4

Indoor unit				EKOMB	22AH	28AH	33AH	G22A	G28A	G33A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	5.60 / 18.70	7.10 / 23.70	7.20 / 27.30	5.50 / 23.30	7.10 / 29.10	7.60 / 32.70
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	6.20 / 20.80	7.90 / 26.30	8 / 30.30	6.10 / 25.90	7.90 / 32.30	8.40 / 36.30
	Output Pn at 80/60 °C	Min/Nom		kW	- / 17.80	- / 22.80	- / 26.30	- / 22.70	- / 28.40	- / 32.10
	Water pressure (PMS)	Max		bar	3					
	Water temperature	Max		°C	90					
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	5.60 / 22.10	7.10 / 28	7.20 / 32.70	5.50 / 23.30	7.10 / 29.10	7.60 / 32.70
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	6.20 / 24.60	7.90 / 31.10	8 / 36.30	6.10 / 25.90	7.90 / 32.30	8.40 / 36.30
	Domestic hot water threshold			L/min	2			-		2
	Temperature	Factory setting		°C	60					
	Operation range	Min/Max		°C	40 / 65					
Gas	Connection	Diameter		mm	15					
	Consumption (G20)	Min/Max		m^3/h	0.58 / 2.29	0.74 / 2.91	0.75 / 3.39	0.58 / 2.42	0.74 / 3.02	0.79 / 3.39
	Consumption (G25)	Min/Max		m^3/h	0.67 / 2.65	0.85 / 3.26	0.86 / 3.93	0.62 / 2.82	0.84 / 3.46	0.89 / 3.92
	Consumption (G31)	Min/Max		m^3/h	0.22 / 0.87	0.28 / 1.11	0.28 / 1.29	0.21 / 0.94	0.29 / 1.19	0.30 / 1.29
Supply air	Concentric				60 / 100					
Flue gas	Connection			mm	60					
Space heating	General	ηs (Seasonal space heating efficiency)		%	91	92	93	91	92	93
		Seasonal space heating eff. class			A					
Domestic hot water heating	General	Declared load profile			L	XL		L	XL	
		ηwh (water heating efficiency)		%	78	81		90	83	84
		Water heating energy efficiency class			A					
Casing	Colour				White - RAL9010					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidth x Depth	Casing	mm	590x450x240	650x450x240	710x450x240	590x450x240	650x450x240	710x450x240
Weight	Unit	Empty		kg	30	33	36	30	33	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					
Electrical power consumption	Max.			W	80					
	Standby			W	2					

(1) Setpoint 40 °C (2) Setpoint 60 °C

Options

	Type	Material name	Condensing boilers							
			EKOMB*						EHOB*	
			Combi 22kW TOP Grade	Combi 22kW HIGH Grade	Combi 28kW TOP Grade	Combi 28kW HIGH Grade	Combi 33kW	H/O 12kW	H/O 18 kW	H/O 42kW
Controllers	Rf-wlan converter	EKRFLAN1A	•	•	•	•	•	•	•	•
	Dongle set	EKDS1A	•	•	•	•	•	•	•	•
Installation	Cover plate 35	EKCP1A	•	•	•	•	•	•	•	•
	Solar water heater connection set	EKSH1A	•	•	•	•	•	•	•	•
Sensor	Outdoor sensor	EKOSK1A	•	•	•	•	•	•	•	•
Valve	Valve kit (IT, ES, CZ, GR, PL, PT)	EKVK4A	•	•	•	•	•	•	•	•
	Valve kit (DE)	EKVK5A						•	•	
	Valve kit (DE)	EKVK6A	•	•	•	•	•			
	Valve kit 3-way	EK3WV1A	•	•	•	•	•	•	•	•
B-pack	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJS1A	•	•				•	•	
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJM1A			•	•				
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJL1A					•			•
	B-pack for combi (FR, BE)	EKFJS2A	•	•						
	B-pack for combi (FR, BE)	EKFJM2A			•	•				
	B-pack for combi (FR, BE)	EKFJL2A					•			•
	B-pack for combi (UK)	EKFJS3A	•	•						
	B-pack for combi (UK)	EKFJM3A			•	•				
	B-pack for combi (UK)	EKFJL3A					•			
	B-pack for combi (DE)	EKFJS4A						•	•	
	B-pack for combi (DE)	EKFJS6A	•	•						
	B-pack for combi (DE)	EKFJM6A			•	•				
	B-pack for combi (DE)	EKFJL6A					•			
Propane set		EKHY075787	•							
		EKPS075867				•	•			•
		EKPS075877	•							
		EKPS075917						•		
Conversion set		EKPS076197						•		
		EKPS076207	•						•	
		EKPS076217		•	•				•	
		EKPS076227		•			•			•
Flue gas	Flue gas non return flap (flue gas cascade)	EKFGF1A	•	•	•	•	•	•	•	•
	Horizontal straight flue terminal (low profile) (UK)	EKFGP1A	•		•		•			
Others	Concentric connection (Ø 80/125)	EKHY090717								
	Eccentric connection (Ø 80)	EKHY090707								
	Adaptor set concentric 60/100	EKAS1A	•	•	•	•	•			

Flue-gas evacuation system

Hybrid heat pump





Daikin Altherma Hybrid

Wall mounted gas condensing boilers



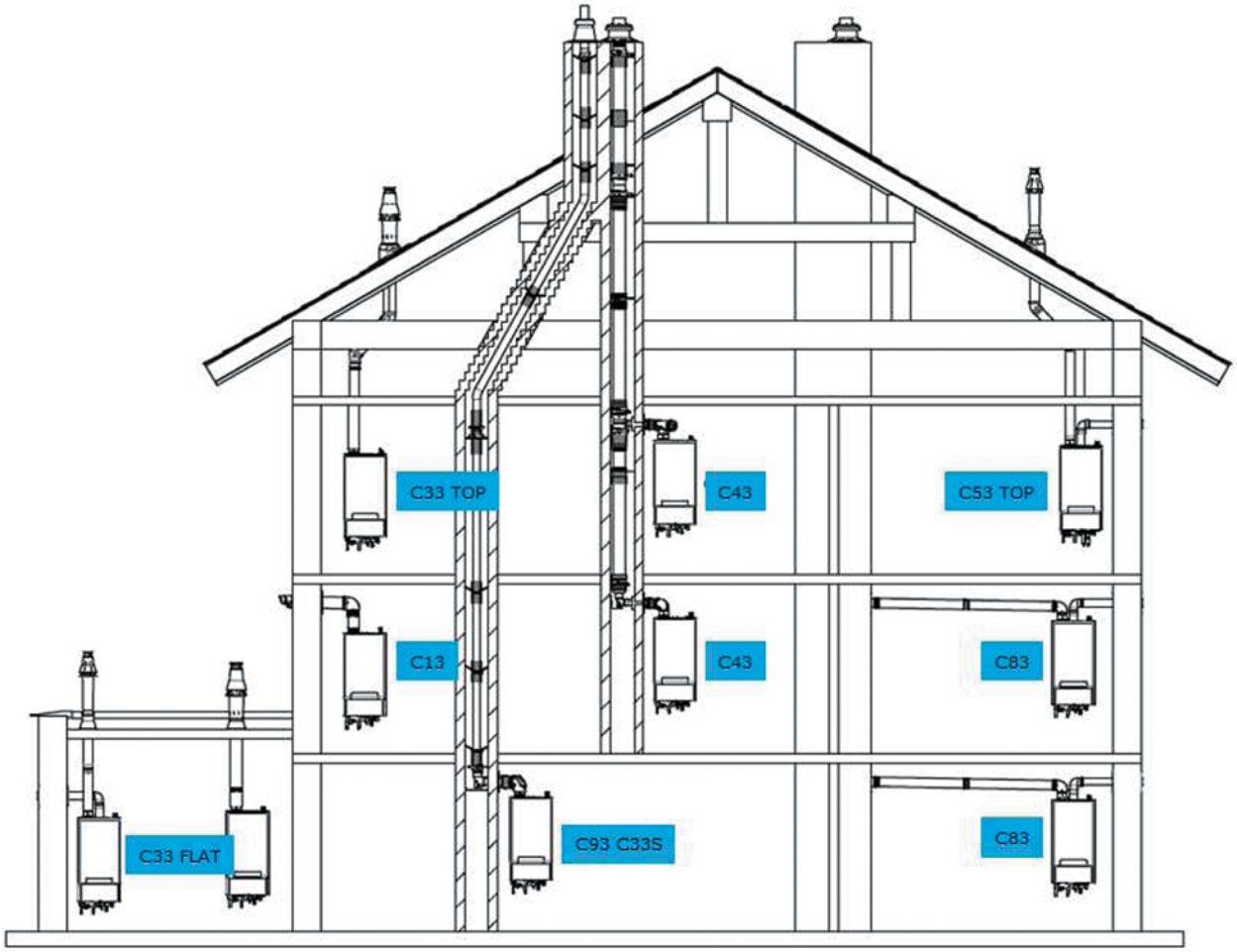
Daikin Altherma C Gas W



Daikin Altherma 3 C Gas W

Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid

Your guarantee of proper operation, especially in terms of the noise level of our heat generators, depends on the use of our own brand of flue-gas evacuation systems. All our condensing gas- and oil-fired boilers are optimized and adjusted for this use.



1-8 Variants for Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid
CA Air (combustion) inlet
FG Flue gas
RV Ventilation

B_{xx} Type CEN/TR1749:2009 for operation dependent on ambient air
C_{xx} Type CEN/TR1749:2009 for suction operation

a Variant for suction connection (flue gas/concentric air inlet)
b Variant for partial suction connection (flue gas/separated air inlet)
c Variant for connection dependent on ambient air
d Ventilated vertical flue ducts with fire-resistance duration of 90 minutes (30 minutes for low-rise buildings). Respect the locally applicable standards!
e Ventilation opening (1 x 150 cm^2 or 2 x 75 cm^2)
f Ventilation (150 cm^2)

› All flue-gas ducts approved for condensing operation can be installed – an adapter may be needed
› Requirements according to EN 14471: Temperature class T 120, pressure class P1, condensate consistence class W, corrosion-resistance class 2



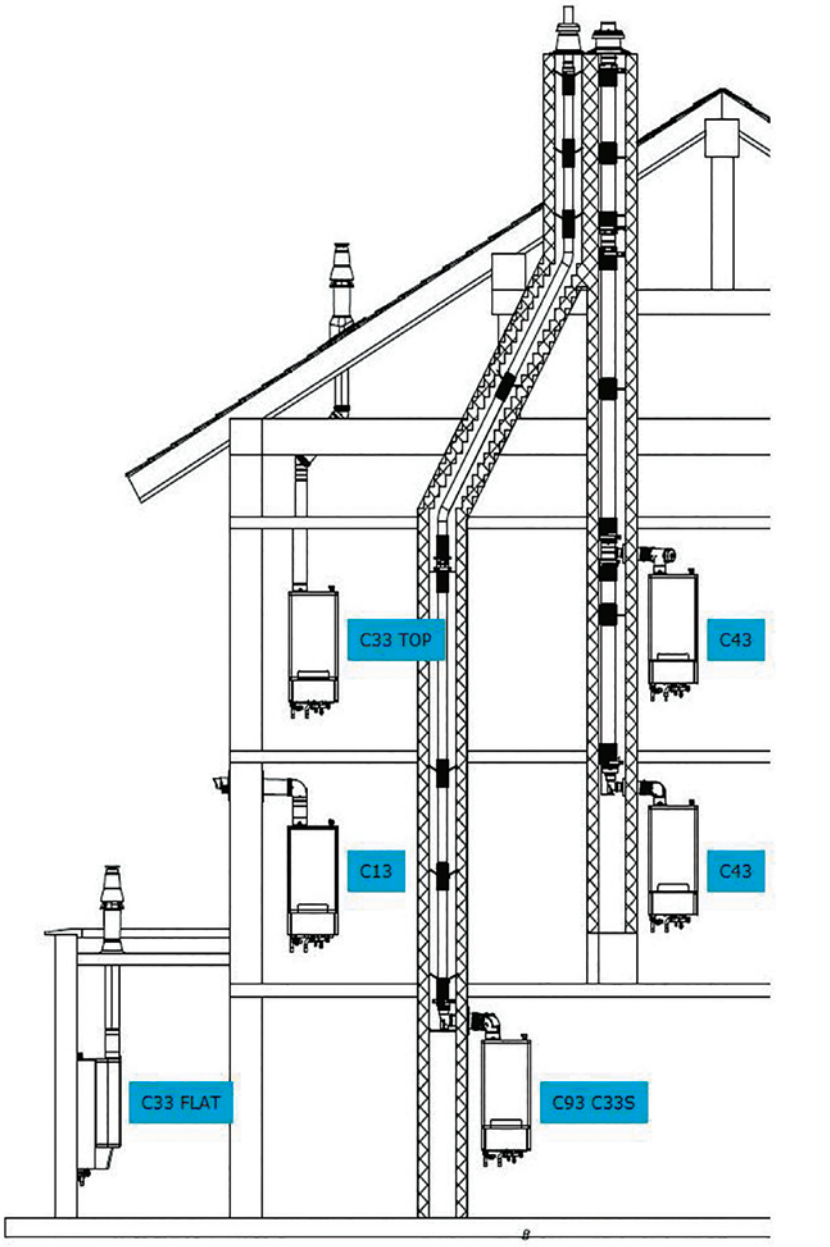
Selection tool

You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations.

You can also opt to make your selection online using our tool at **http://fluegas.daikin.eu**

Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid





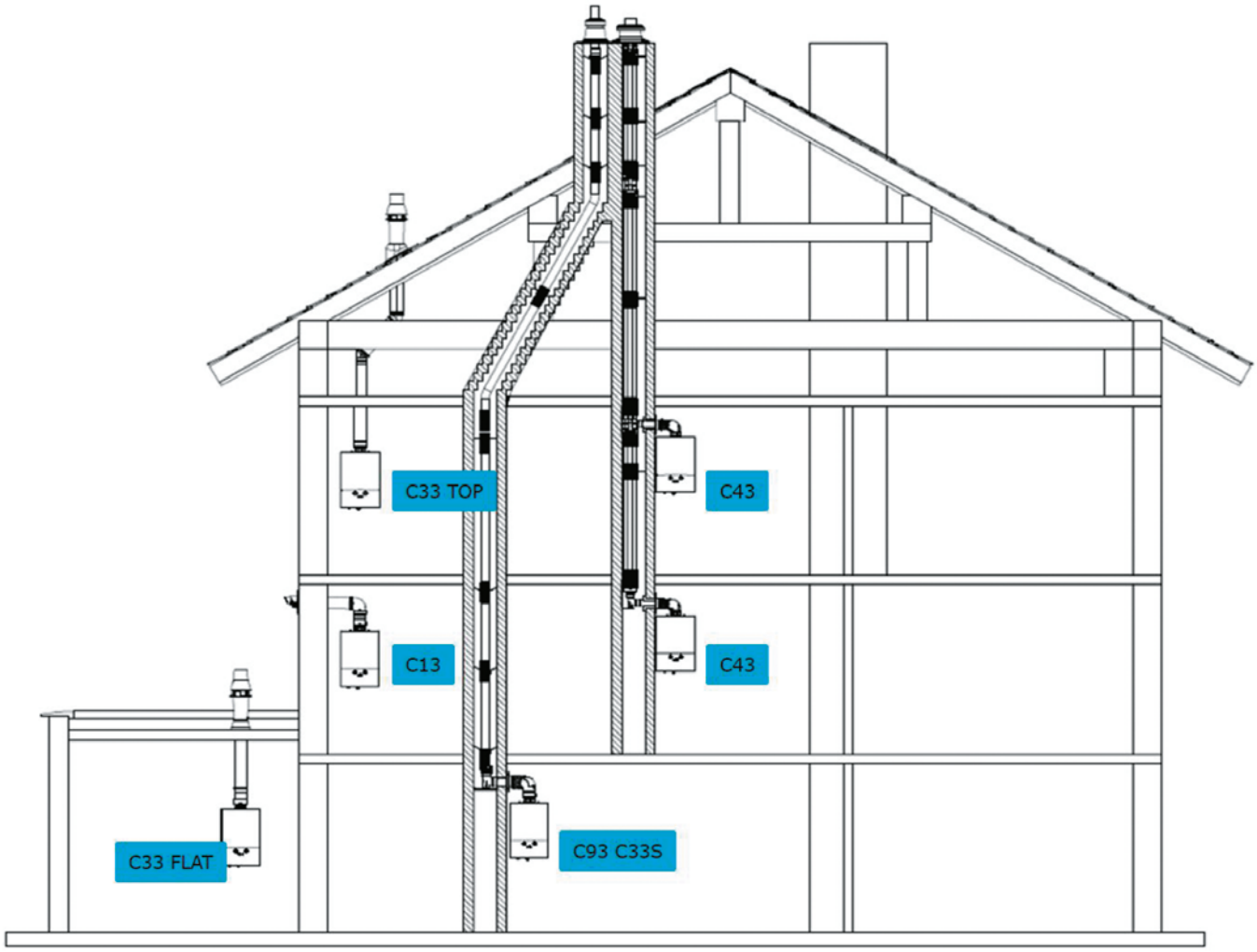
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Overview of Daikin Altherma 3 C Gas W





Selection tool

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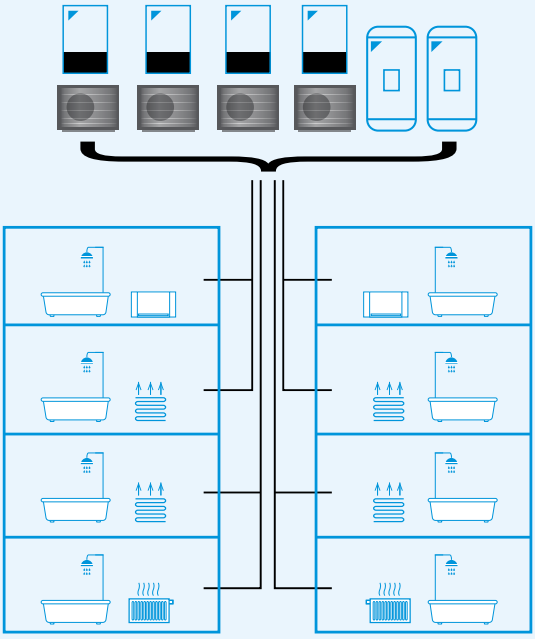


P. 214

Decentralised

Centralised

P. 215



Daikin solutions for collective buildings

Thanks to a wide range of individual heat pumps, Daikin has always been present in collective buildings with decentralised solutions.

With the long lasting Daikin Altherma Flex Type series, a central solution for hot water production is also part of the portfolio.

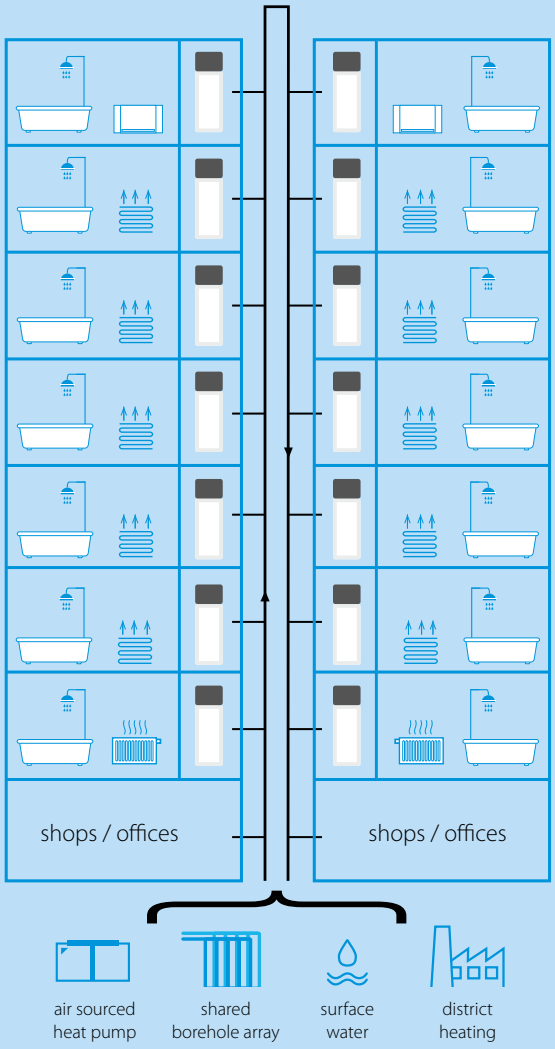
Recently, Daikin Altherma 3 WS was launched: a dedicated water loop solution for high-rise buildings.

In that way, Daikin provides multiple flexible solutions for collective buildings.



Semi-centralised: Water loop

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Collective solutions

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Daikin Altherma 3 WS 218

Check out our collective solutions on:
https://collectivehousing.daikin.eu/en-GB/high-rise



Decentralised solutions

In a decentralised set-up, each apartment of the building is equipped with an individual heat pump. The end customer has total control over it's system and consumption. The outdoor unit is often installed on the balcony, or on the roof.

A large choice of Daikin solutions

Thanks to a wide range of heat pumps, Daikin is able to provide multiple solutions decentralised applications in apartments buildings.

In each apartment, an individual product is installed: air-to-water split heat pump, a hybrid heat pump…

It allows the end-user to totally control its energy consumption and answers its needs in the most efficient way, whether it is for space heating, cooling or domestic hot water..

Inside the apartment:

In decentralised solutions, only an indoor unit can be found inside the apartment. Usually installed in a technical or utility room, it takes as much as space as other household appliances such as a washing machine.



Outside the apartment:

The heat pump outdoor unit can be installed in different locations in order to save as much space as possible.

For example, on a balcony:



Or on the roof:





Centralised solutions

Centralised applications integrate a central source of energy for heating and hot water. Cascade solution is a type of centralised system in which one outdoor unit supplies energy to multiple apartments. Each apartment still includes an indoor unit as control center.

Another purpose for Daikin high capacity heat pumps

In a cascade solution, one larger capacity outdoor unit provides energy to multiple apartments. This larger outdoor unit ranges from 11 to 18 kW class, compared to individual heat pumps up to 8 kW. Each outdoor unit is connected to the other in order to form a central source of energy that it suitable for a total of up to 50 kW. Specific rules apply for the installation of such a system.

Applicable units

- Daikin Altherma 3 H HT + wall mounted indoor unit
- Daikin Altherma 3 R + wall mounted indoor unit
- Daikin Altherma 3 M monobloc
- Daikin Altherma Flex HT for DHW production only

Hydrosplit connection

With Daikin Altherma 3 H HT, you only get water connections to install the outdoor and the indoor units.



The unit is available in class 14, 16 and 18 kW and delivers a LWT up to 70°C, fitting with radiators.

Refrigerant connection

Daikin Altherma 3 R refrigerant split unit is available in class 11, 14 and 16 and delivers a LWT under 60°C.



The possibility to run low LWT allows for further energy saving by using underfloor heating or heat pump convectors as heating or cooling emitters.

Monobloc

Daikin Altherma 3 M also runs low LWT under 60°C. The monobloc has the extra advantage to save space inside: indeed no indoor unit is necessary if the domestic hot water tank is installed in the communal space.



Cascade controller

Daikin provides a universal centralised controller for cascade EKCC8-W to be used in combination with the gateway DCOM-LT/IO.

The DCOM gateway is an interface for the BMS integration. It offers:

- Modbus communication including the compatibility with EKCC8-W for sequencing applications
- Voltage control
- Modbus control

R-410A



Daikin Altherma R Flex Type HT HW

Why choose a Daikin Altherma HT Flex Type?

Daikin Altherma HT Flex Type is a centralised solution ideal for large requirements of domestic hot water like apartment buildings or commercial spaces.

Comfort

Domestic hot water

› Equipped with air-to-water heat pump technology
› Best system to meet high demands for hot water
› Using renewable energy from the heat pump, the system can heat the hot water tank up to 75 °C without using an electric heater

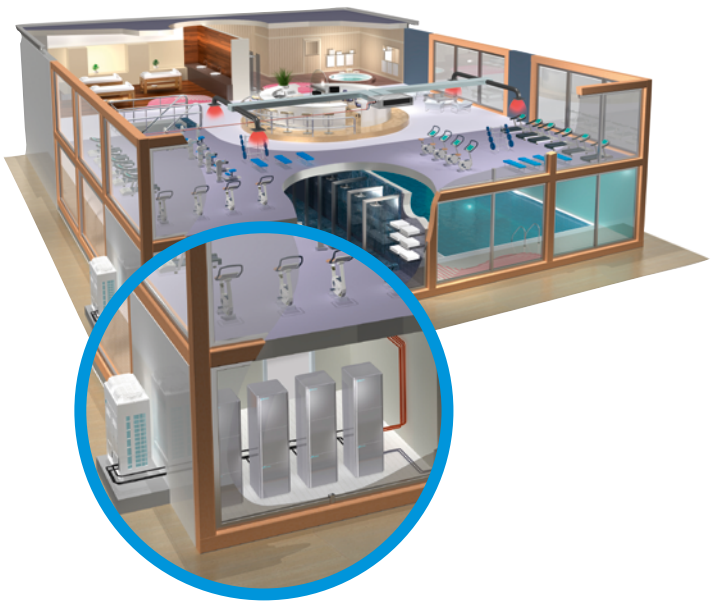
Energy efficiency

› High energy efficiency achieves high sustainability and low operation costs
› Inverter compressor continuously adjusts the compressor speed to meet actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures

Reliability

Modular system

One or more outdoor units can be connected to several indoor units
(maximum 10 indoor units per outdoor unit)



Daikin Altherma R Flex Type HT HW

› Low energy bills and low CO_2 emissions
› Easy installation and maintenance
› Customised to meet your building's needs: up to 10 indoor units can be connected to 1 outdoor unit



A | 80 °C | R-410A

More details and final information can be found by scanning or clicking the QR codes.

EMRQ-AB | EKHBRD-ADV17 | EKHBRD-ADY17

Outdoor Unit					EMRQ	8AB	10AB	12AB	14AB	16AB
Heating capacity	Nom.				kW	22.40 (1)	28 (1)	33.60 (1)	39.20 (1)	44.80 (1)
Seasonal efficiency	Domestic hot water heating	General	Declared load profile			XL				
		Average climate	ηwh (water heating efficiency)		%	93			83.70	93
			Water heating energy efficiency class			A				
Casing	Colour					Daikin White				
	Material					Painted galvanized steel plate				
Dimensions	Unit	HeightxWidthxDepth			mm	1,680x1,300x765				
Weight	Unit				kg	331			339	
Operation range	Domestic hot water	Ambient	Min. ~ Max.		°CDB	-20 ~ 35				
Refrigerant	Type					R-410A				
	GWP					2,087.5				
	Charge				kg	10.30	10.60	10.80	11.10	
					TCO_2eq	21.50	22.10	22.50	23.20	
Piping connections	Liquid	OD			mm	9.52		12.7		
	Suction	OD			mm	19.10	22.20	28.60		
	High and low pressure gas	OD			mm	15.90	19.10		22.20	
	Piping length	OU - IU	Max.		m	100				
		System	Equivalent		m	120				
	Total piping length	System	Actual		m	300				
Sound power level	Heating	Nom.			dBA	78		80	83	84
Sound pressure level	Heating	Nom.			dBA	58		60	62	63
Power supply	Phase/Voltage				V	3 ~ /380-415				
Current	Recommended fuses				A	20	25		40	

(1) Condition: Ta=7 °CDB/6 °CWB, 100% connection ratio
This product contains fluorinated greenhouse gases.

Options

	Type	Material name	EMRQ-AB
Drain	Central drain pan kit	KWC25C450	•
Refnet	Refnet header	KHRQ(M)22M29H8	•
	Refnet header	KHRQ(M)22M64H8	•
	Refnet joint	KHRQ(M)22M20T8	•
	Refnet joint	KHRQ(M)22M29T8	•
	Refnet joint	KHRQ(M)22M64T8	•

Water loop solution
Daikin Altherma 3 WS



Daikin Altherma 3 WS for Collective Housing provides an innovative approach to reducing the carbon footprint of apartment buildings. Individual heat pumps deliver economical heating, hot water and optional cooling for each apartment connected via a central water loop. So use of renewable energy is optimised and heat losses in distribution are minimised, improving the environmental performance of the apartment building.

The number of people living in urban areas is continuously increasing in the recent years. Multi-family dwellings in Europe are a good portion of the European building stock. Especially if we consider that, in 2018, 46.0 % of the EU-27 population lived in flats. (*) Therefore, apartment buildings are among the most relevant contributors to the energy consumption and CO_2 emissions of the EU building sector.

As a consequence, the higher demand for living space makes the collective building sector grow in the future cities. Building sector plays a significant role for the energy consumption as it represents 40% of energy used in the EU.
New European Directives are driving the efficiency of modern buildings in order to reach future goals. In this perspective, heat pumps play a key role to achieve these goals not only in single dwellings but also in multi-family apartment buildings.

Daikin, the innovation leader for more than 90 years, takes the challenge in multi-family apartment building to apply full renewable solutions based on in-house heat pump technology. From low to high-rise apartment buildings, from individual to centralised heating systems, from retrofit to new built Daikin has the units, the experience and the solution for you.

(*) https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Living_conditions_in_Europe_-_housing_quality

Efficiency and environmental performance all in one

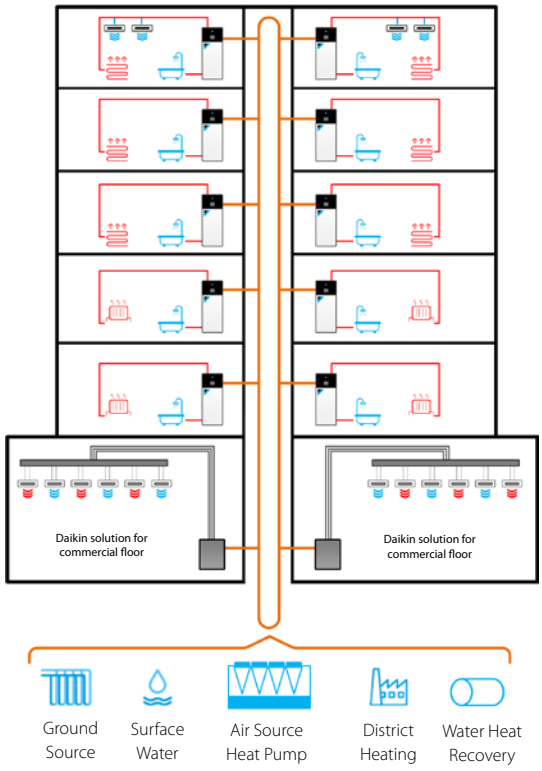
Individual heat pumps connected to a central loop

This innovative system consists of a network of heat pumps connected to a common central water loop. In each apartment is a Daikin Altherma 3 WS unit - a high-efficiency water-to-water heat pump with integrated domestic hot water (DHW) tank.

The heat pump in each apartment works independently, but is connected to a common central water loop to form a communal system. The central water loop must be maintained between +10°C and below +30°C. Thanks to this wide temperature range, the central water loop can be warmed/or cooled via several different means:

› Ground or air source heat pump
› Shared ground array, borehole or thermal piles
› Surface water source such as a river, canal or seawater
› District heat network
› Waste heat recovery

This offers the designer full flexibility to select the most appropriate form of renewable energy available to the site: ground, water or air



Low ambient temperatures for minimal heat loss

This highly efficient heat pump network can provide economical heating, hot water and optional cooling for an entire apartment building at relatively low ambient water temperatures.

Compared with the high distribution losses that occur in typical communal heating systems - which lead to overheated buildings and wasted energy - the low ambient loop means that heat losses are reduced by more than 90%. Hence it is a much more economical solution, that reduces the carbon footprint of the entire building.

Key system advantages:

› Utilises renewable (or recovered) energy
› Low carbon heat pump solution delivers significant CO_2 reductions over traditional systems
› Low carbon solution helps reduce carbon offset payments
› Energy centre not required, saving valuable space
› Heating, hot water & cooling via a 2 pipe network offers capital savings over a traditional 4 pipe solution
› Intuitive user controls and internet connectivity as standard
› In-apartment heat pump has integrated back up heater, so heating & hot water is maintained in any eventuality.
› Simplified connection with water loop thanks to th embedded pressure independent control, for automatic flow from the heat pump
› Pressure rating of 16 bar (water loop side) to simplify installation in high-rise buuldings: no need of pressure brakers up to 20 floors

Designed to suit modern living



Optimised for comfort

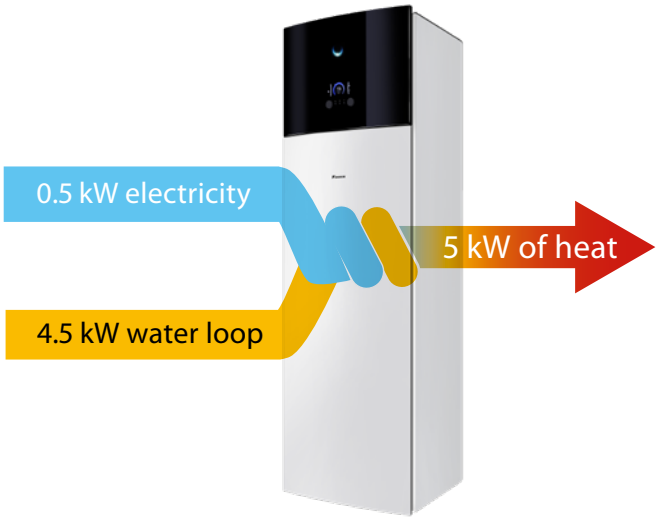
With a leaving water temperature up to 65°C and high efficiencies, the Daikin Altherma 3 WS is designed to ensure the lowest running costs and highest comfort levels for each apartment.

Versatility by design

Daikin Altherma 3 WS is highly versatile and works with various heat emitters, such as radiators, underfloor heating, heat pump convectors or fan coil units for maximum design flexibility.

All in one integrated model

The floor standing indoor unit with integrated DHW tank has a minimal footprint, utilising as little floorspace as possible.



Delivering decarbonisation

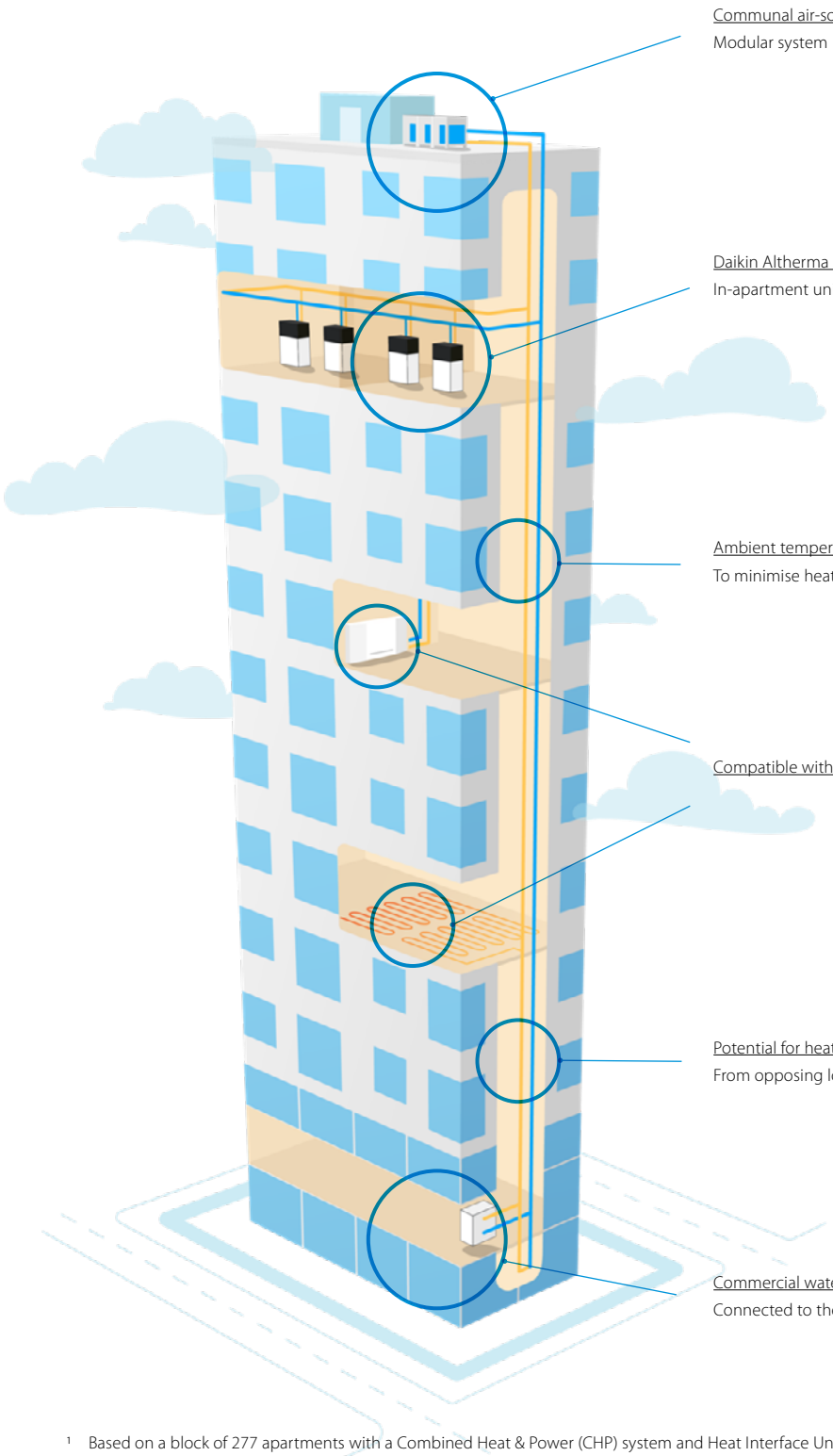
Compared with a typical Combined Heat & Power (CHP) and boiler system often used in apartments, the Daikin Altherma 3 WS system delivers a reduction in carbon emissions of 143 tonnes.[1]

Reduction in capital costs

With a low temperature water loop connected to a heat pump chiller on the roof or in the plant rooms, plus a Daikin Altherma 3 WS unit in each apartment linked to Daikin heat pump convectors or fan coil units, the total system will deliver lower carbon emissions compared with a typical heating system. This could reduce a developer's carbon offset payments, so delivering a low carbon heating and cooling system makes both excellent environmental and economic sense.

BLUEVOLUTION

Heat pump technology reduces carbon emissions compared with any traditional fossil fuel heating system. But the Daikin Altherma 3 WS goes further to reduce the Global Warming Potential (GWP) of system, as it features Daikin's Bluevolution technology which uses R-32 refrigerant. R-32 has a lower GWP than other refrigerants typically used in heat pump systems - and less refrigerant is required too - so it's more environmentally friendly overall.



Communal air-sourced heat pump
Modular system

Daikin Altherma 3 WS
In-apartment unit with integrated DHW tank (180 l)

Ambient temperature distribution
To minimise heat loss and risk of overheating

Compatible with any type of emitter

Potential for heat recovery
From opposing loads connected to a common water loop

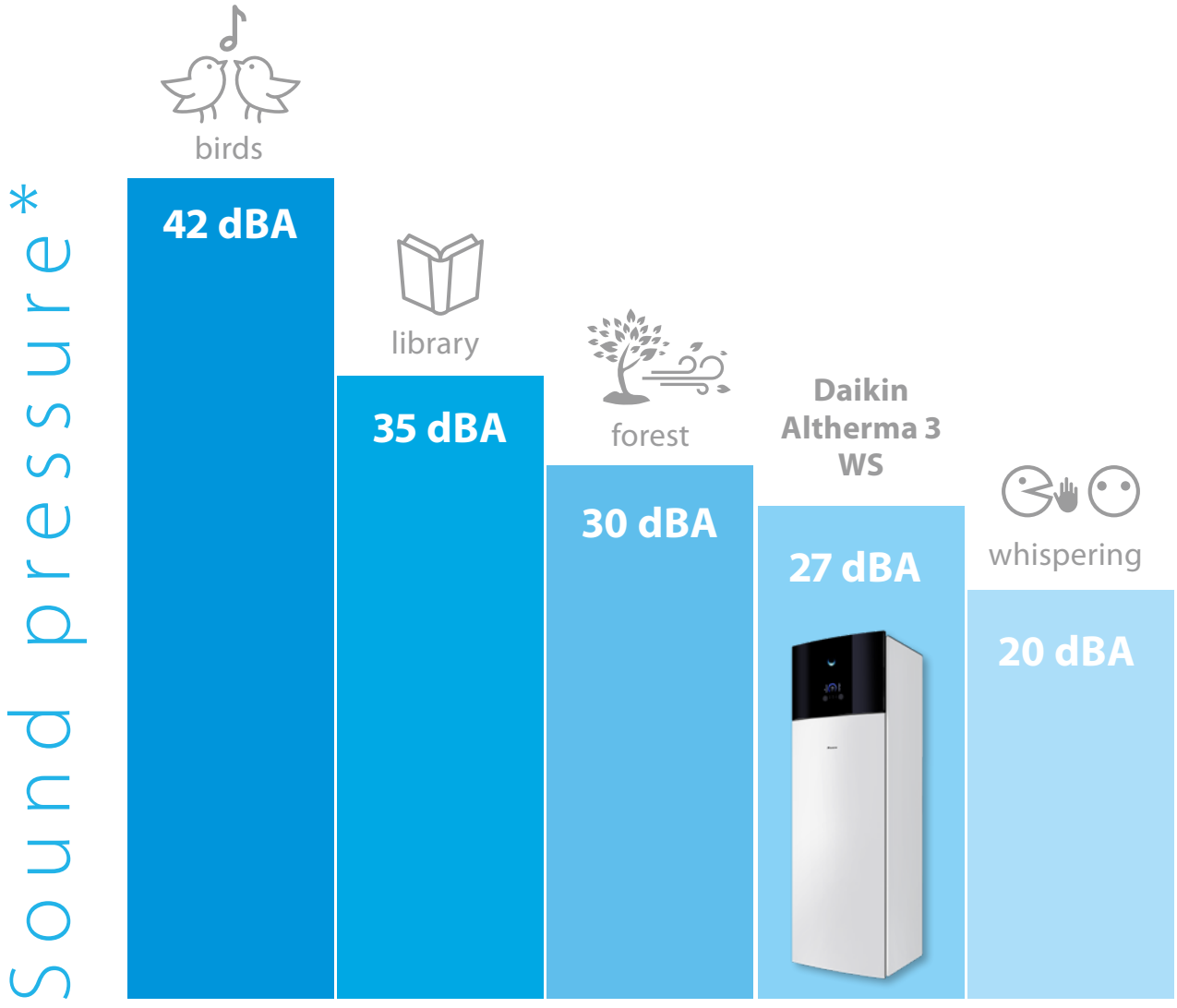
Commercial water-sourced heat pump (W/C VRV)
Connected to the same water loop

[1] Based on a block of 277 apartments with a Combined Heat & Power (CHP) system and Heat Interface Units (HIU) with CHP thermal efficiency of 48% and electrical efficiency of 32%, 60% CHP / 40% boiler, compared with a Heat Pump with a SCOP of 3.7 based on SAP2012

Caring for customers' peace of mind

Daikin Altherma 3 WS promises almost silent operation, thanks to a specially designed swing compressor module, which limits vibrations and is sound insulated, to minimise noise levels.

Exceptionally quiet operation



*at 1 meter.

Daikin offers a range of control options, so residents can enjoy full control of their heating system, anywhere, at any time.

Smart control

Daikin' smart control offers the end user full control of the heating and hot water system, as well as saving money on energy bills, thanks to Daikin's modulating room control logic.

Madoka for heating

Increase end user energy savings even further, with the elegant Madoka controller. Madoka ensures a more stable room temperature, by adjusting the water temperatures depending on room temperature requirement, as well as reducing on/off cycling times.



BRC1HHDW



BRC1HHDS



BRC1HHDK

- Sleek and elegant design
- Match any interior scheme
- Easy to use with intuitive controls

Onecta app

The Daikin Residential Controller is a smart phone app that allows end users to monitor and control their heating system, whenever and wherever they wish.



- Monitor the status of the heating system
- Control the operation mode and set temperature
- Schedule the set temperature and operation mode

Quick and easy installation



Each apartment unit consists of a sealed R-32 low GWP heat pump, a highly insulated, integrated DHW tank and an electrical back up heater, so no F-gas qualifications are required to install and service the unit. Installation and servicing are quick and easy too, thanks to a small footprint, factory-fitted piping on top of the unit, and a swappable hydro module.

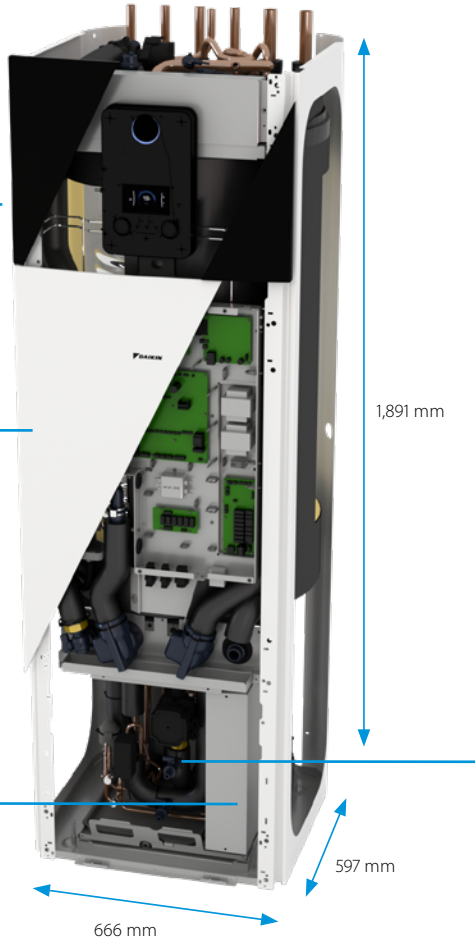


All pipe connections on top, paired in and out

Standard electrical connections pre-cabled



Removable compressor module reduces the overall weight by 70 kg



Intuitive
interface

The Daikin Eye
The intuitive Daikin Eye shows in real time the status of the system.



Blue:
When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red:
When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.

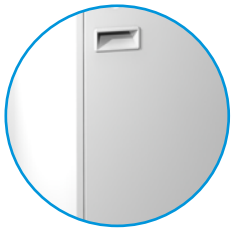


Quick to configure
Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit, or via the cloud.

Easy operation
Work super-fast with the new user interface. It's easy to use with just a few buttons and two navigational knobs.

Beautiful design
The user interface is especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Can be installed easily in confined spaces thanks to a small footprint and integrated handles



16 bar pressure rating of all hydraulic components on water loop side, to best fit high-rise buildings

Factory fitted pressure independant control valve for flow regulation from the common water loop (design flow: 9,6 L/min)

A complete package from Daikin

The beauty of the Daikin Altherma 3 WS system is that each in-apartment heat pump can connect to a wide variety of heat emitters and controls, all of which can be provided as a complete package by Daikin. This ensures seamless integration and consistency of the heating solution within each apartment.

Similarly, the communal water loop can be powered by range of different heat pump solutions. And once again, Daikin can offer a wide range of water source heat pumps, 2 and 4 pipe air source heat pumps, in an even wider range of configurations, to provide the central energy source for the collective heating system.

So for a highly efficient system that reduces the carbon footprint and offset payments of your apartment building, Daikin has the total solution.



EWSA(H/X)-D9W for Collective Housing

More details and final information can be found by scanning or clicking the QR codes.

EWSAH-D9W EWSAX-D9W

Indoor Unit				EWSA	H06D9W	X06D9W
B0/W35	Heating capacity	Nom.	kW		6.44	
	Power input	Max.	kW		1.67	
	COP				3.85	
W10/W35	Heating capacity	Nom.	kW		6.13	
	Power input	Nom.	kW		1.15	
	COP				5.33	
W10/W55	Heating capacity	Nom.	kW		5.61	
	Power input	Nom.	kW		1.72	
	COP				3.27	
W20 / W35	Heating capacity	Nom.	kW		6.17	
	Power input	Nom.	kW		0.82	
	COP				7.49	
W20 / W55	Heating capacity	Nom.	kW		6.30	
	Power input	Nom.	kW		1.48	
	COP				4.26	
W25 / W35	Heating capacity	Nom.	kW		5.80	
	Power input	Nom.	kW		0.6	
	COP				9.62	
W25 / W55	Heating capacity	Nom.	kW		6.36	
	Power input	Nom.	kW		1.35	
	COP				4.71	
Space heating according to EN14825 and EN14511:2018	Average climate Water in 10°C Water out 55°C	ηs (Seasonal space heating efficiency)	%		158	162
		Efficiency class			A+++	
		sCOP			4.15	4.24
	Average climate Water in 10°C Water out 35°C	ηs (Seasonal space heating efficiency)	%		253	260
		Efficiency class			A+++	
		sCOP			6.51	6.70
Space heating according to real application conditions	Average climate water in 20°C water out 35 °C (fixed)	Average space heating efficiency	%		360.4	
		Average COP			9.21	
Space cooling W30 / W7	Cooling capacity	Nom.	kW		-	5.81
	Power input	Nom.	kW		-	1.38
	EER				-	4.21
Space cooling W30 / W18	Cooling capacity	Nom.	kW		-	6.11
	Power input	Nom.	kW		-	1.21
	EER				-	5.07
Domestic hot water	General	Declared load profile			L	
	Average climate	ηwh	%		115	
		Efficiency class			A+	
Casing	Colour				White + Black	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	1,891x597x666	
Weight	Unit			kg	222	
Hot water tank	Material				Stainless steel (EN 14521)	
	Water volume			l	180	
	Insulation	Heat loss		kWh/24h	1.2	
	Corrosion protection				Pickling	
Operation range	Installation space		Min. ~ Max.	°C	5 / 35	
	Water inlet		Min. ~ Max.	°C	-10 / +30	
	Heating	Water side	Min. ~ Max.	°C	5 / 65	
	Domestic hot water	Water side	Min. ~ Max.	°C	25 / 60	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg	1.70	
	Charge			TCO_2Eq	1.15	
Water loop side	Pressure rating			bar	16	
Design flow rate	Independent control valve			l/min	9.6	
Sound power level	Nom.			dBA	39.0	
Sound pressure level at 1 meter	Nom.			dBA	27.0	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	3 ~ /50/400 or 1 ~ /50/230	
Current	Recommended fuses			A	3P 16A or 1P 32A	

This product contains fluorinated greenhouse gases.

Accessories

Type	Description	Product name	Note
Controller	Madoka wired room thermostat	BRC1HHDK/S/W	
	Wireless room thermostat	EKRTR1	
	Wired digital thermostat	EKRTWA	
	LAN Adapter	BRP069A61	Equivalent of BRP069A61 built-in.
	Daikin Altherma Modbus Gateway	DCOM-LT/MB-IO	
Sensors	Remote indoor sensor	KRCS01-1	
	External sensor for EKRTR	EKRTETS	Can only be used in combination with the wireless room thermostat EKRTR1
	Current sensor	EKCSENS	
Heat pump convector	Floor standing / wall mounted / concealed	FWXV/T/M*	Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT - H/O)
Other options	Digital I/O PCB	EKRP1HBAA	Additional relays to allow bivalent control in combination with external room thermostat are field supply.
	Demand PCB	EKRP1AHTA	
	Power cable for back-up heater	EKGSPOWCAB	
	Fernox magnetic filter 1"	K.FERNOXTF1	
	Fernox magnetic filter 1" and F1 inhibitor fluid (500ml)	K.FERNOXTF1FL	
	G3 kit 8 liter	EKUHWG3DS	For UK, mandatory combination. Recommended option.
	G3 kit 18 liter	EKUHWG3D	For UK, mandatory combination. Alternative to EKUHWG3DS.

Daikin Eco-system

Daikin is a one-stop-shop for heating by providing all equiments from the heat generators to the peripherals.

Domestic hot water tanks and thermal stores with solar panels are official combinations in our energy label website.

Heating systems are never complete without emitters, that's why Daikin provides all the underfloor heating accessories as well as heat pump convectors. The floor standing convector can optionally be equipped with an indoor air quality feature, allowing fresh air to enter the room when the CO_2 level is too high, thanks to a ventilation system.

Recently, Daikin partnered up with Duco to add a range of residential ventilation units (CHRV) that synergize with the convector range.

Since indoor air quality is a key topic for Daikin, the air purifier range was also extended to provide end-users with best air possible.

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Stainless steel tanks

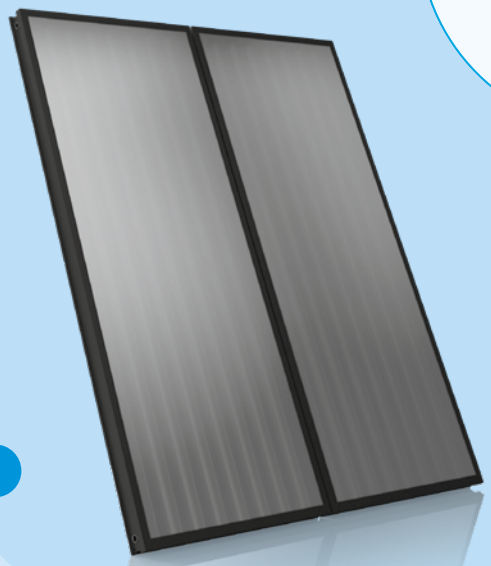


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Thermal stores



PERIPH



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Thermal solar panels and accessories

Wired room thermostats

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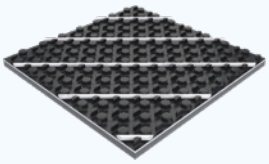
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Onecta app

HERALS

Heat pump convectors and underfloor heating

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Tanks

Thermal stores and tanks 232



Thermal stores and tanks

Hot water heating installation solutions

Why choose a Daikin Altherma ST thermal store or domestic hot water tank?

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.



Thermal store



Stainless steel tank

Domestic hot water tanks

Stainless steel tanks

Comfort

› EKHTS-AC: available in 200 and 260 L in stainless steel
› EKHWS(U)-BA: available in 150, 200 and 300 litres in stainless steel
› EKHWS-BA: available for 400V applications
› EKHWS(P)(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel

Efficiency

› High-quality insulation keeps heat loss to a minimum
› Efficient temperature heating: from 10 °C to 50 °C in only 60 minutes
› Available as an integrated solution or separate tank

Reliability

› At necessary intervals, the unit can heat up water up to 60 °C to prevent the risk of bacteria growth

The ECH$_2$O thermal store range

ECH$_2$O thermal store: additional hot water comfort

Combine your monobloc with a thermal store to achieve the ultimate comfort at home.

› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

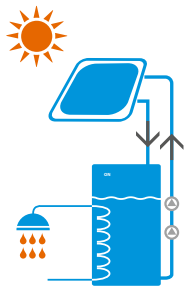
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

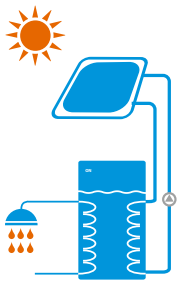
› Fit for the future: maximise renewable energy sources
› Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
› High-quality insulation keeps heat loss to a minimum

Reliability

› Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no water loss through the safety valve



Drain-back solar system



Pressurised solar system

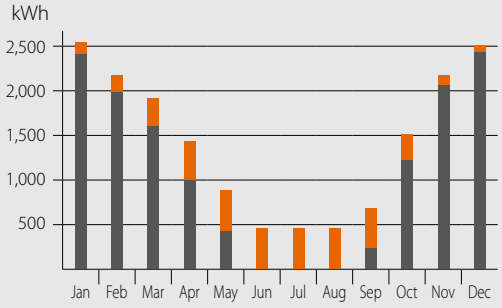
Pressureless (drain-back) solar system

› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

Pressurised solar system

› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

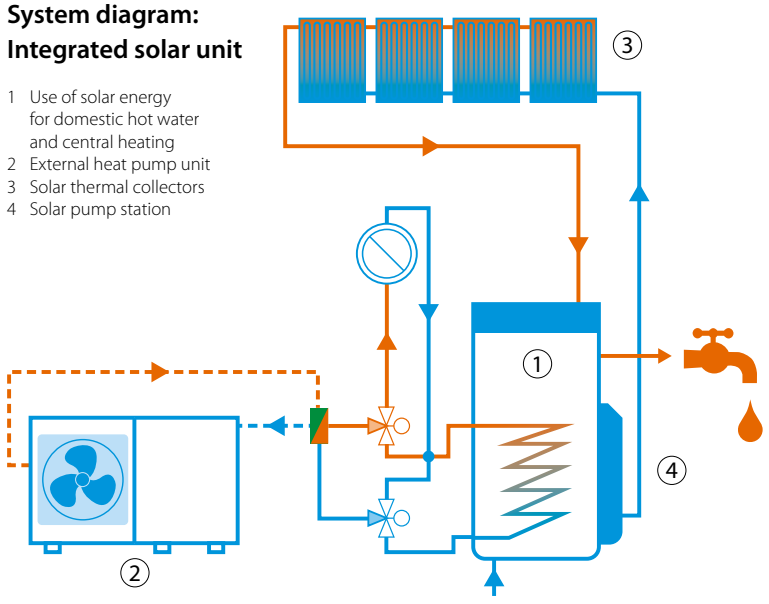
Monthly energy consumption of an average detached house



Utilisation of solar energy for domestic hot water and central heating
Heat pump (environmental heat)
Auxiliary energy (electricity)

System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heat pump unit
3 Solar thermal collectors
4 Solar pump station



Daikin Altherma ST Thermal store

Plastic domestic **hot water tank with solar support**

- The thermal store EKHWP* is designed to work with Daikin Altherma heat pumps
- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- Available in 300 and 500 liters





More details and final information can be found by scanning or clicking the QR codes.

EKHWP-B

EKHWP-PB

Accessory				EKHWP	300B	500B	300PB	500PB	54419B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	Width	mm		595	790	595	790	
		Depth	mm		615	790	615	790	
		Height	mm		1,646	1,658	1,646	1,658	
Weight	Unit	Empty	kg		53	76	56	82	71
Tank	Water volume		L		294	477	294	477	
	Material				Polypropylene				
	Maximum water temperature		°C		85				
	Insulation	Heat loss	kWh/24h		1.50	1.70	1.50	1.70	
	Energy efficiency class				B				
	Standing heat loss		W		64	72	64	72	
	Storage volume		L		290	393	290	393	
Heat exchanger	Domestic hot water	Quantity			1				
		Tube material			Stainless steel (DIN 1.4404)				
		Face area	m^2		5.60	5.80	5.60	5.90	5.80
		Internal coil volume	L		27.80	28.90	27.80	29	28.90
		Operating pressure	bar		10				
	Charging	Quantity			1				
		Tube material			Stainless steel (DIN 1.4404)				
		Face area	m^2		2.66	3.70	2.66	3.70	1.95
		Internal coil volume	L		12.90	18.10	12.90	18.10	10
		Operating pressure	bar		6				3
	Auxiliary solar heating	Tube material			-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)	
		Face area	m^2		-	0.76	-	0.76	
		Internal coil volume	L		-	3.90	-	3.90	
		Operating pressure	bar		-	3	-	3	

Daikin Altherma ST Thermal store

Plastic domestic **hot water tank with solar support**

- The thermal store EKHWC* is designed to work with a gas/oil boiler
- The thermal store EKHWD* is designed to work with boilers as well as with Daikin Altherma High Temperature
- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- Available in 300 or 500 liters





More details and final information can be found by scanning or clicking the QR codes.

EKHWDH-B EKHWDB-B EKHWC-B EKHWCH-B EKHWCH-PB EKHWCB-B

Accessory				EKHWDH 500B	EKHWDB 500B	EKHWCH 300B	EKHWCH 300PB	EKHWC 500B	EKHWCH 500B	EKHWCH 500PB	EKHWCB 500B	EKHWCB 500PB
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)								
	Material			Impact resistant polypropylene								
Dimensions	Unit	Width	mm	790		595		790				
		Depth	mm	790		615		790				
Weight	Unit	Empty	kg	73	76	51	53	69	74	79	80	86
Tank	Water volume		L	477		294		477				
	Material			Polypropylene								
	Maximum water temperature		°C	85								
	Insulation	Heat loss	kWh/24h	1.70		1.50		1.70				
	Energy efficiency class			B								
	Standing heat loss		W	72		64		72				
	Storage volume		L	477		294		477				
Heat exchanger	Domestic hot water	Quantity		1								
		Tube material		Stainless steel (DIN 1.4404)								
		Face area	m^2	4.90		3.80		4.90				
		Internal coil volume	L	23.80		18.60		23.80			25.80	
		Operating pressure	bar	6								
		Average specific thermal output	W/K	2,580		1,890		2,450			2,580	
	Charging	Quantity		1				-	1			
		Tube material		Stainless steel (DIN 1.4404)				-	Stainless steel (DIN 1.4404)			
		Face area	m^2	2				-	2			
		Internal coil volume	L	11		9		-	9			
		Operating pressure	bar	3				-	3			
		Average specific thermal output	W/K	1,030		920		-	1,030			
	Auxiliary solar heating	Tube material		-				Stainless steel (DIN 1.4404)				
		Face area	m^2	-				1				
		Internal coil volume	L	-				4				
		Operating pressure	bar	6		-		6				
		Average specific thermal output	W/K	-				350				

Domestic hot water tank

Stainless steel domestic **hot water** tank

› EKHTS-AC: available in 200 and 260 L in stainless steel
› EKHWS(U)-BA: available in 150, 200 and 300 litres in stainless steel
› EKHWS-BA: available for 400V applications
› EKHWS(P)(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel



EKHTS-AC

EKHWS(P)-D





More details and final information can be found by scanning or clicking the QR codes.

EKHTS-AC EKHWS-BA EKHWS-D EKHWSP-D

Accessory					EKHTS	200AC	260AC
Casing	Colour					Metallic grey	
	Material					Galvanised steel (precoated sheet metal)	
Dimensions	Unit	Height	Integrated on indoor unit	mm		2,010	2,285
		Width		mm		600	
		Depth		mm		695	
		Height		mm		1,470	1,745
Weight	Unit	Empty		kg		70	78
Tank	Water volume			L		200	260
	Material					Stainless steel (EN 1.4521)	
	Maximum water temperature			°C		75	
	Insulation	Heat loss		kWh/24h		12	15
	Energy efficiency class					B	
	Standing heat loss			W		50	63
	Storage volume			L		200	260
Heat exchanger	Quantity					1	
	Tube material					Duplex steel (EN 1.4162)	
	Face area			m^2		1.560	
	Internal coil volume			L		7.50	

Accessory					EKHWS(P)	150D3V3	180D3V3	200D3V3	250D3V3	300D3V3
Casing	Colour					Neutral white				
	Material					Epoxy coated steel / Epoxy-coated mild steel				
Dimensions	Unit	Height	Tank	mm		1,000	1,164	1,264	1,535	1,745
Weight	Unit	Empty		kg		45	50	53	58	63
Tank	Water volume			L		145	174	192	242	292
	Material					Stainless steel (EN 1.4521)				
	Maximum water temperature			°C		75				
	Insulation	Heat loss		kWh/24h		1.10	1.20	1.30	1.40	1.60
	Energy efficiency class					B				
	Standing heat loss			W		45	50	55	60	68
	Storage volume			L		145	174	192	242	292
Heat exchanger	Domestic hot water	Quantity				1				
		Tube material				Stainless steel (EN 1.4521)				
		Face area		m^2		1.050	1.400	1.800		
		Internal coil volume		L		4.90	6.50	8.20		
		Operating pressure		bar		10				
Booster heater	Capacity			kW		3				
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230				

Controllers

Wired remote controller 239
Individual room controllers 242
Onecta App 244

Controls

With Daikin controllers, you're in full control of your Daikin heat pump. The wired controller range features easy-to-use thermostats to control the temperature of different rooms. The intuitive Daikin apps offer even more features to help schedule and manage the energy consumption of your units.

Onecta App
Requires WLAN Module (BRP069A71), WLAN cartridge (BRP069A78) or LAN Adapters (BRP069A61/2)



Wired remote controller
Madoka



Wired digital thermostat
EKWCTRDI1V3



Wired analog thermostat
EKWCTRAN1V3

Combination table

			 BRC1HHDW/S/K	 EKRUCB*	 EKRUHML*	 EKRUAHTB	 DOTROOMTHEAA
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	EPRA14-18D7 + ETV/B*-E7	•				
Daikin Altherma 3 H HT ECH2O	14-16-18 kW	EPRA14-18E + ETS*-E7	•				
Daikin Altherma 3 H MT (F/W)	8-10-12 kW	EPRA08-12E + ETV/B*-E	•				
Daikin Altherma 3 H MT (ECH2O)	8-10-12 kW	EPRA08-12E + ETS*-E	•				
Daikin Altherma 3 R (F/W)	4-6-8kW	ERGA-E* + EHV/B*-E	•				
Daikin Altherma 3 R ECH2O	4-6-8kW	ERGA-E* + EHS*-E	•				
Daikin Altherma 3 R (F/W)	11-14-16 kW	ERLA-D* + EBV/B*-D	•				
Daikin Altherma 3 R ECH2O	11-14-16 kW	ERLA-D* + EBS*-D	•				
Daikin Altherma R HT	11-14-16 kW	EKHBRD-ADV/Y17 + ER(R/S)Q-AV/Y1				•	
Daikin Altherma 3 M	4-6-8-9-11-14-16 kW	E(B/D)LA-E/D*	•				
Daikin Altherma R Hybrid	5-8 kW	EVLQ-CV3		•			
Daikin Altherma H Hybrid	4 kW	EJHA-AV3			•		
Daikin Altherma 3 GEO	6-10 kW	EGSA(H/X)-D9W	•				
Daikin Altherma 3 C Gas W	12-35 kW	D2CND-A1A/A4A					•



User-friendly wired remote controller with premium design

Madoka. The beauty of simplicity

Madoka



Black
RAL 9005 (matt)
BRC1HHDK



White
RAL9003 (glossy)
BRC1HHDW



Silver
RAL 9006 (metallic)
BRC1HHDS

Madoka combines refinement and simplicity

› Sleek and elegant design
› Intuitive touch-button control
› Three colours to match any interior
› Compact: measures only 85 x 85 mm

Easy update via Bluetooth

It is strongly recommended to make sure that the user interface is up to date. To update the software or check if updates are available, all you need is a mobile device and the Madoka Assistant app. The app is available on Google Play and in the App Store.

GET IT ON Google Play

Available on the App Store

Award-winning design

Madoka received an IF Design Award and Reddot Product Design Award for its innovative design. These awards represent two of the most prestigious and largest design competitions in the world.

reddot award 2018
winner

DESIGN AWARD 2018

Wired remote controller



For Daikin Altherma 3 heat pumps

A new generation of user interfaces: redesigned and intuitive

Intuitive control with a premium design

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large, easy-to-read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

Three colours to match any interior design

Whatever your interior design, Madoka will fit in. Silver will stand out in any home decor, while Black is a perfect match for darker, stylish interiors. White offers a sleek, modern look.

Easily set operation parameters

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room temperature and control the domestic hot water temperature.

Wired remote control for heating

EKRUCB

Control

› Manage space heating, cooling, domestic hot water and booster mode
› User-friendly remote control with contemporary design
› Easy to use with direct access to all main functions

Comfort

An additional user interface can be configured to include a room thermostat in the space
› Easy commissioning: intuitive interface for advanced menu settings

General features

Several languages available depending on the model, including English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Applicable Daikin units

› Daikin Altherma R Hybrid
› Daikin Altherma GEO





System controller for Daikin Altherma

EKRUAHTB

Control

Reduce installation time
› Program all installation settings on a laptop computer and simply upload them to the controller during commissioning
› Reuse similar settings for related installations

Improve service diagnostics and maintenance
› The controller records the time, date and nature of the last 20 error occurrences

Comfort

Maximise comfort with stable room temperatures
› Raise or lower water temperature based on the actual room temperature
› Manage energy consumption
› The intuitive display shows the output and input energy of the unit to provide consumption transparency

General features

Weather-dependent floating set point
When the floating set point function is enabled, the set point for the leaving water temperature will be dependent on the outside ambient air temperature. At low outside ambient air temperatures, the leaving water temperature will increase to satisfy the rising heat requirement of the building. At warmer temperatures, the leaving water temperature will decrease to save energy.



Applicable Daikin units

› Daikin Altherma R HT

				BRC1HHDW/S/K	EKRUCB[1)]	EKRUHML[1)]	EKRUAHTB	EKWCTRDI1V3	EKWCTRAN1V3
Casing	Colour			Black / White / Silver	White	White	-	-	-
	Operation LED	Colour		Blue status indicator	Green	Green	-	-	-
Dimensions	Unit	Height	mm	85	120	120	-	86	86
		Width	mm	85	120	120	-	86	86
		Depth	mm	25	12	12	-	31	29
	Packed unit	Height	mm	50	-	-	-	-	-
		Width	mm	217	-	-	-	-	-
		Depth	mm	161	-	-	-	-	-
Weight	Unit		kg	0.11	-	-	-	-	-
	Packed unit		kg	0.317	-	-	-	-	-
Packing	Material			Cardboard	-	-	-	-	-
	Weight		kg	0.085	-	-	-	-	-
LCD	Type			100 x 150 dots	-	-	-	-	-
	Dimensions	Height	mm	40.70	46	46	-	-	-
		Width	mm	28	72	72	-	-	-
	Back light	Colour		White	White	White	-	-	-
Ambient temperature	Operation	Min.	°C	-10	-	-	-	-	-
		Max.	°C	50	-	-	-	-	-
	Storage	Min.	°C	-20	-	-	-	-	-
		Max.	°C	70	-	-	-	-	-
	Relative humidity		%	95	-	-	-	-	-
Backup for power failure				Yes (the clock wil keep functioning for period not exceeding 48 hours)	-	-	-	-	-
Control systems	Class of temperature control			VI	VI	VI	VI	-	-
	Contribution to seasonal space heating efficiency		%	4	4	4	4	-	-
Wiring connections	Type of wires			Sheathed vinyl cord or cable	-	-	-	-	-
	Size		mm²	0.75 - 1.25	-	-	-	-	-
	For connection with indoor	Quantity		2	-	-	-	-	-
		Remark		P1-P2 wired connection from indoor unit	-	-	-	-	-
	Wiring length	Max.	m	500	500	500	-	-	-



Individual wired room controllers

For the temperature adjustment of heating and cooling systems





General features

- Improve the energy efficiency of the home
- Universally deployable and scalable
- Easy and intuitive installation, operation and maintenance
- Cost-effective and convenient for the end-user

System components



Base station
EKWUFHTA1V3
The Daikin Wired Base Station is the central connection unit of a room-by-room temperature control for the surface temperature adjustment of heating and cooling systems.



Wired analog thermostat
EKWCTRAN1V3
An optimum price-performance ratio is offered for rooms where only temperature control is desired, without the comfort function of the display variant.



Wired digital thermostat
EKWCTRDI1V3
The desired room temperature can be set comfortably via a rotary control with rotary-push action and soft ratchet. The well-structured and language-neutral symbols of the display clearly indicate all settings.



Valve actuator
EKWCVATR1V3
The Daikin Valve Actuator is a thermoelectric valve drive used to open and close valves on heating circuit distributors of concealed heating and cooling systems.

Accessory list

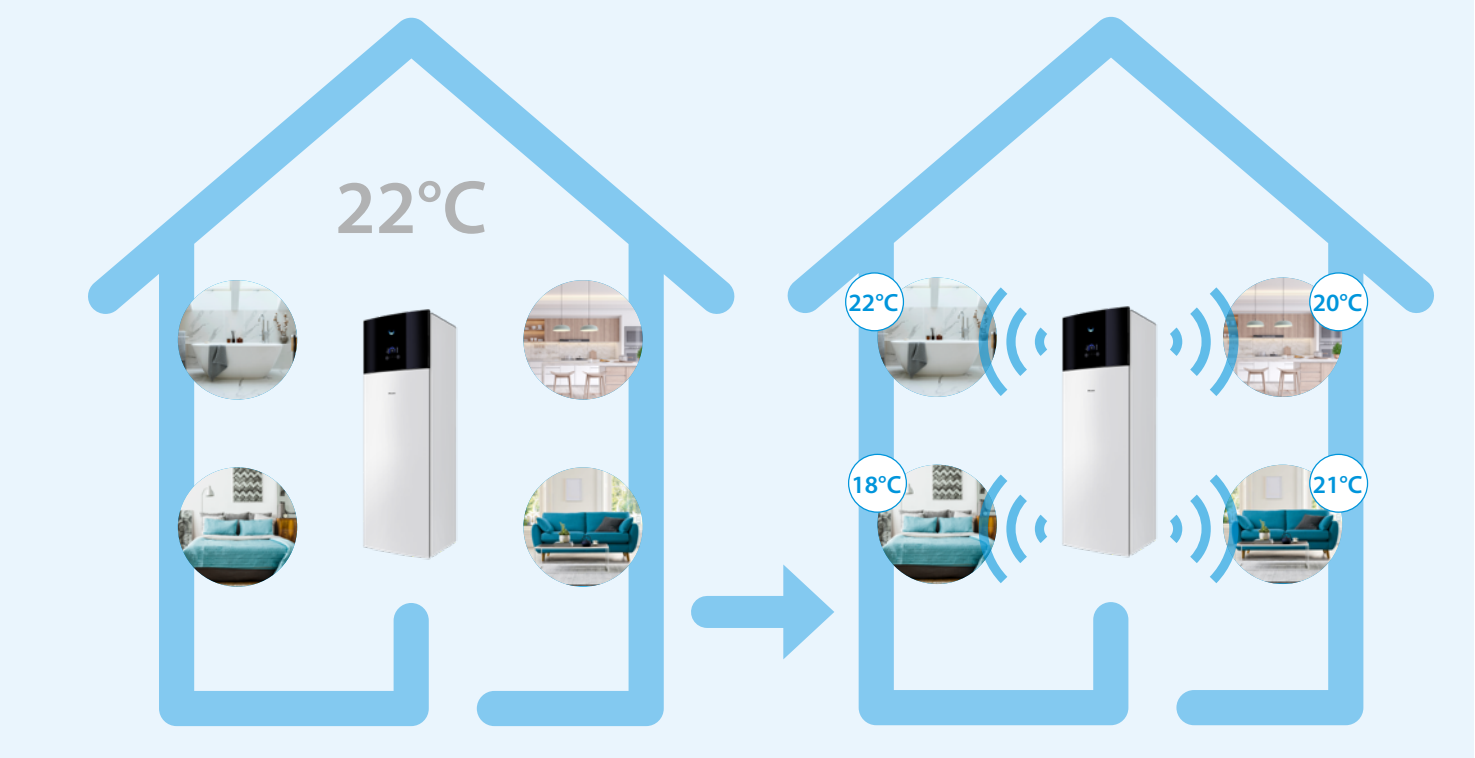
With the help of an electronic room-by-room control system, users can regulate the temperature individually in each room. In addition to the warmth output of the actual heating surfaces, the room temperature control system also takes all other heat sources into account, such as sunshine, warmth from lights or people, and other sources of warmth, such as a fireplace or a tiled stove. On the basis of a continuous comparison of the target and current temperatures, the room temperature control system opens and closes the individual heating circuits by way of electrical valve actuators.

Applicable Daikin units

Combinable with all Daikin Altherma units.

Individual wireless room controllers

Our individual wireless room controllers allow for a total flexibility in heating your home.



Make energy savings

A traditional heating system makes you manage one temperature for your entire home. In most cases, you will be heating empty rooms, making you waste energy.

To avoid heating empty rooms, the alternative is to shut them off manually.

Wireless control for a better flexbility

Get rid of cables and interconnect all your devices thanks to the cloud.

Our wireless range of controllers makes your life easier. As soon as they are installed, you can combine them in Onecta app.

You can then control them directly from the device itself, or from the Onecta app.

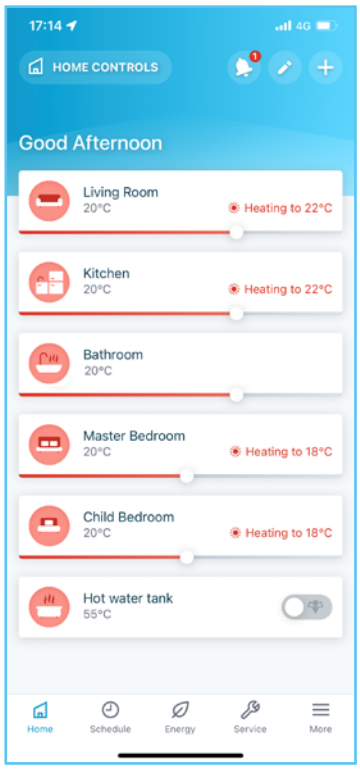


Always in control

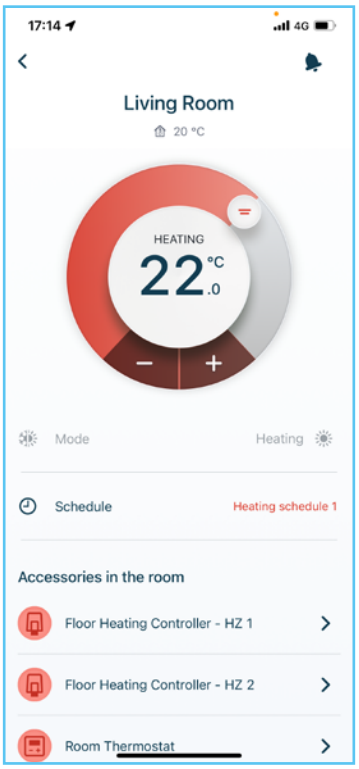
onecta

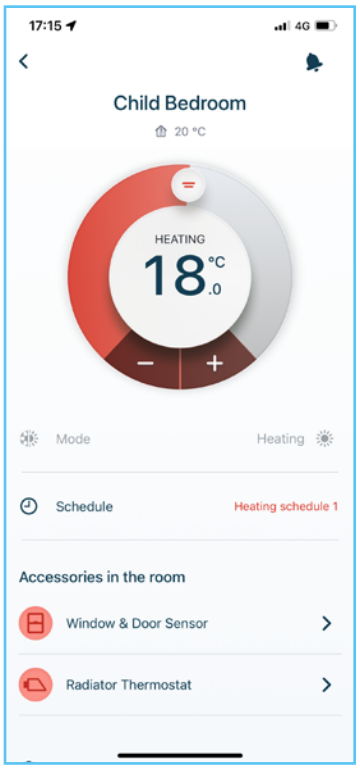
Jump into a fully connected system!

With Onecta app, you have an overview of all rooms temperatures. You can manage them individually, at home or remotely.



Room overview

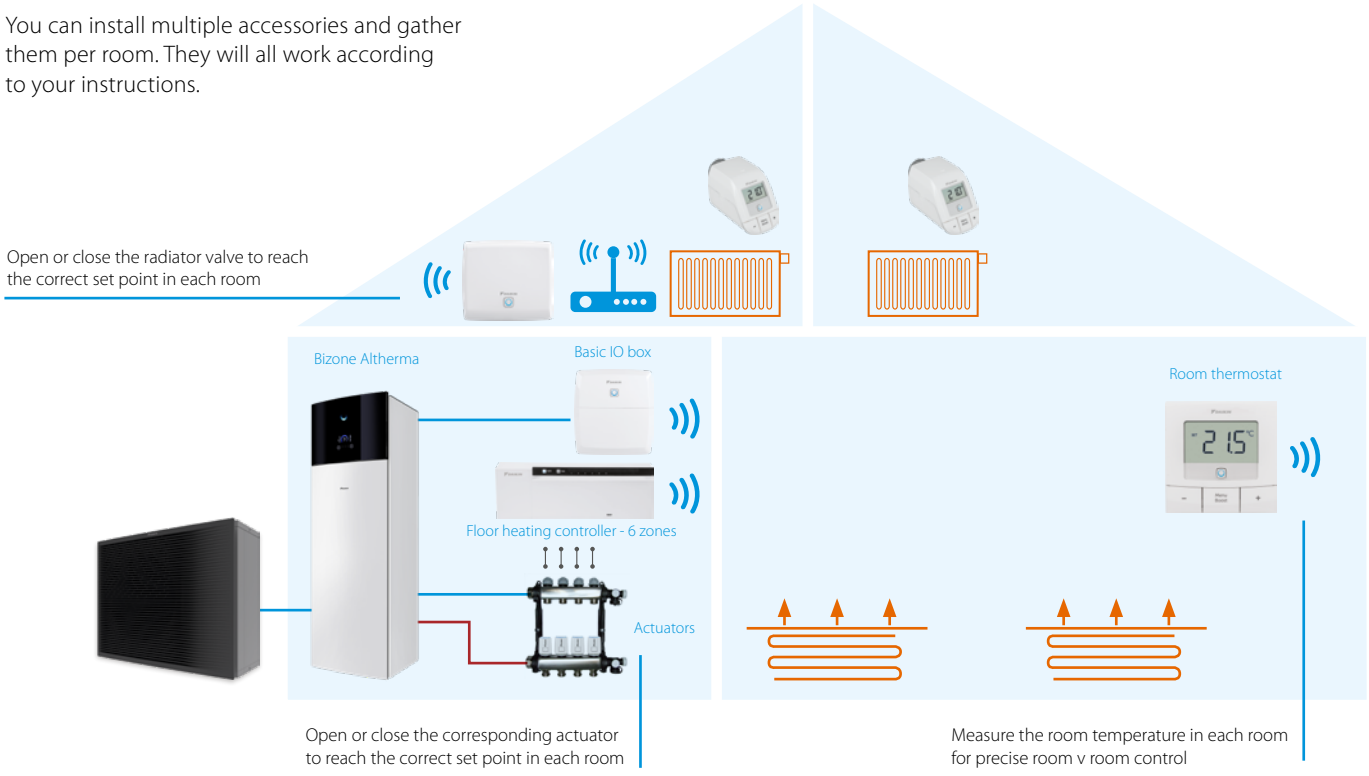




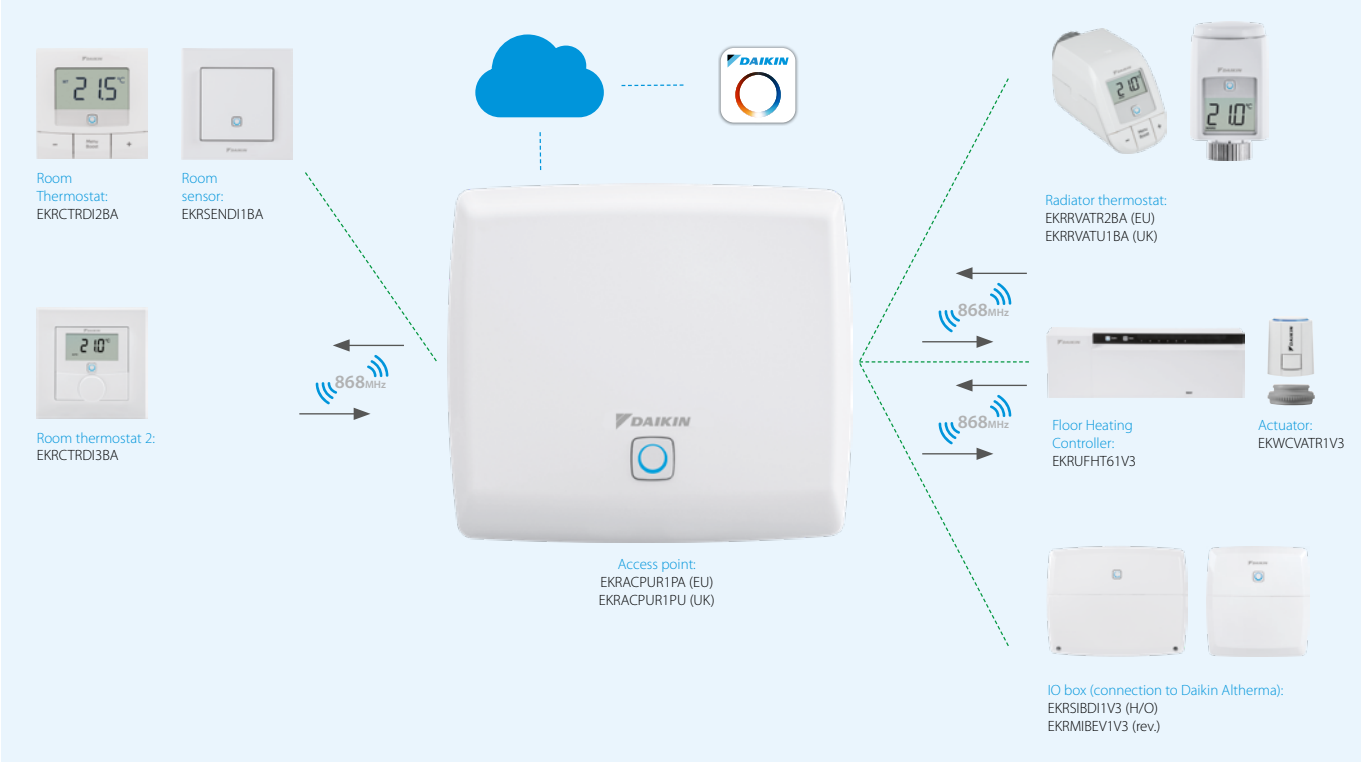
Individual room overview

Room control made easy

You can install multiple accessories and gather them per room. They will all work according to your instructions.



Portfolio overview



Combination table

		Outdoor unit	Indoor unit	
Air-to-water heat pump	**Daikin Altherma 3 H MT** Class 08-10-12	EPRA-E	Floor standing	ETVH/X/Z-E
			ECH$_2$O	ETSH(B)/X(B)-P-E
			Wall mounted	ETBH/X-E
	Daikin Altherma 3 H HT Class 14-16-18	EPRA-DV37/W17	Floor standing	ETVH/X/Z-E
			ECH$_2$O	ETSH(B)/X(B)-P-E
			Wall mounted	ETBH/X-E-
	Daikin Altherma 3 R 4-6-8 kW	ERGA-EV(H)(7)	Floor standing	EHVH/X/Z-E
			ECH$_2$O	ETSH(B)/X(B)-P-E
			Wall mounted	EHBH/X-E
	Daikin Altherma 3 R 11-14-16 kW	ERLA-D	Floor standing	EBVH/X/Z-D
			ECH$_2$O	EBSH/X-D
			Wall mounted	EBBH/X-D
	Daikin Altherma 3 M 4-6-8 kW	EBLA-E		
		EDLA-E		
	Daikin Altherma 3 M 9-11-14-16 kW	EBLA-D		
		EDLA-D		
Ground source heat pump	**Daikin Altherma 3 GEO**		Floor standing	EGSAH/X-D
	Daikin Altherma 3 WS		Floor standing	EWSAH/X-D9W
Hybrid heat pump	**Daikin Altherma R Hybrid**	EVLQ-CV3	Wall mounted	EHYHBH-AV32 + EHYKOMB-A
	Daikin Altherma H Hybrid	EJHA-AV3	Wall mounted	EHY2KOMB28/32A A



Onecta App

Now available with voice control

The Onecta App is for those who live their life on the go and who want to manage their heating system from their smartphone.



onecta

NEW

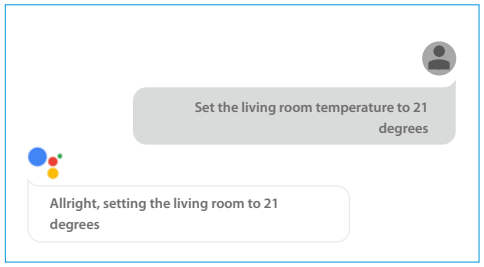
Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

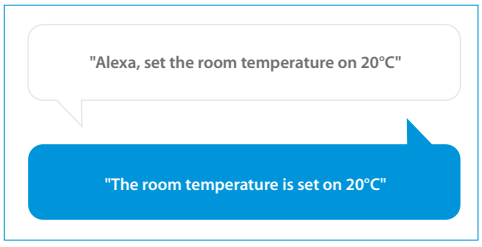
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.

works with the Google Assistant

amazon alexa



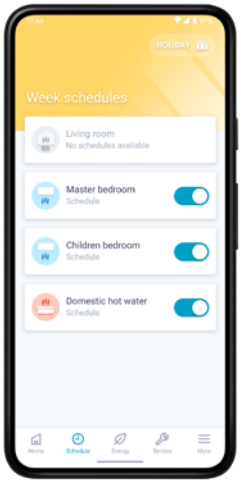
Example of using the voice control via Google Assistant



Example of using the voice control via Amazon Alexa



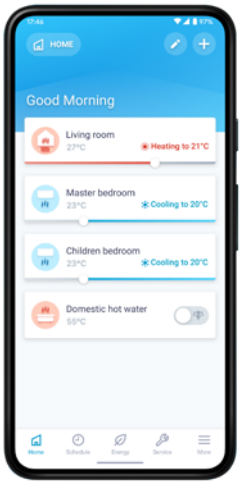




Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

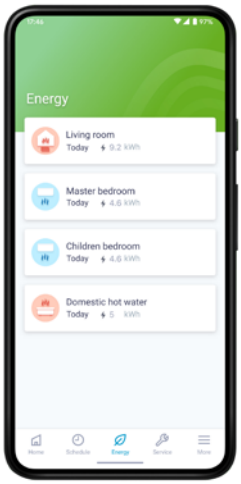
- ☑ Schedule room temperature and operation mode
- ☑ Enable holiday mode to save costs



Control

Customise the system to fit your lifestyle and year-round comfort levels.

- ☑ Change room and domestic hot water temperature
- ☑ Turn on powerful mode to boost hot water production



Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- ☑ Check the status of the heating system
- ☑ Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode.
The app functionality is only available if both the Daikin system and the app have a reliable internet connection.

Available on the App Store | GET IT ON Google Play

Scan the QR code to download the app now


DAIKIN

Heating & cooling emitters

Daikin Altherma UFH	250
Daikin Altherma HPC floor standing	256
Daikin Altherma HPC wall mounted	258
Daikin Altherma HPC concealed	259

Daikin Altherma UFH

Underfloor heating

Your comfortable climate, day after day

Desired temperature at any time of year

Our heating systems make for a comfortable home.
Heat generators such as an air-water heat pump use regenerative environmental energy as a heat source and so reduce energy consumption and keep costs to a minimum. But what about air conditioning of the rooms in summer? Very few residential buildings have air conditioning for a pleasant and comfortable temperature even on hot summer days and nights. That's changing now. With a heating system that not only provides comfortable warmth in winter, but also gentle cooling in summer throughout the entire building. And all this with very economical operation and no additional purchase costs.

Regenerative heating in winter, gentle cooling in summer

The Daikin heat pump really comes into its own when combined with a Daikin underfloor heating system. For cooling, the heat pump process is simply reversed, i.e. heat is extracted from the building and released into the environment. The room is cooled mainly by the underfloor heating system. The large surface makes for a very pleasant and draught-free room climate. Invisible and noiseless, even in cooling mode.

Clever combination: Underfloor heating and convector fan

A convector fan is used in rooms without underfloor heating to handle the dual functions of heating and cooling. It is the ideal complement to the Daikin heat pump if not all rooms have underfloor heating. Its very quiet operation means it can even be used in bedrooms. The integrated electronic room temperature control unit ensures an optimal climate in every room.

Maximum comfort and maximum savings – all-inclusive

With the existing or optionally available cooling function of the Daikin air-water heat pump, you can enjoy both heating and cooling in rooms with underfloor heating without any further outlay or investment. The operating costs for this additional comfort are also low.

Daikin Altherma ST solar thermal sytem: Minimizes energy costs

The integration of a solar system, which additionally contributes heating in winter from free solar energy, offers maximum living comfort with minimal energy costs.

	System temperatures 35 °C - 45 °C			System temperatures 55 °C - 70 °C		Option
Areas of application:	**Monopex**	**Monopex cut**	**Monopex Industrial**	**System 70**	**System 70 Industrial**	**Heat pump convector**
New building	•			(•)*		•
Modernisation with additional height						•
Modernisation without additional height		•				•
Underfloor heating combined with radiator				•	•	•
Heating and cooling (in combination with heat pump)	•	•	•			•
Wall heating						
Large areas			•		•	
Heat generators						
Boilers	•	•	•	•	•	•
Heat pump (low-temperature heating)	•	•	•			•

* If system temperature of the heat generator requires 55 °C - 70 °C in the flow line



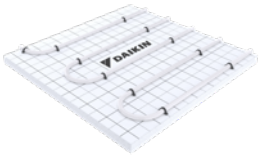
Monopex
The underfloor heating for low system temperatures. Ideal in combination with heat pumps.
› Monopex 14 for floor structures with system or tacker panel, wall heating and the Daikin milling system
› Monopex 16 (for France) for floor installation with system or tacker panels
› Monopex 17 for floor installation with system or tacker panels
› Monopex 20 for commercial and industrial surfaces



Clip rail for wall heating
Clip rail combined with Monopex 14 for wall heating.
Systems: Monopex 14



Protect system plate
The Protect system plate consists of a nub plate with an additional surface protection layer made of deep-drawn polystyrene to protect the heating pipe during installation.
Systems: Monopex



Tacker system
The Daikin tacker panel for underfloor heating pipes is available as a folding panel and roller track with laminated high-strength film, and is ideal for laying heating pipes over large surfaces (e.g. commercial buildings).
Systems: Monopex



RMV heating circuit distributor
Heating circuit manifold in stainless steel. For all Daikin underfloor heating and radiator connection systems.



RMX heating circuit manifold
Heating circuit manifold made of heat-stabilised, glass fiber reinforced polyamide. For all Daikin underfloor heating and radiator connection systems.



Room controller
The room thermostat ensures convenient and individual control of the room temperature and impresses with its flat design and construction.
Versions:

Wireless version
› Wireless without battery

Wired version
› LED display: Heating/cooling (red/blue)
› Read all status messages



Basic module with integrated power pack and clock module
› Basic module with integrated power pack to supply the control unit (wireless and wired) plus optional clock module
› Optimal interface to Daikin heat generators



Clock module to supplement basic module:
› 2 reduction times for heating circuits
› Pump stopping time
› Removable from the basic module for easy operation



Daikin Altherma HPC heat pump convector
› Slim design
› Heating and cooling
› Integrated electronic room temperature controller with timer
› Very quiet and compact
› Also suitable for bedrooms
› Ideal in buildings with underfloor heating and radiators

Segmentation 1	Segmentation 2	Segmentation 3	Description	Product Name	Material Name
Piping					
UFH heating pipes	PEHD-Xc	Single pipe	MONOPEX® ø14 X 2 DD - 120	EMOPX14120AA	EMOPX14120A
			MONOPEX® ø14 X 2 DD - 240	EMOPX14240AA	EMOPX14240A
			MONOPEX® ø14 X 2 DD - 600	EMOPX14600AA	EMOPX14600A
			MONOPEX® ø17 X 2 DD - 120	EMOPX17120AA	EMOPX17120A
			MONOPEX® ø17 X 2 DD - 240	EMOPX17240AA	EMOPX17240A
			MONOPEX® ø17 X 2 DD - 600	EMOPX17600AA	EMOPX17600A
			MONOPEX ø20 X 2 DD - 400	EMOPX20400AA	EMOPX20400A
Floorplates					
Wet system Floorplates	Napplates	Diagonal With insulation	Protect Integral 27-2	EPROTECTIN272AA	EPROTECTIN272A
			Protect 11	EPROTECT11AA	EPROTECT11A
	Tacker	Tacker System	Tackerplate	ETACKERPLATEAA	ETACKERPLATEA
			Tackerplate roll	ETACKERPLATERAA	ETACKERPLATERA
Pipe accesories	Protection Pipe		Protection pipe 16/21	EPROTEPIP1621AA	EPROTEPIP1621A
			Protection pipe 19/25	EPROTEPIP1925AA	EPROTEPIP1925A
			Protection pipe 23/28	EPROTEPIP2328AA	EPROTEPIP2328A
Wall/side-strips					
Installation accesory	Plate accesories	Wall/side-strips	Side-strip for screed floor RDS	ESIDESTRIPRDSAA	ESIDESTRIPRDSA
			Closing cord floating screed floor RDS (in knob plate)	ESEALLINERDSAA	ESEALLINERDSA
			Side-strip for concrete floor RDS-I	ESIDESTRPRDSIAA	ESIDESTRPRDSIA
			Extension joint profile - carton	EXPANSIOJOICAA	EXPANSIOJOICA
			Extension joint profile - PP or PE	EXPANSIOJOIPEAA	EXPANSIOJOIPEA
	Screed Material				
	Screed		Screed Estrolith H2000	ESCREDEST2000AA	ESCREDEST2000A
			Screed Temporex	ESCREDTEMPREXAA	ESCREDTEMPREXA
			Screed Estrotherm S	ESCREDESTROSAA	ESCREDESTROSA
	Plate accesories	Primer	Surface primer 3,5kg	ESURFPRIMER35AA	ESCREDESTROSA
			Surface primer 15kg	ESURFPRIMER15AA	ESURFPRIMER35A
		In pipe protection fluid	Freeze and corrosion protection	EFREZCOPROTECAA	EFREZCOPROTECA
	Accessories				
	Tacker accesories	Tacker installation	System tacker STAC (tacker gun)	ESYSTACERSTACAA	ESYSTACERSTACA
		Tacker nail	Tacker nail TN40	ETACKERNAIL40AA	ETACKERNAIL40A
			Tacker nail TN60	ETACKERNAIL60AA	ETACKERNAIL60A
		Tape	Tape KB50	ETAPEKB50AA	ETAPEKB50A
	Wall system accessories	Cliprail	Cliprail	ECLIPRAILAA	ECLIPRAILA
		Cliprail accessories	Cliprail nail	ECLIPRAILNAILAA	ECLIPRAILNAILA
			Cliprail plug	ECLIPRAILPLUGAA	ECLIPRAILPLUGA
	Pipe accesories	Pipe clips	Pipe clips (Monopex 17/20)	EPIPECLIPMOPXAA	EPIPECLIPMOPXA
			Pipe clips (DUO25)	EPIPECLIPDUOAA	EPIPECLIPDUOA
Accessory		Manual pipe handling	Pipe fixation for steel frame	EPIPEFIXSTEELAA	EPIPEFIXSTEELA
			Pipe damage recoverator	EPIPEDAMGERECAA	EPIPEDAMGERECA
			Combined pipe cutter and stripping pilers RAZ1	EPIPCUTSTRAZ1AA	EPIPCUTSTRAZ1A
			Pipe cutter	EPIPECUTTERAA	EPIPECUTTERA
		PE Foil	PE Foil, 0,2 mm, 5 cm Raster	EPEFOILRASTERAA	EPEFOILRASTERA
		Pipe rolling machine			
		Pipe roll out	Pipe rolling machine 1 (Service)	915038	915038
			Pipe rolling machine 2 (Service)	915039	915039
			Pipe rolling machine 3 (Service)	915040	915040
		Pipe bend			
		Pipe bend	Pipe bend for 14-18	EPIPEBEND1418AA	EPIPEBEND1418A
			Pipe bend for 20-22	EPIPEBEND2022AA	EPIPEBEND2022A

UFH collector					
Collector	RMV/RMX collector	RMV collector (Stainless steel)	RMV 2	ECOLLECTRMV2AA	ECOLLECTRMV2A
			RMV 3	ECOLLECTRMV3AA	ECOLLECTRMV3A
			RMV 4	ECOLLECTRMV4AA	ECOLLECTRMV4A
			RMV 5	ECOLLECTRMV5AA	ECOLLECTRMV5A
			RMV 6	ECOLLECTRMV6AA	ECOLLECTRMV6A
			RMV 7	ECOLLECTRMV7AA	ECOLLECTRMV7A
			RMV 8	ECOLLECTRMV8AA	ECOLLECTRMV8A
			RMV 9	ECOLLECTRMV9AA	ECOLLECTRMV9A
			RMV 10	ECOLLECTRMV10AA	ECOLLECTRMV10A
			RMV 11	ECOLLECTRMV11AA	ECOLLECTRMV11A
			RMV 12	ECOLLECTRMV12AA	ECOLLECTRMV12A
		RMX Collector (Plastic)	RMX 2	ECOLLECTRMX2AA	ECOLLECTRMX2A
			RMX 3	ECOLLECTRMX3AA	ECOLLECTRMX3A
			RMX 4	ECOLLECTRMX4AA	ECOLLECTRMX4A
			RMX 5	ECOLLECTRMX5AA	ECOLLECTRMX5A
			RMX 6	ECOLLECTRMX6AA	ECOLLECTRMX6A
			RMX 7	ECOLLECTRMX7AA	ECOLLECTRMX7A
			RMX 8	ECOLLECTRMX8AA	ECOLLECTRMX8A
			RMX 9	ECOLLECTRMX9AA	ECOLLECTRMX9A
			RMX 10	ECOLLECTRMX10AA	ECOLLECTRMX10A
			RMX 11	ECOLLECTRMX11AA	ECOLLECTRMX11A
			RMX 12	ECOLLECTRMX12AA	ECOLLECTRMX12A
		UFH collector Accessories			
		Collector acc	Extension 1 zone	EXTENSIONZONEAA	EXTENSIONZONEA
			Flow sensor DMR RMX	EFLOSENDMRRMXAA	EFLOSENDMRRMXA
			COUPLING NIPPLE ¾" EUROCONE SKU	ECLUTCHNIPSKUAA	ECLUTCHNIPSKUA
			Shut off valve	ESHUTOFVALVEAA	ESHUTOFVALVEA
			AlPex coupling	EAIPEXCOUPLINAA	EAIPEXCOUPLINA
		Set ring	Set ring DUO 17	ESERIMOPXDU17AA	ESERIMOPXDU17A
			Set ring Monopex 14 x 2,2	ESERIMOPX14AA	ESERIMOPX14A
			Set ring Monopex 16 x 2,2	ESERIMOPX1622AA	ESERIMOPX1622A
			Set ring Monopex 17	ESERIMOPX17AA	ESERIMOPX17A
			Set ring DUO 25	ESERIMOPXDU25AA	ESERIMOPXDU25A
			Set ring Monopex 16 x 1,5	ESERIMOPX1615AA	ESERIMOPX1615A
			Set ring Monopex 20	ESERIMOPX20AA	ESERIMOPX20A
		Collector acc	Connection set ASH1	ECONECSETASH1AA	ECONECSETASH1A
	HKV	Set ring	Shut of for set ring	ESETRINGSHTOFAA	ESETRINGSHTOFA
Calorimeter			Calorimeter	ECALORIMETERAA	ECALORIMETERA
		Combi box	Combi box	ECOMBIBOXAA	ECOMBIBOXA
Wall Box					
	RMV/RMX	In wall collector box	In wall until RMX4/RMV3 (HKV compatible)	EIWRX4RV3AA	EIWRX4RV3A
			In wall until RMX7/RMV6 (HKV compatible)	EIWRX7RV6AA	EIWRX7RV6A
			In wall until RMX10/RMV9 (HKV comptaible)	EIWRX10RV9AA	EIWRX10RV9A
			In wall until RMX14/RMV13 (HKV compatible)	EIWRX14RV13AA	EIWRX14RV13A
			In wall until RMX14/RMV13 + calorimeter (HKV compatible)	EIWRX14RV13CLAA	EIWRX14RV13CLA
	HKV/RMX/RMV	On wall collector box	On-wall until HKV7/RMX7/RMV6	EOWHV7RX7RV6AA	EOWHV7RX7RV6A
			On-wall until HKV10/RMX10/RMV9	EOWH10RX10R9AA	EOWH10RX10R9A
			On-wall until HKV14/RMX14/RMV12	EOWH14RX14R12AA	EOWH14RX14R12A
			On-wall until HKV14/RMX14/RMV12 + calorimeter	EOWH14R14R12CAA	EOWH14R14R12CA
Console					
		Fixation console	Fixation console STK 40 for WEK40	EFCSTK40WEK40AA	EFCSTK40WEK40A
			Fixation console STK 45 for WEK45	EFCSTK45WEK45AA	EFCSTK45WEK45A
Controllers					
Controllers		Wired controllers	Base module UFH-BM	EKW175137	EKW175137
			Clock module UFH-UM	EKW175138	EKW175138
			Controller module, wire UFH-RMD2	EKW175141	EKW175141
			Controller module, wire UFH-RMD6	EKW175140	EKW175140
			Room controller, wire UFH-RD	EKW175139	EKW175139
		Wireless controllers	Rocon UFH wireless UFH-RT	175142	175142
			Base station 6 channels wireless UFH-RMF6A	175143	175143
			2 channels extra wireless UFH-RMF2A	175144	175144
		Actuators	Valve actuator RMV/RMX/HKV	EKWCVATR1V3	EKWCVATR1V3
		Base station/ Thermostat	Base station 10 zones	EKWUFHTA1V3	EKWUFHTA1V3
			Digital thermostat 230V	EKWCTRDI1V3	EKWCTRDI1V3
			Analog thermostat 230V	EKWCTRAN1V3	EKWCTRAN1V3

Heat pump convectors Daikin Altherma HPC

What is

a heat pump convector?

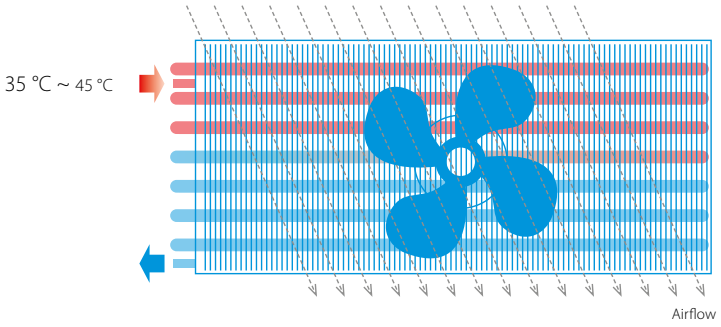
Daikin Altherma HPC provides both cooling and heating. The system is compatible with underfloor piping and radiators in a multi-zoning installation, or can replace radiators in combination with low temperature heat pumps. The unit is suited for use in bedrooms and living rooms thanks to its silent operation.

How does it work?

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, the convection process is faster because there is a small fan behind it, speeding up the heating cycle.

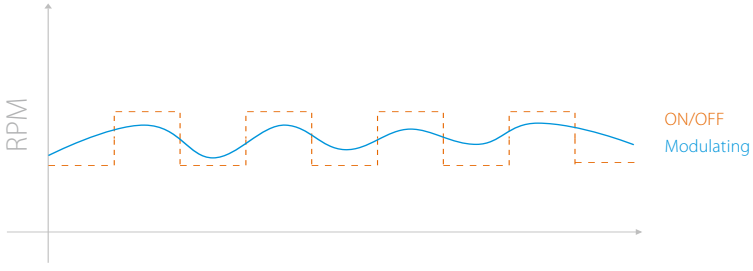
A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures inside the radiator, which in the long run contributes to direct energy savings for end users.

› Optimized for newly built houses.
› Can be set at low water temperature (35 °C) which makes it ideal for heat pump applications.



Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.



DC Inverter

Daikin Altherma HPC uses the latest technologies to consume less electricity down to 3W of standby power input.

Natural symbiosis

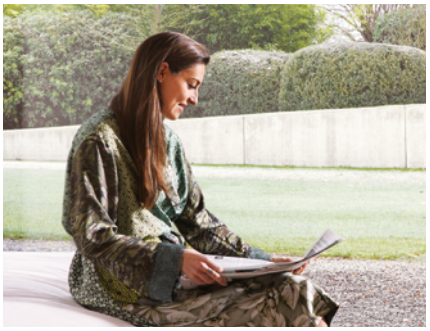
with heat pumps

By running on low temperature, Daikin Altherma heat pump convectors naturally fit with Daikin heat pumps. The heat pump convector range is made of 3 models:

1. Floor standing model with indoor air quality control (optional)
2. Wall mounted model with remote control
3. Concealed model hidden in the ceiling or wall



Daikin Altherma HPC Floor standing model



The floor standing heat pump convector impresses with its low sound operations, and its slim design that received the RedDot Award 2020. Next to heating and cooling, the unit can also provide indoor air quality control.

Why Indoor Air Quality Matters

Indoor Air Quality (IAQ) refers to the air quality in a building or structure, breathed in every day by the building's occupants.

When planning new residential buildings, schools, offices or light commercial buildings, many things must be considered. Besides structural factors, there are also the topics of heating, cooling and something often neglected: indoor air quality.

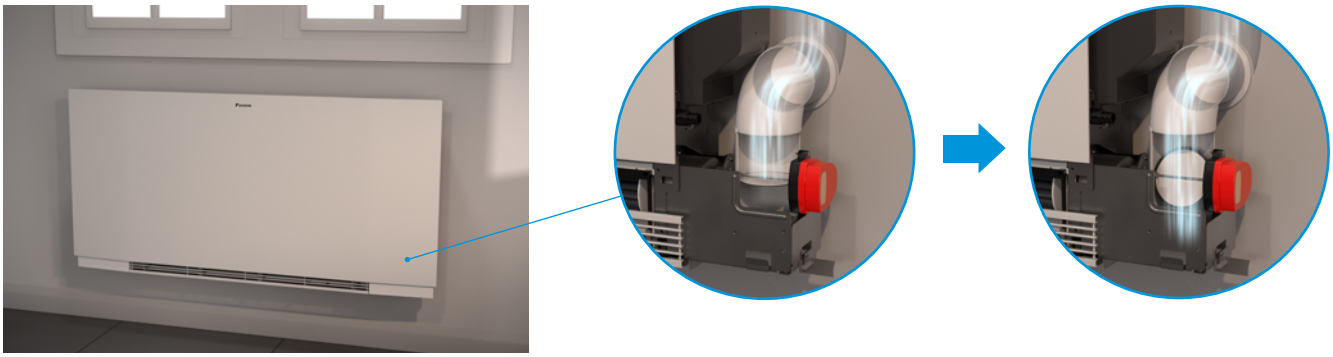
Did you know that the indoor air we breathe, whether at home, at the office, or in a hotel room could in fact be much more polluted than the air outside?

- 90% of our lives is spent indoors
- Indoor air quality can be 2 to 5 times worse than outdoor air quality because of pollutants, such as pollen, bacteria, etc.



How does Daikin Altherma HPC ensure a healthy and comfortable indoor air quality?

When a pollutant level of indoor air is reached, the IAQ sensor opens a damper, which allows fresh air to come in. The incoming fresh air is immediately heated or cooled (depending on the demand) by the heat pump convector. In this way the indoor air remains of good quality while comfort is ensured.

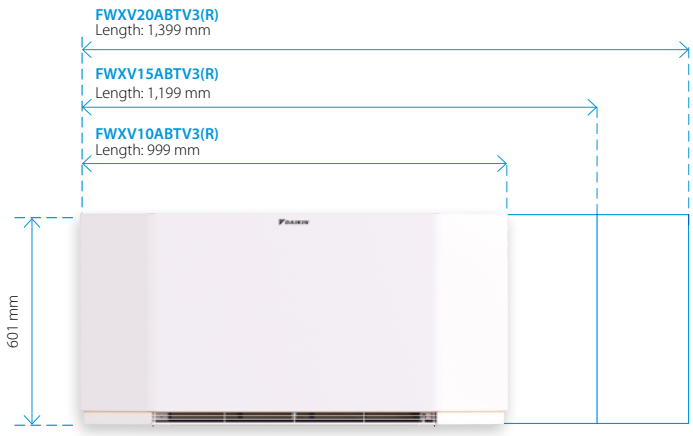




Slim design

reddot winner 2020

The floor standing Daikin Altherma HPC has a depth of only 135 mm that fits any house or apartment. Its optimised design was rewarded with the Reddot Design Award 2020.



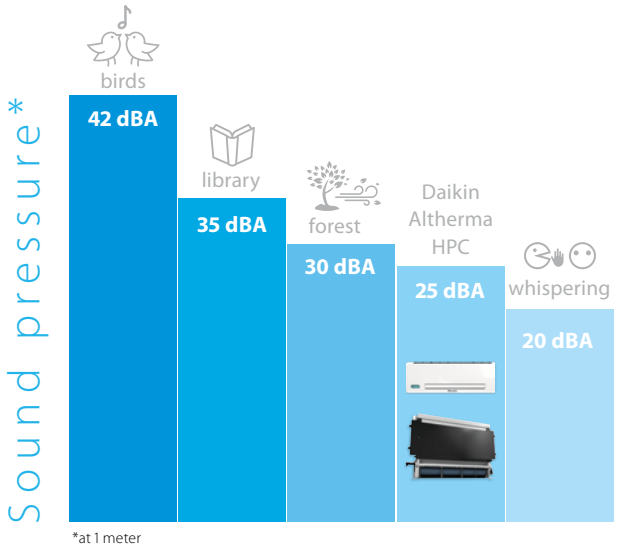
Fast and high capacity

The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high-capacity heating or cooling faster and can be set at ultra-low temperatures (35/30 °C regime).



Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. For the wall mounted and concealed units, the sound pressure measures 25dB(A) at 1m when the fan is on low-speed setting. Even lower sound pressure in super-silent mode (night mode).



*at 1 meter

Controls

Daikin offers a wide variety of controllers that are functional and have a great design.

EKRTCTRL1



- Built-in controller
- Fully modulating
- Multicolor display

EKRTCTRL2



- Built-in controller
- 4 speed settings

EKWHCTRL1



- Wall controller
- Fully modulating
- In combination with EKWHCTRL0

EKPCBO



- Built-in controller
- ON/OFF
- In combination with external thermostats

EKWHCTRL1A



- Wall controller
- Fully modulating
- In combination with EKWHCTRL0
- Includes indoor air quality sensor

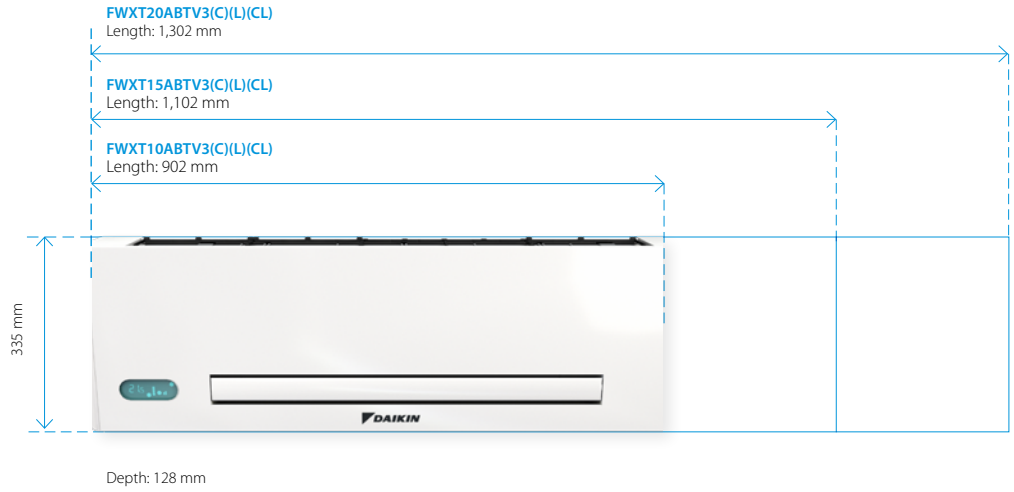


Wall-mounted model

Thanks to its slim design, our wall-mounted unit blends in with your interior discreetly while helping you save valuable floor space.

Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves.



Controls

Choice of:

› Fully modulating controller allowing for remote control of the unit.
› Infrared remote controller and on-board touch panel.

EKWHCTRL1



› Wall controller
› Fully modulating
› For models FWXT-ABTV3(L)

Infrared remote controller



› Remote
› Fully modulating
› For models FWXT-ABTV3C(L)

Compactness



1 Slim depth
The depth of 128 mm is an outstanding technical achievement that ensures a perfect fit in any home.

2 More space for valves
Ease of installation: the space for hydraulic valves is wide and easily accessible.

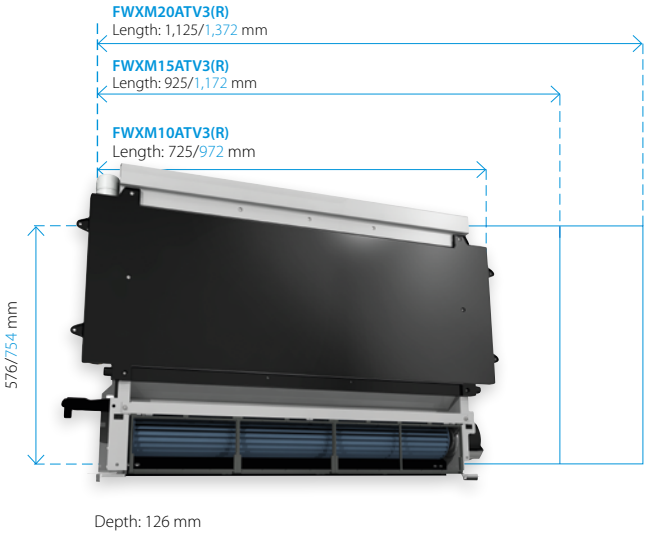
3 Modulated airflow
When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound.



Concealed model

Forget about your heating or cooling installation altogether: our concealed model vanishes into the wall or ceiling for visual comfort while preserving its unique heating and cooling capabilities.

Slim design



Blue dimensions are for the front cover.

Controls

EKWHCTRL1



- Wall controller
- Fully modulating
- In combination with EKWHCTRL0

Flexible installation

Daikin Altherma HPC can be installed in four different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally or vertically. For horizontal, in-ceiling installation, three different possibilities are offered:

- Horizontal cover panel and vertical grille for air outlet
- Horizontal intake grille and vertical grille for air outlet
- Horizontal intake and outlet grilles





More details and final information can be found by scanning or clicking the QR codes.

FWXV-ATV3

FWXV-ATV3R

Indoor unit					**FWXV10ABTV3(R)**	**FWXV15ABTV3(R)**	**FWXV20ABTV3(R)**
Cooling capacity at 7/12 °C	Min.			kW	0.78	1.10	1.13
	Med.			kW	1.11	1.65	1.98
	Max.			kW	1.62	2.64	2.99
Sensible cooling capacity at 7/12 °C	Min.			kW	0.58	0.82	0.85
	Med.			kW	0.71	1.15	1.55
	Max.			kW	1.25	1.91	2.33
Heating capacity at 45/40 °C	Min.			kW	0.87	1.12	1.11
	Med.			kW	1.27	1.83	2.32
	Max.			kW	1.96	2.86	3.50
Power input	Min.			W	6	7	8
	Med.			W	10	13	15
	Max.			W	19	25	31
Fan speed	Min.			RPM		720	
	Med.			RPM		1,220	
	Max.			RPM		1,700	
Casing	Colour					White, RAL 9003	
	Material					Metal sheet	
Dimensions	Unit	Height		mm		601	
		Width		mm	999	1,199	1,399
		Depth		mm		135	
	Packed unit	Height		mm		690	
		Width		mm	1,230	1,430	1,630
		Depth		mm		210	
Weight	Unit			kg	20	23	26
	Packed unit			kg	21	24	27
Packing	Material					Carton	
	Weight			kg		1	
Heat exchanger	Quantity					1	
	Internal coil volume			l	0.80	1.13	1.46
		Max Operating pressure		bar		10	
Water circuit	Piping connections diameter			inch		3/4" male	
	Piping material					Copper	
	Heating - Water pressure drop at 45/40 °C	Min.		kPa	7	9	8
		Med.		kPa	8	14	15
		Max.		kPa	11	23	22
	Cooling - Water pressure drop at 7/12 °C	Min.		kPa	7	9	8
		Med.		kPa	8	14	15
		Max.		kPa	11	23	22
	Heating - Water flow rate at 45/40 °C	Min.		kg/h	150	193	191
		Med.		kg/h	218	315	399
		Max.		kg/h	337	492	602
	Cooling - Water flow rate at 7/12 °C	Min.		kg/h	134	189	194
		Med.		kg/h	191	284	341
		Max.		kg/h	279	454	514
	Pressure	Heating/Max.		bar		10	
Sound power level	Min.			dBA	40	42	43
	Med.			dBA	47	49	50
	Max.			dBA	56	57	58
Operation range	Heating	Water side	Min.	°C		30	
			Max.	°C		85	
	Cooling	Water side	Min.	°C		5	
			Max.	°C		18	
	Indoor installation	Ambient	Min.	°CDB		0	
			Max.	°CDB		45	
Control systems	Infrared remote control					no	
	On-board control					yes	
Electrical specifications					**FWXV10ABTV3(R)**	**FWXV15ABTV3(R)**	**FWXV20ABTV3(R)**
Power supply	Phase					1	
	Frequency			Hz		50	
	Voltage			V		230	
Electrical power consumption	Max.			W	19	25	31
	Standby			W	3	4	5
Current	Maximum running current			A	0.15	0.21	0.27

More details and final information can be found by scanning or clicking the QR codes.

FWXT-ATV3 FWXT-ATV3C FWXT-ATV3L FWXT-ATV3CL

Indoor unit					**FWXT10ABTV3(C)(L)(CL)**	**FWXT15ABTV3(C)(L)(CL)**	**FWXT20ABTV3(C)(L)(CL)**
Cooling capacity at 7/12 °C	Min.			kW	0.49	0.62	0.70
	Med.			kW	0.88	1.08	1.21
	Max.			kW	1.24	1.61	1.94
Sensible cooling capacity at 7/12 °C	Min.			kW	0.37	0.52	0.57
	Med.			kW	0.70	0.86	1.02
	Max.			kW	0.98	1.27	1.52
Heating capacity at 45/40 °C	Min.			kW	0.55	0.79	0.74
	Med.			kW	1	1.36	1.55
	Max.			kW	1.50	2.01	2.13
Power input	Min.			W		5	
	Mid.			W	8	9	10
	Max.			W	19	20	29
Fan speed	Min.			RPM		680	
	Med.			RPM		1,100	
	Max.			RPM		1,500	
Casing	Colour					White, RAL 9003	
	Material					Metal sheet	
Dimensions	Unit	Height		mm		335	
		Width		mm	902	1,102	1,302
		Depth		mm		128	
	Packed unit	Height		mm		490	
		Width		mm	1,030	1,230	1,430
		Depth		mm		210	
Weight	Unit			kg	14	16	19
	Packed unit			kg	15	17	20
Packing	Material					Carton	
	Weight			kg		1	
Heat exchanger	Quantity					1	
	Internal coil volume			l	0.50	0.61	0.77
		Max Operating pressure		bar		10	
Water circuit	Piping connections diameter			inch		3/4" male	
	Piping material					Copper	
	Heating - Water pressure drop at 45/40 °C	Min.		kPa	5.10	4.81	6
		Med.		kPa	12	6.30	6.40
		Max.		kPa	16.30	7.20	8.10
	Cooling - Water pressure drop at 7/12 °C	Min.		kPa	4.80	4.70	5.50
		Med.		kPa	10.50	5.60	5.40
		Max.		kPa	11.70	5.10	5.30
	Heating - Water flow rate at 45/40 °C	Min.		kg/h	100	140	150
		Med.		kg/h	170	240	300
		Max.		kg/h	260	350	420
	Cooling - Water flow rate at 7/12 °C	Min.		kg/h	80	110	120
		Med.		kg/h	150	190	210
		Max.		kg/h	210	280	330
	Pressure	Heating/Max.		bar		10	
Sound power level	Min.			dBA	35	36	37
	Med.			dBA	46	47	48
	Max.			dBA	53	54	55
Operation range	Heating	Water side	Min.	°C		30	
			Max.	°C		85	
	Cooling	Water side	Min.	°C		5	
			Max.	°C		18	
	Indoor installation	Ambient	Min.	°CDB		0	
			Max.	°CDB		45	
Control systems	Infrared remote control					yes for -C models	
	On-board control					yes	
Electrical specifications					**FWXT10ABTV3(C)(L)(CL)**	**FWXT15ABTV3(C)(L)(CL)**	**FWXT20ABTV3(C)(L)(CL)**
Power supply	Phase					1	
	Frequency			Hz		50	
	Voltage			V		230	
Electrical power consumption	Max.			W	19	20	29
	Standby			W	3	4	5
Current	Maximum running current			A	0.16	0.18	0.24

More details and final information can be found by scanning or clicking the QR codes.

FWXM-ATV3

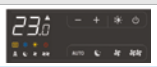
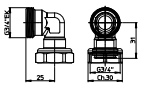
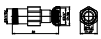
FWXM-ATV3R

Indoor unit					**FWXM10ATV3(R)**	**FWXM15ATV3(R)**	**FWXM20ATV3(R)**
Cooling capacity at 7/12 °C	Min.			kW	0.75	1.15	1.32
	Med.			kW	1.36	2.08	2.39
	Max.			kW	2.12	2.81	3.30
Sensible cooling capacity at 7/12 °C	Min.			kW	0.59	0.83	1.02
	Med.			kW	1.07	1.51	1.84
	Max.			kW	1.72	2.11	2.71
Heating capacity at 45/40 °C	Min.			kW	0.82	1.20	1.47
	Med.			kW	1.53	2.16	2.59
	Max.			kW	2.21	3.02	3.81
Power input	Min.			W	4	6	5
	Med.			W	8	11	11
	Max.			W	19	20	29
Fan speed	Min.			RPM		680	
	Med.			RPM		1,100	
	Max.			RPM		1,500	
Casing	Material					No casing	
Dimensions	Unit	Height		mm		576	
		Width		mm	725	925	1,125
		Depth		mm		126	
	Packed unit	Height		mm		690	
		Width		mm	830	1,030	1,230
		Depth		mm		210	
Weight	Unit			kg	12	15	18
	Packed unit			kg	13	16	19
Packing	Material					Carton	
	Weight			kg		1	
Heat exchanger	Quantity				1	1	1
	Internal coil volume			l	0.80	1.13	1.46
		Max Operating pressure		bar		10	
Water circuit	Piping connections diameter			inch		3/4" male	
	Piping material					Copper	
	Heating - Water pressure drop at 45/40 °C	Min.		kPa	1.50	2.70	3
		Med.		kPa	4.30	9.30	8.90
		Max.		kPa	1.90	19.10	21.20
	Cooling - Water pressure drop at 7/12 °C	Min.		kPa	1.90	2.70	2.50
		Med.		kPa	4.30	9.90	8.80
		Max.		kPa	8.20	17.10	18
	Heating - Water flow rate at 45/40 °C	Min.		kg/h	141	206	253
		Med.		kg/h	263	372	445
		Max.		kg/h	380	519	655
	Cooling - Water flow rate at 7/12 °C	Min.		kg/h	129	198	227
		Med.		kg/h	234	358	411
		Max.		kg/h	365	483	568
	Pressure	Heating/Max.		bar		10	
Sound power level	Min.			dBA	35	36	36
	Med.			dBA	45	46	47
	Max.			dBA	53	54	55
Operation range	Heating	Water side	Min.	°C		30	
			Max.	°C		85	
	Cooling	Water side	Min.	°C		5	
			Max.	°C		18	
	Indoor installation	Ambient	Min.	°CDB		0	
			Max.	°CDB		45	
Control systems	Infrared remote control					no	
	On-board control					no	
Electrical specifications					**FWXM10ATV3(R)**	**FWXM15ATV3(R)**	**FWXM20ATV3(R)**
Power supply	Phase					1	
	Frequency			Hz		50	
	Voltage			V		230	
Electrical power consumption	Max.			W	19	20	29
	Standby			W	3	4	5
Current	Maximum running current			A	0.16	0.18	0.26





FWXV10ABTV3(R)	FWXT10ABTV3(C)(L)(CL)	FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)
FWXV15ABTV3(R)	FWXT15ABTV3(C)(L)(CL)			
FWXV20ABTV3(R)	FWXT20ABTV3(C)(L)(CL)			

Description	Picture	Material name					
On-board electronic control SMART TOUCH with PID full modulating fan and thermostat		EKRTCTRL1	●				
On-board electronic control SMART TOUCH 4 speeds with thermostat		EKRTCTRL2	●				
On-board 4 speeds control switch to be combined with Daikin compatibe thermostats		EKPCBO	●		●	●	●
On board 4 speeds control box to be combine with 4 speed thermostats		EKPCB4S	●		●	●	●
On board 1-10V control box to be combine with 1-10V thermostats		EKPCB10	●		●	●	●
On-board controller for EKWHCTRL1		EKWHCTRL0	●		●	●	●
SMART LCD wall controller with temperature probe, white casing		EKWHCTRL1	●	● (excl. FWXT-ABTV3(C/CL)	●	●	●
SMART LCD wall controller with temperature probe, white casing, including indoor air quality sensor		EKWHCTRL1A	●				
IR remote control				Standard (only FWXT-ABTV3(C/CL))			
Fresh air damper kit		EKFCD80	●				
Aesthetical feet		EKFA	●				
Motorised 2-way valve (FWXV/M)		EK2VK0	●		●	●	●
Motorised 2-way valve (FWXT)		EKT2VK0		●			
Motorised 3-way valve (FWXV/M)		EK3VK1	●		●	●	●
Motorised 3-way valve (FWXT)		EKT3VK1		●			
L-bow 90 °C		EKEUR90	●		●	●	●
Extension piece		EKDIST	●		●	●	●
Condensate collector tray for horizontal installation		EKM10COH	●				
		EKM15COH	●				
		EKM20COH	●				
Metal casing		EKM10CS			●		
		EKM15CS				●	
		EKM20CS					●
Front cover for ceiling installation		EKM10CH			●		
		EKM15CH				●	
		EKM20CH					●
Front cover for wall installation		EKM10CV			●		
		EKM15CV				●	
		EKM20CV					●
Air intake fitting		EKM10DH			●		
		EKM15DH				●	
		EKM20DH					●
90 °C exhaust bend (Horizontal)		EKM10D90			●		
		EKM15D90				●	
		EKM20D90					●
Telescopic air flow duct		EKM10DT			●		
		EKM15DT				●	
		EKM20DT					●
Aluminum air intake grille with straight airflow		EKM10IS			●		
		EKM15IS				●	
		EKM20IS					●
Straight airflow vent		EKM10SV			●		
		EKM15SV				●	
		EKM20SV					●
Aluminum air intake grille with curved airflow		EKM10IC			●		
		EKM15IC				●	
		EKM20IC					●
Aluminum air outlet grille with curved airflow		EKM10CA			●		
		EKM15CA				●	
		EKM20CA					●



Daikin Altherma ST - Solar heating systems

Solar panels for pressurised use and Drain-back system 272
Solar panel - pressurised system 274
Solar panels - drain-back system 276
Solar collector 279
Pump station 279



Daikin Altherma ST

Maximising renewable energy

Why choose a Daikin Altherma ST solar panel?

Daikin's solar panels are designed to complement a variety of heating systems to garner more renewable energy to deliver hot water to your home.

ECH$_2$O

Comfort

- Flexible solar system for pressureless (drain-back) and pressurised solar systems
- Hot tap water and heating support generated by solar energy
- Highly efficient flat solar panels that are available in 3 installation options:
  - On roof
  - In-roof
  - Flat roof

Energy efficiency

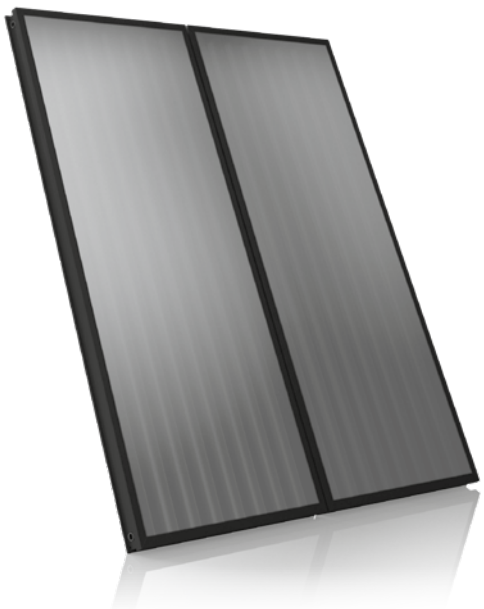
ECH$_2$O thermal store range:
Hot water savings with solar energy

Reduce your energy costs by taking advantage of the sun's renewable energy with our solar hot water systems. Built for small and large homes, individuals can choose between a pressureless or pressurised hot water system.

Reliability

Keymark Certificate

- Daikin's solar collectors have been awarded the Solar Keymark certification. Recognised across Europe, the Keymark for solar thermal products helps users select quality solar collectors. In most European countries this certification is mandatory for the products to be eligible for subsidies



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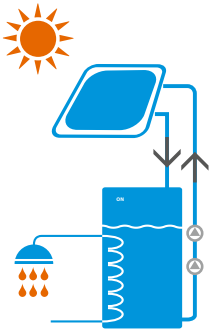
The Drain-Back solar system

How is it working?

› Starting the pump station engages the filling of the primary network and ensures the energy transfer from the solar collectors to the thermal store.
› Whenever the pump station stops working, the water contained in the collectors goes down back to the thermal store
› The air intake allowing the draining is ensured by an orifice always placed out of water (at atmospheric pressure)
› Thanks to this unique way of working, no safety devices, safety valves, expansion vessels, anti-return valve or glycol are necessary

Advantages

› 0 % glycol: the liquid carrying the heat is only the water inside the system
› Self-working system with the pump station modulations depending the temperatures inside the collectors and the thermal store
› Automatic management of the defrost mode and avoidance of overheating mode
› No commissioning on the solar system, no replacement of the heat-carrying liquid



The pressurised solar system

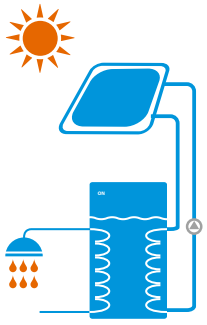
How is it working?

› The heat-carrying liquid is mixed with glycol to avoid freezing in the solar collectors system
› Whenever the solar collectors reach an useful temperature level, the system provides a continuous supply of energy
› The energy from the collectors is returned to the thermal store thanks to the coil

Advantages

Monovalent
› The solar system is used as first heating source and can be coupled with a wall mounted boiler. The cold water is first pre-heated in the thermal store and the boiler can provide additional heat instantaneously if needed

Bivalent
› The solar system integrates a backup heater. The domestic hot water is directly produced in the thermal store. The additional heater ensures the back-up in case of low sunshine



Solar panel - Overview EKSV21P - small vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKSV21P

Solar panel
EKSV21P



Number of solar panels Type of installation Article	Type	Order No.	2 On-roof Quantity	2 In-roof Quantity	3 On-roof Quantity	3 In-roof Quantity	4 On-roof Quantity	4 In-roof Quantity	5 On-roof Quantity	5 In-roof Quantity
Solar panel	EKSV21P	16 20 12-RTX	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16-RTX	1	1	2	2	3	3	4	4
Installation rail for individual solar panel	FIX MP 100	16 20 66	2	2	3	3	4	4	5	5
On-roof installation kit for one solar panel [DB+P)] (2 roof hooks per kit)	FIX-ADDP	16 20 85	4[2)]	0	6[2)]	0	8[2)]	0	10[2)]	0
In-roof installation package, basic storage for two solar panel	IB EKSV21P	16 20 17	0	1	0	1	0	1	0	1
In-roof installation package, additional storage for central solar panel	IE EKSV21P	16 20 18	0	0	0	1	0	2	0	3

Material list standard solar panels with Drain-back system

Type of installation	Type	Order No.	On-roof Quantity	In-roof Quantity
Control and pump unit	RPS 4	EKSRPS4A	1	1
Support for connecting pipe solar panel	TS	16 42 45	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP anthracite EKSRCRP red	1	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20
Nominal system volume (L)	20.2	21.5	22.8	24.1

Material list solar panels with pressurised system [1)]

Number of solar panels Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system [1)]	RCP	EKSRCP	1	1	1

Drain-back system

Pressurised system

DB) Only required for installations with drain-back system.
P) Only required for pressurised installations.
* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

Solar panel - Overview EKSV26P - standard vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKSV26P

Solar panel EKSV26P

Number of solar panels Type of installation / Article	Type	Order No.	2 On-roof Quantity	2 In-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 In-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 In-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 In-roof Quantity	5 Flat roof Quantity
Solar panel	EKSV26P	EKSV26P	2	2	2	3	3	3	4	4	4	5	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	1	1	1	2	2	2	3	3	3	4	4	4
Mounting rail single collector	FIX MP 130	16 20 67	2	2	2	3	3	3	4	4	4	5	5	5
On-roof installation pack for one solar panel [DB+P)] (2 roof hooks per kit)	FIX-ADDP	16 20 85	4[2)]	0	0	6[2)]	0	0	8[2)]	0	0	10[2)]	0	0
In-roof installation kit, basic flashing for two solar panels	IB V26P	16 20 19	0	1	0	0	1	0	0	1	0	0	1	0
In-roof installation pack, additional flashing for central solar panel	IE V26P	16 20 20	0	0	0	0	1	0	0	2	0	0	3	0
Flat-roof frame, basic pack for two solar panels	FB V26P	16 20 58	0	0	1	0	0	1	0	0	1	0	0	1
Flat-roof frame, expansion pack additional solar panel	FE V26P	16 20 59	0	0	0	0	0	1	0	0	2	0	0	3

Material list standard solar panels with Drain-back system

Number of solar panels Installation type / Article	Type	Order No.	On-roof Quantity	In-roof Quantity	Flat roof Quantity
Control and pump unit	EKSRPS4A	EKSRPS4A	1	1	1
Additional support troughs for connecting pipe solar panel	TS	16 42 45	1	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP Anthracite EKSRCAP Red	1	0	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1	0
Roof penetration pack solar panel flat roof	RCFP	16 20 38-RTX	0	0	1

Material list solar panels with pressurised system [1)]

Number of solar panels Installation type / Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system [1)]	RCP	EKSRCP	1	1	1

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20
Nominal volume entire system (L)	21	22.7	24.4	26.1

Solar panel - Overview EKSH26P - standard horizontal model

Material list for standard solar panel systems for hot water preparation and heating support EKSH26P

Solar panel H26 P

Number of solar panels Type of installation Article	Type	Order No.	1 On-roof Quantity	1 Flat roof Quantity	2 On-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 Flat roof Quantity
Solar panel	EKSH26P	EKSH26P	1	1	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	0	0	1	1	2	2	3	3	4	4
Installation rail guide for individual solar panel	FIX MP 200	16 20 68	1	1	2	2	3	3	4	4	5	5
On-roof installation pack for one solar panel P) (4 roof hooks per kit)	FIX-ADDP	16 20 85	2 2)	0	4 2)	0	6 2)	0	8 2)	0	10 2)	0
Flat roof support frame basic kit for one solar panel	FB H26P	16 20 60	0	1	0	1	0	1	0	1	0	1
Flat roof trestle Extension pack for one additional solar panel	FE H26P	16 20 61	0	0	0	1	0	2	0	3	0	4

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20
Nominal volume system (L)	21.6	23.9	26	28.1

Material list solar panels with pressurised system 1)

Number of solar panels Installation type / Article	Type	Order No.	up to 3 Quantity	4 to 5 Quantity
Pressurised thermal store	EKHWP500PB	EKHWP500PB	1	1
Controller	EKSDSR1A	EKSDSR1A	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	1
Installation material solar panel with pressure system 1)	RCP	EKSRCP	1	1

Pressurised system

P) Only required for pressurised installations.
* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

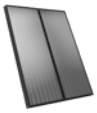
Solar panel - Overview EKSV26P - standard vertical model

List of materials for solar components that connect several storage tanks

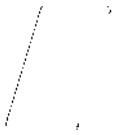
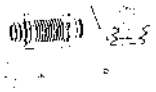
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Total number of storage tanks Article	Type	Order No.	2 Quantity	3 Quantity
Solar panel storage tank extension kit	CON SX	16 01 20	1	1
Solar panel storage tank extension kit 2	CON SXE	16 01 21	0	1

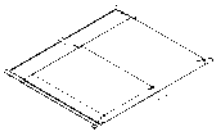
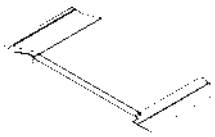
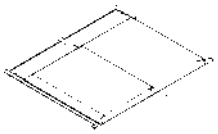
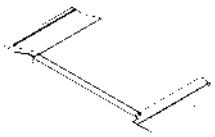
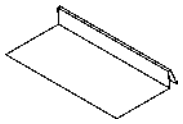
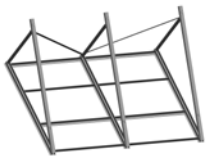
Solar panels for pressurised use and Drain-back system



High-efficiency flat solar panels
Stable watertight solar panel frame made of black anodised aluminium, highly special coating and safety glass, low-reflection, efficient heat insulation of the solar panel back plane with mineral wool. The minimum efficiency of the solar panel is more than 525kWh/m² per year (location: Würzburg, Germany). Suitable for drain-back and pressurised systems.

		Article	Type	Order No.
High-efficiency flat solar panel EKSV21P		(2,000 x 1,006 x 85 mm), solar panel area 1.79 m², Weight 35kg, water content 1.3 l. Max. 6 bar.	EKSV21P	EKSV21P
High-efficiency flat solar panel EKSV26P		(2,000 x 1,300 x 85 mm), solar panel area 2.35 m², Weight 42kg, water content 1.7 l. Max. 6 bar.	EKSV26P	EKSV26P
High-efficiency flat solar panel EKSH26P		(1,300 x 2,000 x 85 mm), solar panel area 2.35 m², Weight 42kg, water content 2.1 l. Max. 6 bar.	EKSH26P	EKSH26P
Solar panel connection		Installation profile connector, expansion joints and double clamping blocks.	FIX-VBP	16 20 16-RTX
Installation profile rail for EKSV21P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 100	16 20 66
Installation profile rail for EKSV26P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 130	16 20 67
Installation profile rail for EKSH26P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 200	16 20 68
Support for connecting pipe solar panel		Support troughs (5 in number, length, in each case, 1.3 m) for support of the solar panel plastic connection lines in Drain-Back.	TS	16 42 45
On-roof installation pack slate		4 roof hooks for flat roofing, e.g. slate, for one solar panel.	FIX ADS	16 47 23
On-roof installation pack MULTI		2 height-adjustable roof hooks for drain-back and pressure system, including mounting materials.	FIX-ADDP	16 20 85
Roof holder for corrugated covering		4 holders including fixing material for one solar panel.	FIX-WD	16 47 03-RTX
Roof holder for welded sheet metal covering		4 holders including fixing material for one solar panel. Note: for on-roof installation only.	FIX-BD	16 47 04-RTX

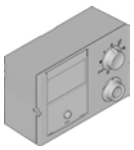
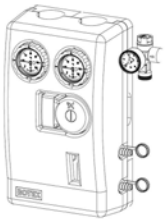
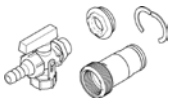
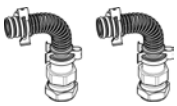
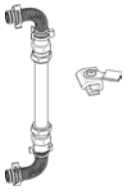
Solar panels for pressurised use and Drain-back system

		Article	Type	Order No.
Basic in-roof assembly package EKSV21P		Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V21P	16 20 17
Extension kit in-roof mounting EKSV21P		Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V21P	16 20 18
Basic in-roof mounting pack EKSV26P		Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V26P	16 20 19
Expansion in-roof mounting pack EKSV26P		Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V26P	16 20 20
In-roof covering slate supplementary pack		30 layer pieces for flat coverings, e.g. slate (per basic in-roof pack you will need one supplementary pack).	FIX-IES	16 46 16-RTX
Basic pack flat-roof frame for mounting of two EKSV26P solar panels on flat roofs		Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB V26P	16 20 58
Extension pack flat-roof frame for one additional EKSV26P solar panel		Extension for FB V26P.	FE V26P	16 20 59
Basic pack flat-roof frame for mounting of one EKSH26P collector on flat roofs		Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB H26P	16 20 60
Extension pack flat-roof frame for one additional EKSH26P solar panel		Extension for FB H26P.	FE H26P	16 20 61
Disassembly tools ducts drain-back system			FIX LP	16 20 29-RTX

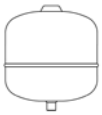
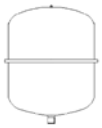
Drain-back system

Pressurised system

Solar panel - pressurised system

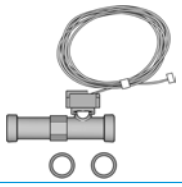
		Article	Type	Order No.
Controller		Temperature-difference regulator for the solar panel with pressure system. Regulator with graphic display for representation of hydraulic schematics and yield balances, for example. Including return flow and storage tank temperature sensor and housing for wall mounting.	EKSDSR1A	EKSDSR1A
Pressure station		Consists of: Pipe connection ø 22 mm including pipe compression fittings and support sleeves (5x), flow measurement unit with 2 x KFE cock, integrated air separator, ball-cocks with integrated back-flow prevention, Grundfos Solar 25-65 pump, safety group with pressure gauge, including insulation and installation accessories.	EKSRDS2A	EKSRDS2A
Fill and drain connection		For RPS3 and tanks from 2013 onwards, for easy filling and emptying through the fill and drain valve.	KFE BA	16 52 15
Solar panel pressurised solar line DN 16		15 m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 16. For systems of up to 3 solar panels and a line length of up to 25 m. Without connection fittings.	CON 15P16	16 20 73
Solar panel pressurised solar connection kit DN 16		All necessary fittings for connecting the pressurised solar line DN 16. Required together with CON 15P16.	CON CP16	16 20 75
Solar panel pressurised solar connection kit DN 16		Fittings for connecting two pressurised solar lines DN 16.	CON XP16	16 20 71
Solar panel pressurised solar line DN 20		15 m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 20. For systems up to 5 solar panels and a line length of up to 25 m. Without connection fittings.	CON 15P20	16 20 74
Pressurised solar connection kit DN 20		All necessary fittings for connecting the pressurised solar line DN 20. Always required together with CON 15P20.	CON CP20	16 20 76
Solar panel pressurised solar connection kit DN 20		Fittings for connecting the pressurised solar line DN 20.	CON P20	16 20 72
Installation material solar panel pressurised system		Connection fittings for pressurised systems and solar panel installation material, consisting of installation material for solar panel and connection pipe, 2 m UV-proof thermal insulation for the outer area, connection fittings and panel temperature sensor. The roof penetration must be provided to the customer.	RCP	EKSRCP
Solar panel row connection for the solar panel with pressure system		Connection kit for connecting two rows of solar panels in parallel. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1 m thermally-insulated piping.	CON LCP	16 20 45

Solar panel - pressurised system

		Article	Type	Order No.
Expansion vessel 12 L with connection block		For solar panels with pressure systems of max. 2 x EKSV21P - solar panels.	MAG S12	16 20 70
Expansion vessel 25 L with connection block		For solar panels with pressure systems of max. 3 solar panels.	MAG S 25	16 20 50
Expansion vessel 35 L with connection block		For solar panels with pressure systems of max. 5 solar panels.	MAG S 35	16 20 51-RTX
GLYCOL CORACON SOL 5F		20 L can of pre-mixed solar fluid, functional range up to -28 °C.	CORACON SOL 5F	16 20 52-RTX
Fill and draining valve				16 41 17
GLYCOL CORACON SOL 5		1 L of solar fluid concentrate for extension of the frost range. With 20 L of solar fluid with 1 L additive, the use range extends down to -33 °C. For 20 L of solar fluid with 2x 1 L of additive, the functional range is extended to -38 °C.	CORACON SOL 5	16 20 53
Circulation lance		For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
Thermostatic mixer as scalding protector		Thermal safety device for the domestic water pipe. Setting range 35-60 °C.	VTA32	15 60 15
Screw connection kit 1”		For connection of the scald protection VTA32.		15 60 16
Thermostatic regulator 230V		With capillary tube temperature sensor, setting range 35-85 °C.	SCS-TR	16 41 30
3-way switching valve 1" male		With motor drive 230V, switchover time 6 sec.	3 W-UV	15 60 34

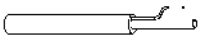
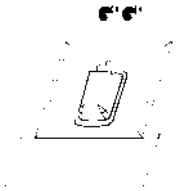
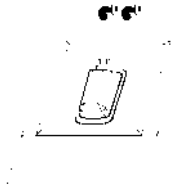
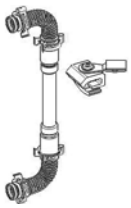
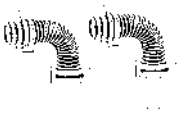
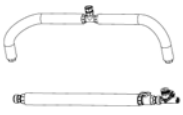
Solar panels - drain-back system

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		Article	Type	Order No.
EKSRPS4 regulation and pump unit		Ready to plug in unit (230V), with digital differential temperature regulation, return and storage tank temperature sensors, high-efficiency circulation pump. INFO: The flow sensor (FLS 20), included in the supply, provides more effective operation of the EKSRPS4. In addition to direct calculation of the heat output, the sensor allows modulation of the operating pump and thus an additional saving in electrical energy.	EKSRPS4	EKSRPS4A
Additional pump set RPS4				164243
Fill and tap connection solar panel with drain-back system		For easy filling of solar panels with drain-back system from 2013 onwards through the solar flow connector.	KFE DB BA	16 52 16
Burner blocking contact connection cable		For RPS2, RPS3, RPS3 M, RPS3 25M.	BSKK	16 41 10-RTX
Solar panel FlowGuard solar flow regulator		With solar flow indicator 2-16 l/min.	FLG	16 41 02-RTX
Connection tube solar panel		Ready to connect connection line 15 m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 15	16 47 32
Connection tube solar panel		Ready to connect connection line 20 m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 20	16 47 33
Solar panel solar flow sensor 100		Sensor for expanding RPS3 25M control system, enables heat yield metering in large installations. Measuring range up to 100 l/min.	FLS 100	16 41 03-RTX
Extension		For connecting a collector array (EKSV21P, EKSV26P, EKSH26P) to the on-site rigid copper connection pipes when using roof penetration box kits EKSRCAP, EKSRCRP, RCIP, RCFP.	CON X20 25M	16 42 31

Solar panels - drain-back system

DB

		Article	Type	Order No.
Extension connection tube solar panel		Ready to plug in including installation material and connection fittings L = 2.5 m L = 5.0 m L = 10.0 m Maximum possible length of the connection pipe: Number of solar panels / Max. length 2 / 45 m 3 / 30 m 4 / 17 m 5 / 15 m	CON X 25 CON X 50 CON X 100	16 42 61 16 42 62 16 42 63
Extension of the inflow pipe		UV-resistant thermally-insulated, length = 8 m, including cable connecting fitting for the solar panel sensor line.	CON XV 80	16 42 64
On-roof roof penetration, anthracite		Roof penetration pack with connection fittings and solar panel installation material, consisting of anthracite roof penetration, installation material for solar panel and connection pipe, 2 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	EKSRCAP	EKSRCAP
On-roof roof penetration, tile red		Roof penetration pack with connection fittings and solar panel installation material, consisting of tile red roof penetration, installation material for solar panel and connection pipe, 2 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	EKSRCRP	EKSRCRP
Solar panel panel row connection		Connection kit for connecting two rows of solar panels one above the other. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1 m thermally-insulated piping.	CON RVP	16 20 35-RTX
Installation material, solar panel in-roof		Ready to plug in including installation material and connection fittings.	RCIP	16 20 37-RTX
Roof penetration, flat roof		Roof penetration pack with connection fittings and solar panel installation material, consisting of flat-roof roof penetration, installation material for solar panel and connection pipe, 8.5 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	RCFP	16 20 38-RTX
Roof penetration flat-roof for alternate side solar panel connection		Flat roof penetration with screw connections and blind plugs for penetration openings which are not used.	CON FE	16 47 09
Solar panel boiler extension kit		Connection kit for the connection of two warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SX	16 01 20

Solar panels - drain-back system

DB

		Article	Type	Order No.
Solar panel storage tank extension kit 2		Connection kit for the connection of additional warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SXE	16 01 21
Circulation lance		For energetically-optimised incorporation of the tap-water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
Thermostatic mixer as scalding protector		Thermal safety device for the warm-water pipe. Setting range 35-60 °C.	VTA32	15 60 15
Screw connection kit 1”		For connection of the scald protection VTA32.		15 60 16
Thermostatic regulator 230V		With capillary tube temperature sensor, setting range 35-85 °C.	SCS-TR	16 41 30
3-way switching valve 1" male		With motor drive 230V, switch-over time 6 sec.	3 W-UV	15 60 34
Collector connector (connect B)				164201-RTX
Connector 18/18				164233-RTX
Connector 15/15				164234-RTX
Plug-in coupling for RPS4 22/15				164237-RTX

EKSV-P/EKSH-P

Solar collector

Thermal solar collector for hot water production

- Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- Horizontal solar collector for domestic hot water production
- Vertical solar collector for domestic hot water production
- High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- Easy to install on roof tiles
- Can be used for drain-back and pressurised applications



EKSV21P

More details and final information can be found by scanning or clicking the QR codes. EKSV-P EKSH-P

Accessory				EKSV21P	EKSV26P	EKSH26P
Mounting				Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth	mm	2,000x1,006x85	2,000x1,300x85	1,300x2,000x85
Weight	Unit		kg	33	42	
Volume			L	1.30	1.70	2.10
Surface	Outer		m^2	2.01	2.60	
	Aperture		m^2	1,800	2,360	
	Absorber		m^2	1.80	2.36	
Coating				Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)		
Absorber				Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate		
Glazing				Single pane safety glass, transmission +/- 92%		
Allowed roof angle	Min. ~ Max.		°	15 ~ 80		
Operating pressure	Max.		bar	6		
Stand still temperature	Max.		°C	192		
Thermal performance	Collector efficiency (ηcol)		%	53		
	Zero loss collector efficiency η0		%	0.71		
	Heat loss coefficient a1		$W/m^2.K$	4,300		
	Temperature dependence of the heat loss coefficient a2		$W/m^2.K^2$	0.006		
	Thermal capacity		kJ/K	4.90	6.50	

EKSRPS4A/EKSRDS2A

Pump station

- Save energy and reduce CO_2 emissions with a solar system for domestic hot water production
- Pump station connectable to drain-back solar system
- Pump station and control provide the transfer of solar heat to the domestic hot water tank

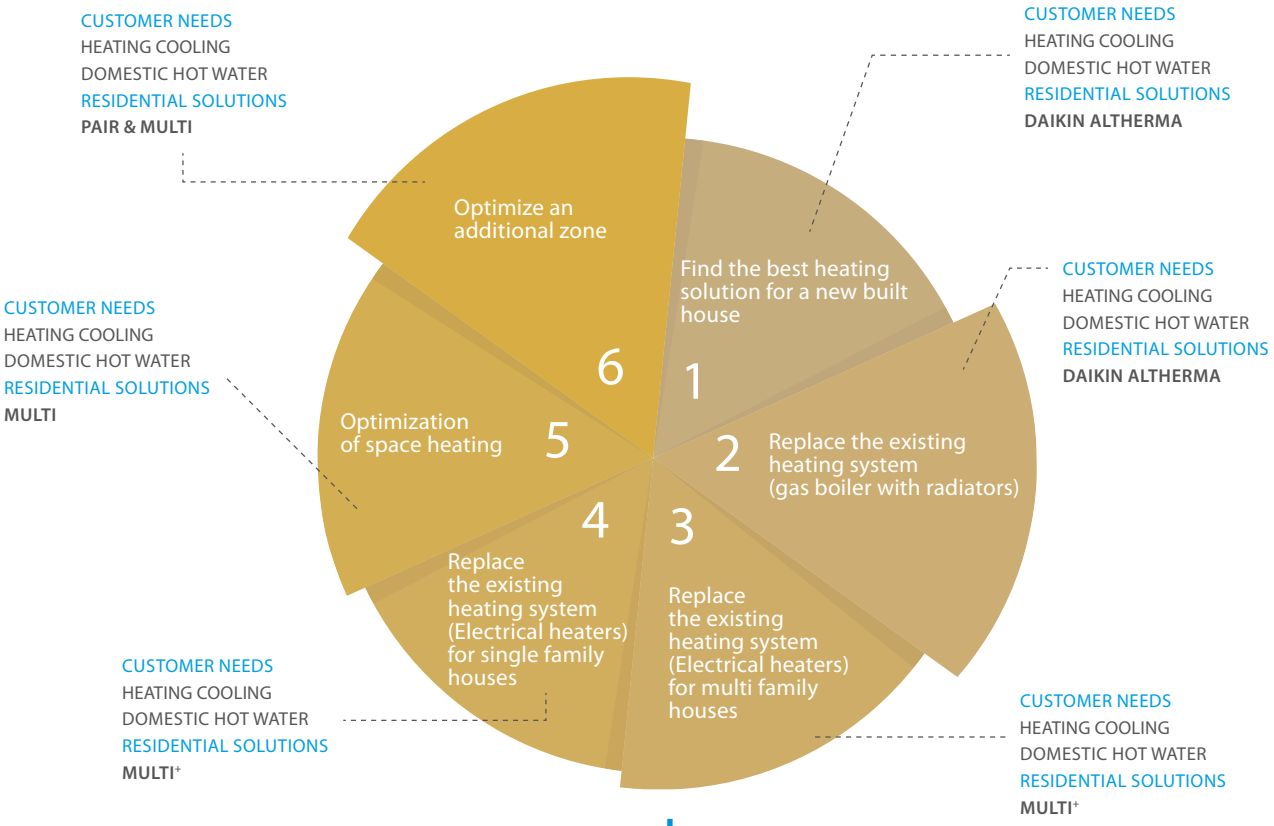


EKSRPS4A

More details and final information can be found by scanning or clicking the QR codes. EKSRPS4A EKSRDS2A

Accessory				EKSRPS4A	EKSRDS2A
Mounting				On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth	mm	815x142x230	410x314x154
Weight	Unit		kg	6.40	6
Operation range	Ambient temperature	Min. ~ Max.	°C	5 ~ 40	- ~ 40
Operating pressure	Max.		bar	-	6
Stand still temperature	Max.		°C	85	120
Control	Type			Digital temperature difference controller with plain text display	
	Power consumption		W	2	5
Sensor	Solar panel temperature sensor			Pt1000	
	Storage tank sensor			PTC	-
	Return flow sensor			PTC	-
	Feed temperature and flow sensor			Voltage signal (3.5V DC)	-
Power supply	Phase/Frequency/Voltage		Hz/V	1 ~ /50/230	-/50/230
Power supply intake				Indoor unit	
Auxiliary	Solpump		W	37.3	23
	Annual auxiliary electricity consumption Qaux		kWh	92.1	89
	Solstandby		W	2.00	5.00

Residential air-to-air heat pump solutions according to your customer's needs



8 reasons to buy a Daikin (multi-)split system

- **Best performance** and **highest energy** efficiencies in cooling and heating
- Multi connection up to **5 ports**
- Best comfort throughout the year, thanks to the **intelligent sensors** and **airflow techniques**
- Top indoor air quality through **unique filtration**
- Reliability thanks to **best technologies and service**
- **Highest quality standards**: from parts to production
- Connectivity: Remote monitoring and **WLAN available** on all units
- Iconic and **award-winning** design

Residential
air to air solutions

Why choose a Daikin split system? 282
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Benefits overview 300

R-32 standard range 302

Wall mounted units 302
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BLUEVOLUTION

Bluevolution for complete range

The Bluevolution technology combines a specifically developed compressor and the R-32 refrigerant. Daikin is the first company in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.

For latest data, please consult my.daikin.eu

What should you know from your customer to advise him with the best residential solution?

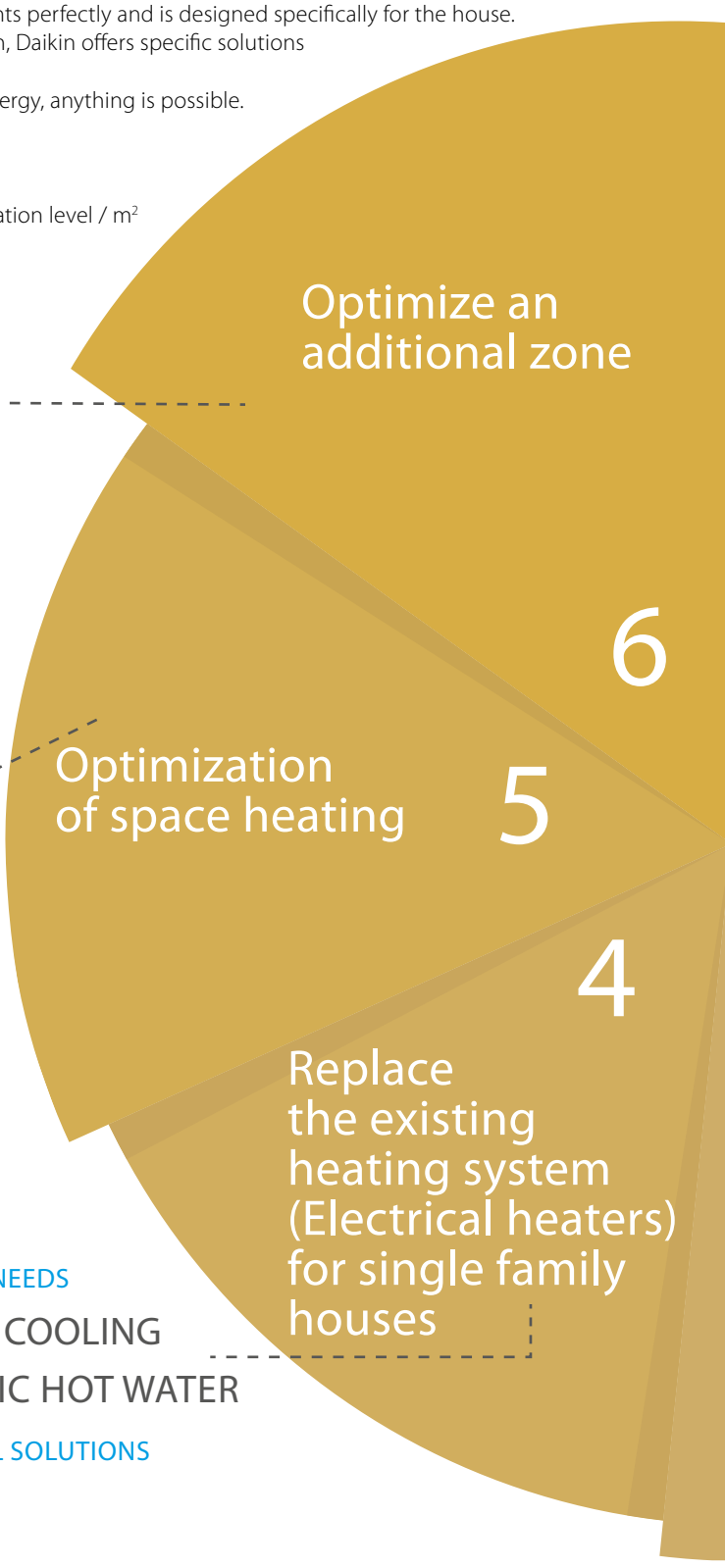
What is the best solution for your customer?

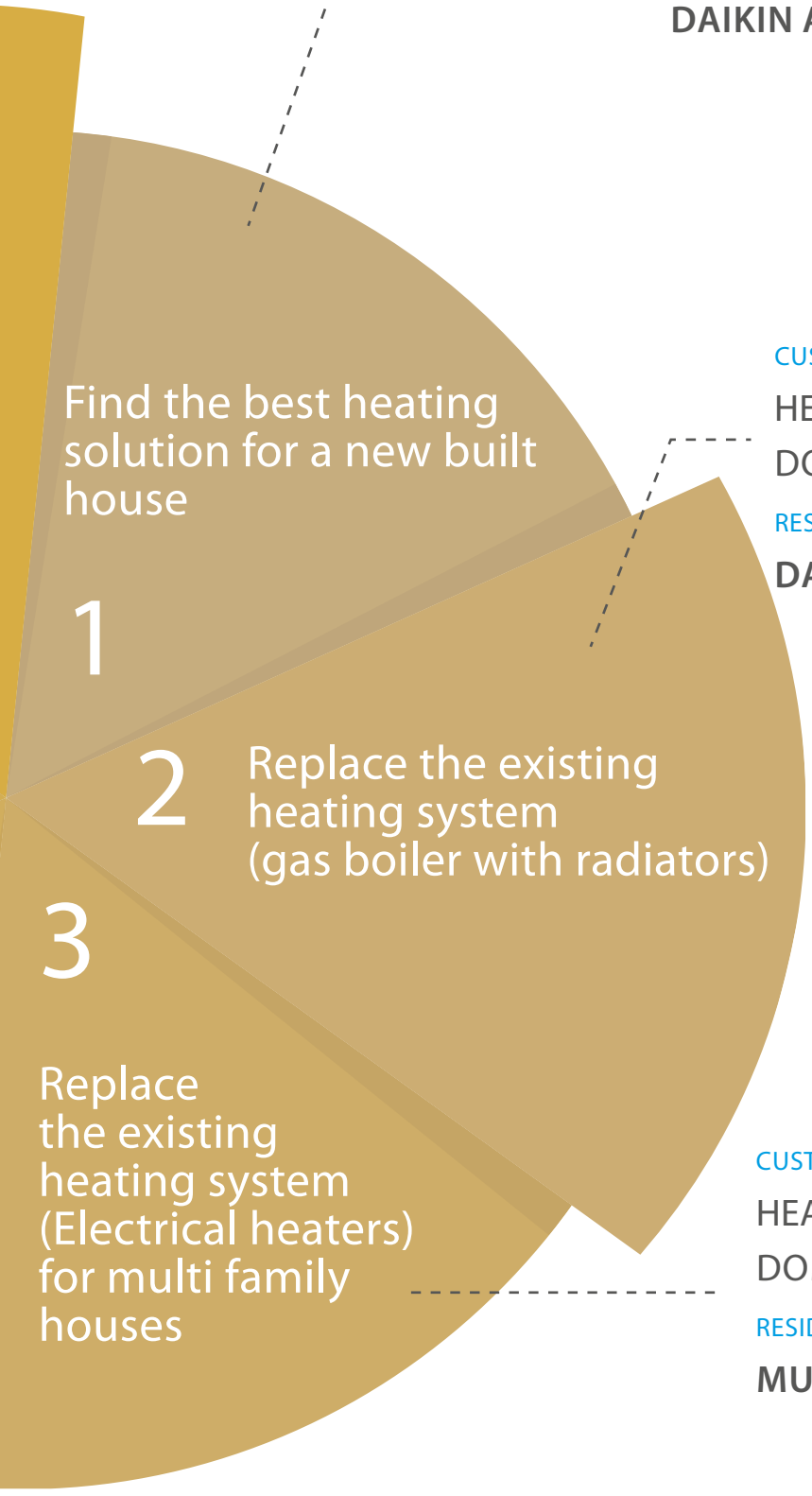
› The best solution for your customer is one which matches the requirements perfectly and is designed specifically for the house.
› Whether your customer is building a new house or renovating an old farm, Daikin offers specific solutions which optimise efficiency, depending on the size and layout.
› Combining heating, cooling, domestic hot water, with or without solar energy, anything is possible.

› What is the best solution for your customer?

› Type of house: Multi family house / single family house / new built / insulation level / m^2
› Location of the house: City / country
› How many persons live in the house?

What does your customer want to do?





CUSTOMER NEEDS

HEATING COOLING

DOMESTIC HOT WATER

RESIDENTIAL SOLUTIONS

DAIKIN ALTHERMA

CUSTOMER NEEDS

HEATING COOLING

DOMESTIC HOT WATER

RESIDENTIAL SOLUTIONS

DAIKIN ALTHERMA

CUSTOMER NEEDS

HEATING COOLING

DOMESTIC HOT WATER

RESIDENTIAL SOLUTIONS

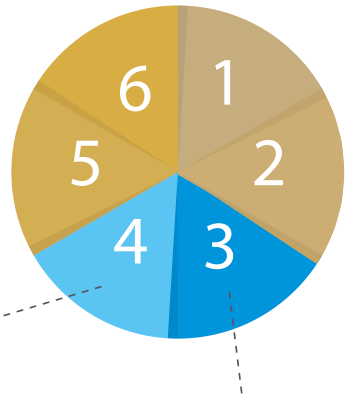
MULTI+

Why choose Multi+?

Your customer is considering to **replace the existing heating system with electric heaters**

Your customer's house:

- Around 80 m² or less
- Located in southern Europe, in a single or multi family house
- Max 3 inhabitants



Replace the existing heating system (Electrical heaters) for single family houses

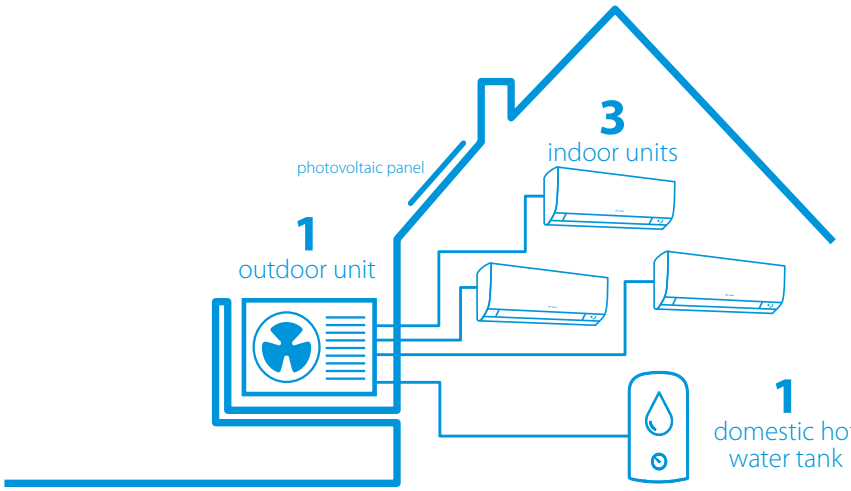
CUSTOMER NEEDS

Heating | Cooling | Domestic hot water

Replace the existing heating system (Electrical heaters) for multi family houses

CUSTOMER NEEDS

Heating | Cooling | Domestic hot water



Legend

› Connect Multi+ outdoor unit with up to 3 indoor units and a 90 l or 120 l tank to provide domestic hot water

1 - Flexibility

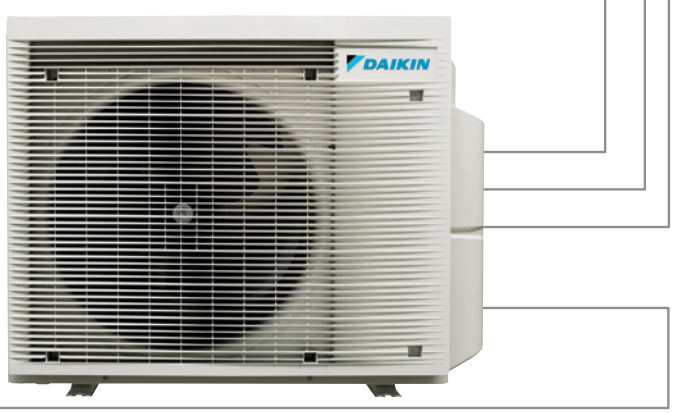
› Connect Multi+ outdoor unit with up to 3 indoor units and a 90 l or 120 l tank to provide domestic hot water



Extend the system according to your needs

Choose from a market-leading variety of indoor units. You can connect up to three different indoor units to cool or heat your rooms.





2 - Efficiency

› Replacing an old air conditioning system and electric hot water tank by Multi+ will give your customer a good return on investment

Case Study: Second Home by the sea

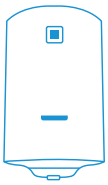
› Detached house / 70m²
› Climate zone C (Naples) / Class D → A3

Saving € in one year

Heating 25%	Cooling 43%	Domestic hot water 75%	TOTAL 46%

Heating + Cooling: **OLD MULTISPLIT**
Domestic hot water: **ELECTRIC WATER HEATER**







Equipped with Bluevolution technology providing low environmental impact

up to **A++** in heating
up to **A+++** in cooling
up to **A** domestic hot water

REPLACEMENT

ALL-IN-ONE
MULTI+



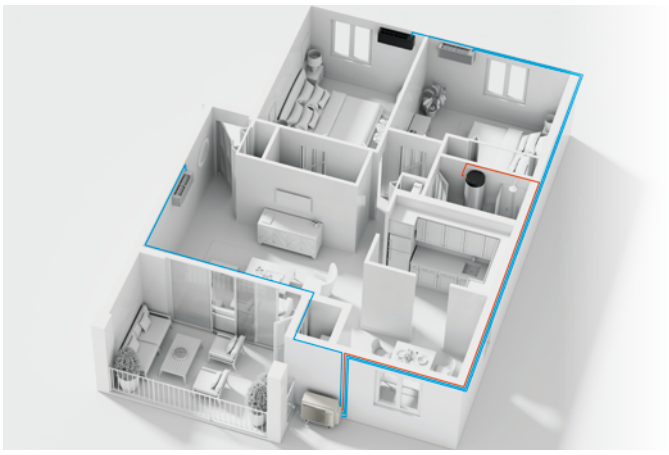
RETURN ON INVESTMENT DOMESTIC HOT WATER
3 YEARS

3 - Easy installation

INDOOR AND OUTDOOR UNITS:
Choose which location is most appropriate for the indoor units and the outdoor unit. The physical installation, wiring, drain piping as well as the initial setup is done quickly and easily.
TANK: No need to change the existing piping of the current electric hot water tank: the water connections are easily accessible from the tank bottom. Perfect for a simple and fast installation or maintenance.



Water inlet and hot water outlet
The water connections are easily accessible from the tank bottom. Perfect for a simple and fast installation or maintenance.*



4 - Full comfort offering heating, hot water AND cooling

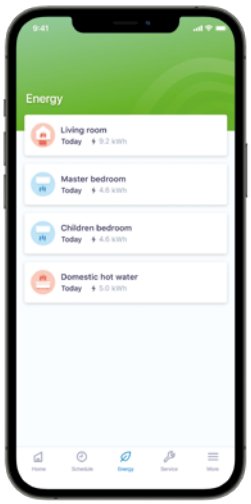
Replacing ineffective or outdated electric water heating systems in small households with a modern heat pump solution saves energy and offers a high level of comfort: not only heating and hot water, but also cooling with high efficiencies

5 - NEW Tank optimisation by PV

From summer 2023, tank optimisation will be possible between the tank and photovoltaic solar panels.
For example, thanks to the HomeHub accessory EKRHH, the electric heater of the tank will be switched on if injection is higher than 1,2 kW.
Therefore, during sunny days, hot water will always be available, while the house is cooled.

6 - Control your units, wherever you are

All indoor units are individually controllable with their supplied remote control or via the Onecta app.
The Daikin Onecta app enables scheduling, controlling and monitoring of each air-to-air heat pump unit along with controlling and monitoring of the domestic hot water tank – also via voice control. Onecta is compatible with Amazon Alexa and Google Assistant.



DAIKIN

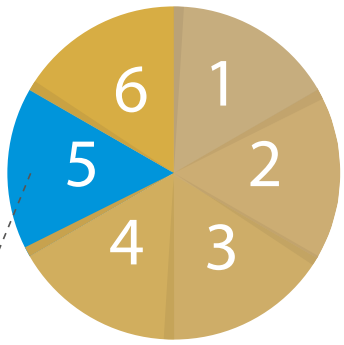
amazon alexa

works with the Google Assistant

* Pressure relief valve to be installed

Why choose Multi?

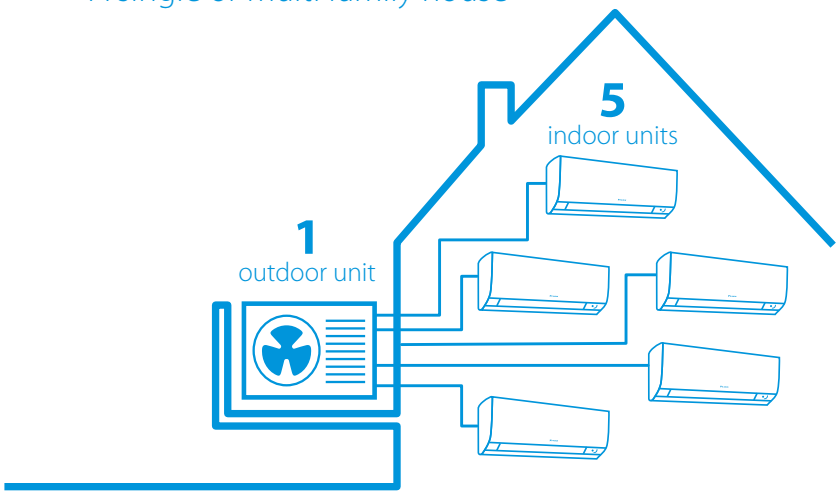
Your customer wants to **keep the existing boiler but reduce the gas consumption.** Your customer wants a sustainable heating system while only using gas for water heating.



Optimization of space heating
CUSTOMER NEEDS
Heating | Cooling

Your customer's house:

- Up to 5 rooms to be heated/cooled
- Located in a warm or average climate region region
- Any numer of inhabitants
- A single or multi family house



Legend

› Connect Multi outdoor unit with up to 5 indoor units.

1 - Flexibility

There are many possibilities in comfort you can profit from a multi split solution:

Up to 5 indoor units connectable to **only one outdoor** unit

Every single indoor unit can be **regulated separately**

Choose from a **greater variety** of connectable indoor unit types out of our split and Sky Air series

Use **low capacity** indoor units specially designed for small rooms which can only be connected to a multi split system

Are you planning an additional indoor unit later on? Just **decide now** for an outdoor unit with higher capacity and simply **connect it later**.

2 - Efficiency

Our big compressors can work very efficiently thanks to the inverter principle. Only the necessary capacity is produced according to the number of indoor units that are switched on. With efficiencies up to A++ in heating, your customer can drastically reduce the gas energy bill and only use the gas boiler for producing hot water.

BLUEVOLUTION
Equipped with Bluevolution technology providing low environmental impact

up to A++ in heating

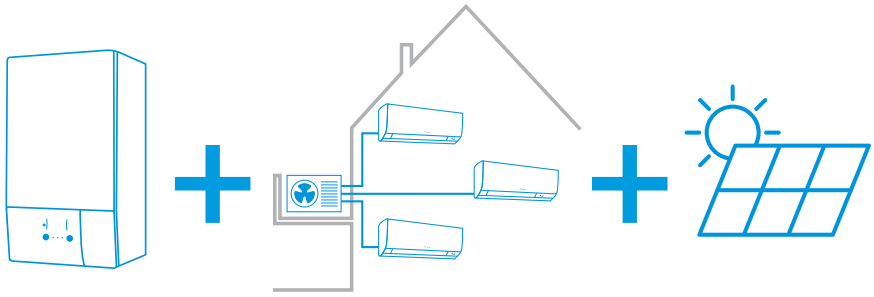
up to A+++ in cooling

Quickly reduce on the energy consumption

Add a multisplit system and photovoltaic solar panels to an existing gas boiler and save on your energy bill.

In spring and autumn, simply turn down the radiators or room thermostat. The multisplit will be perfectly capable to cover the full demand.

In the heart of winter, open the radiators and have them work complementary with your air-to-air heat pump, as they will act as a secondary heat source when needed.



3 - Easy installation, piping and wiring

Wherever you want to place an outdoor unit, for every unit you will need correct mounting equipment for a secure fixing and problem-free operation.

The physical installation, wiring, drain piping as well as the initial setup of only one system is easy and fast.

4 - Full comfort offering heating AND cooling

Adding a multi system to the existing gas boiler, saves energy and offers a high level of comfort. And as a plus, not only heating but also cooling is offered with high efficiencies. But if needed, the heat lock mode exists to block the system to only operate in heating mode.

5 - Limited mounting space, low sound

Limited mounting space

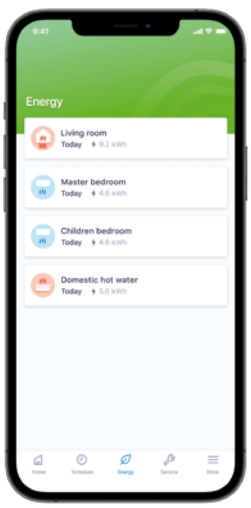
The multi outdoor unit is very compact, which can be installed in different ways (on the wall, on a terrace, in the back of a garden, etc.).

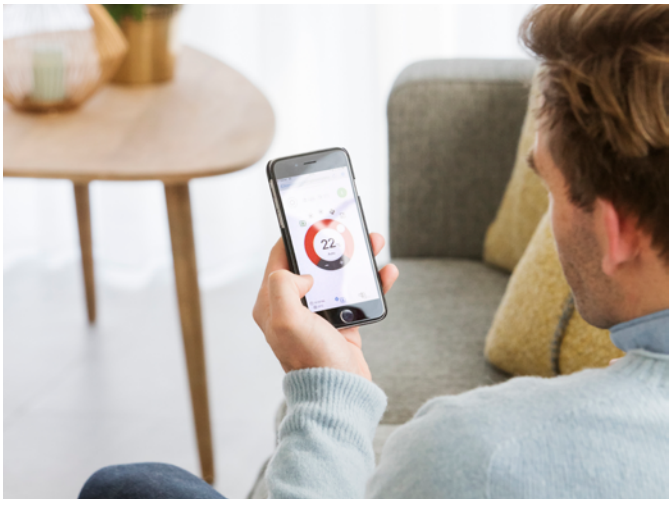
Low sound

Multi outdoor units are standardly very quiet, down to 46 dBA, similar to a dishwasher.
Additionally, the Night Quiet Mode function reduces operating noise of the outdoor unit at nighttime, based upon your schedule.
NEW A special software is developed on a range of outdoor units* to lower the sound level at all times if required by legislation.
*2MXM40-50A9, 3MXM40-52A9

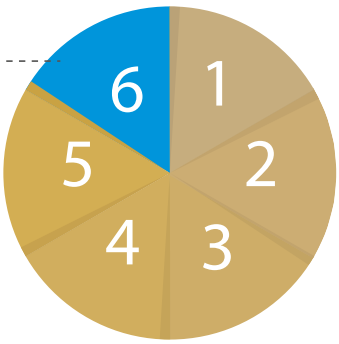
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The Daikin Onecta app enables scheduling, controlling and monitoring of each air-to-air heat pump unit along with controlling and monitoring of the domestic hot water tank – also via voice control. Onecta is compatible with Amazon Alexa and Google Assistant.





Why choose Pair?

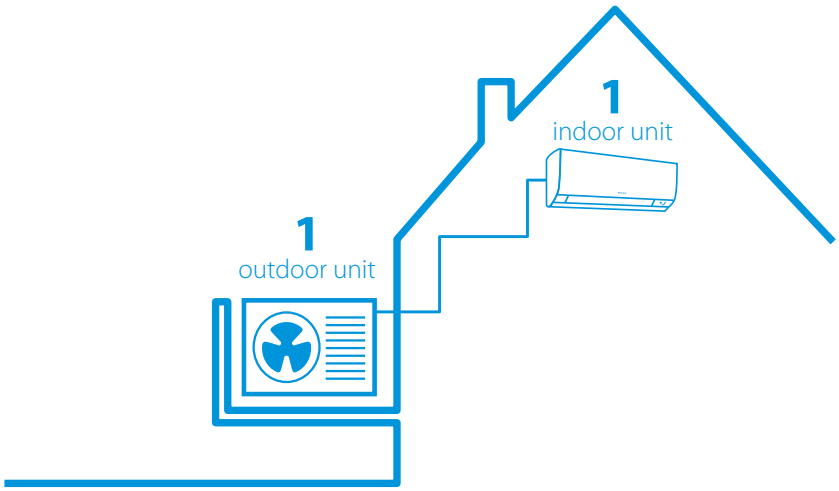


Optimize an additional zone
CUSTOMER NEEDS
Heating | Cooling

You already **have a hydronic heating system at home.** You **arranged your attic, green house or garage as a home office or a hobby room.** You don't want to heat this additional zone all the time but you need comfortable and efficient solution all year long.

Your customer's house:

- 1 additional room to heat or cool
- Located in any region *
- Any numer of inhabitants
- A single or multi family house



Legend

› Connect one outdoor unit to one indoor unit.

1 - Flexibility

Your customer can choose the indoor unit that is most suitable for the installation

- Wall mounted unit: installed high on the wall, available in many sizes and colours, from which some have earned **several awards for their innovative look and functional capabilities.**
- Floor standing unit: Low enough to be installed beneath a window sill, the unit can be installed against the wall or recessed.



- Concealed ceiling unit: Keep things clean and uncluttered witha concealed ceiling unit. They are compact enough to fit any interior and can be installed discreetly so that only the air vents are visible.



reddot design award winner 2013



FTXZ-N

reddot award 2018 winner



White FTXA-AW



Silver FTXA-BS

DESIGN AWARD 2018 GOOD DESIGN



Blackwood FTXA-BT



Black FTXA-BB

reddot award 2022 winner



White FTXJ-AW



Silver FTXJ-AS

DESIGN AWARD 2022 GOOD DESIGN



Black FTXJ-AB

* For cold climate regions, please refer to the optimised heating range

2 - Efficiency

With the highest efficiencies in the market, a pair installation will save on your energy bill and provide comfort all year long.



up to

A++

in heating



up to

A+++

in cooling

3 - High heating capacities

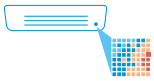
Our pair units can provide heating down to -20°C*

*FTXJ-A/RXJ-A and FTXM-R/RXM-R combination

If outdoor temperature are even more severe, the optimised heating range creates a comfortable interior environment while maintaining excellent energy efficiency ratings and guaranteeing high capacities even in **temperatures as low as -25°C, offering enhanced heating features.**

4 - Full comfort offering heating AND cooling

A split system saves energy and offers a high level of comfort to a room. And as a plus, not only heating but also cooling is offered with high efficiencies.
Our indoor units are equipped with intelligent sensors and airflow techniques, to provide best comfort, both in heating as cooling.



Intelligent thermal sensor

Stylish FTXA and Daikin Emura FTXJ use an intelligent thermal sensor to detect the surface temperature of a room to create a more comfortable climate by directing the airflow that requires cooling or heating.



3-D air flow

Combines vertical and horizontal auto-swing to circulate a stream of warm or cool air right to the corners of even large spaces.



Coanda effect

By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

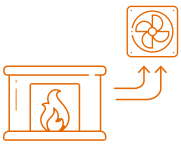


Heat boost

Heat boost quickly heats up your home when starting up your airconditioner. Set temperature is reached 14% faster* than a regular airconditioner (pair only).

* Heat boost test condition: 50 class, outdoor temperature 2°C - Indoor temperature 10°C, R/C setting: 23°C

* Applicable for Daikin Emura, Perfera wall and floor heating as cooling.

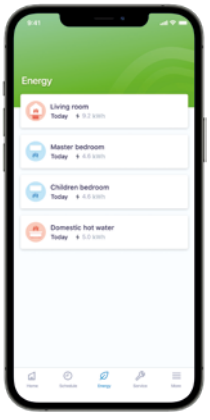


Fireplace logic

When installed close to a heating device (e.g. fireplace or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house (Applicable for optimised heating FTXTM-R and FTXTA-BW/BB)

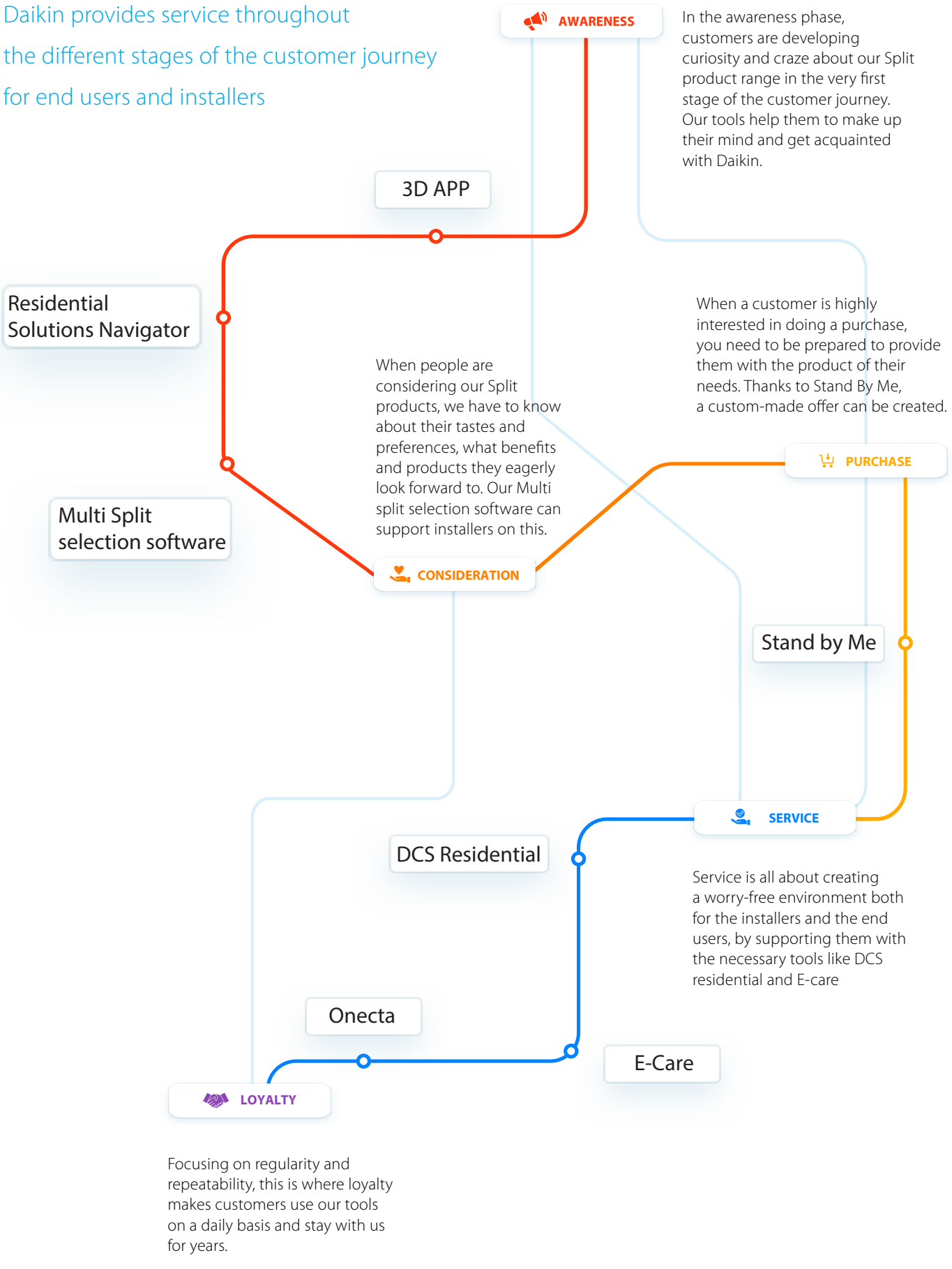
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Service and solutions

Daikin provides service throughout the different stages of the customer journey for end users and installers



1. 3D APP

Daikin 3D app is the application that allows you to choose the air-to-air heat pump and watch it at home BEFORE you buy it!

2. RESIDENTIAL SOLUTIONS NAVIGATOR

Find your applicable solution in just a few clicks based on the number and size of the room.

3. MULTI SPLIT SELECTION SOFTWARE

Make an accurate selection of your Daikin Multi Split system in a few steps! Easy web-based selection tool for our multi split range. It allows to choose the most designated system for each customer's individual needs.

4. STAND BY ME

With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market.

5. DCS RESIDENTIAL

From the professional portal, Installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location.

6. E-CARE

The Daikin e-Care app wants to make the life of a Daikin installer easier by offering Stand By Me registrations via QR code scanning, easy configuration of your heating installation and trouble-shooting via the e-Doctor part.

7. ONECTA

The Onecta app can control and monitor up to 50 split units. All Bluevolution units are connectable with the Onecta app.

Daikin 3D app for end-users

Daikin 3D app is the application that allows you to choose
the air-to-air heat pump and watch it at home **BEFORE** you buy it!

With the Daikin 3D app you can **virtually place** an air-to-air heat pump in your own interior.

Available on the App Store

GET IT ON Google Play

Switch on the device, get close, look from every angle, add dimensions and take a photo so that you can easily compare all the different Daikin options.



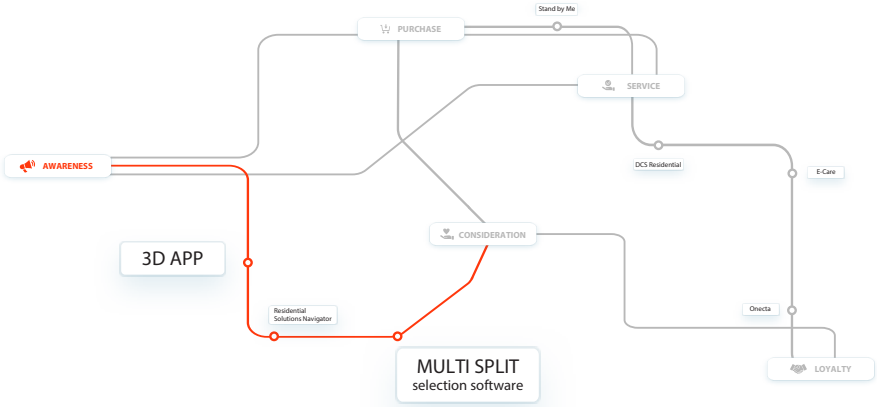
Product range
Choose the desired device



Product detail
Consult the technical data sheets and find additional information



3D visualisation
Customize the size, colour, rotate and move the indoor unit to your liking

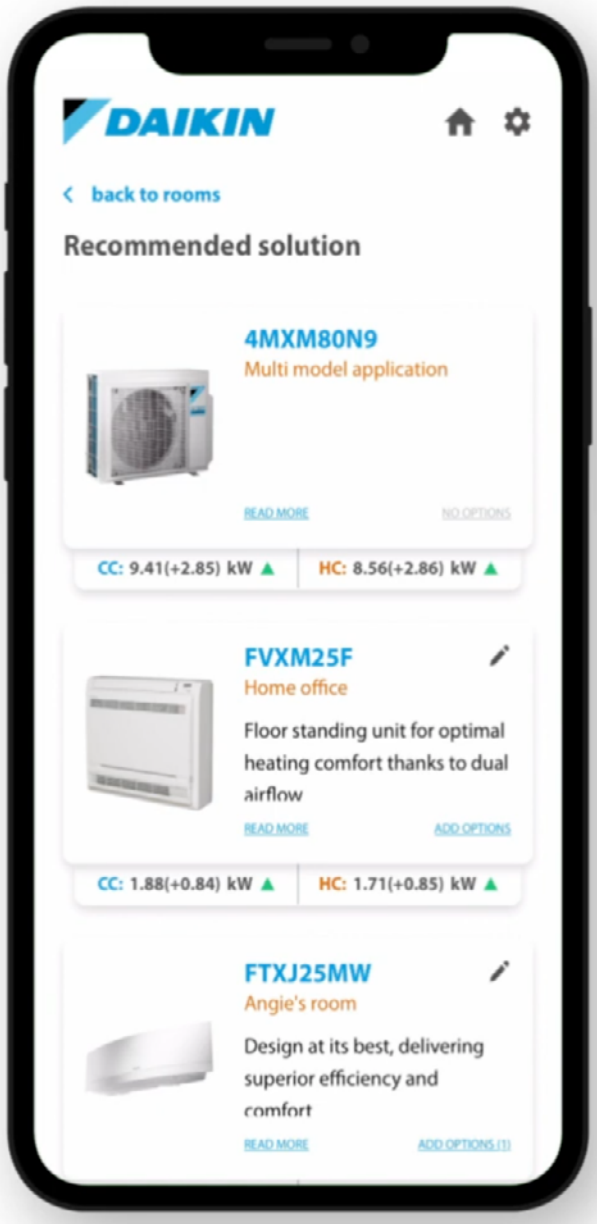


Multi Split selection software

Make an accurate selection of your Daikin Multi Split system in a few steps!

Easy web-based selection tool for our multi split range. It allows to choose the most designated system for each customer's individual needs.

1. Sign in with your Daikin ID
2. **Create a new project** or choose one of your previously created projects
3. Enter your project details
4. Enter the building details
5. Add rooms
6. The best solution is proposed



Go to **multi.daikin.eu**
and watch the instruction video

Stand By Me, my climate of security

With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market.

Free warranty extension

The first advantage of **Stand By Me** is a free warranty extension:

- ☑ applies to both labour and parts
- ☑ begins immediately after registration

FREE

Quick follow-up by Daikin service partners

Daikin service partners are automatically notified when a customer registers their installation on **www.standbyme.daikin.eu** and needs maintenance.

Your customer is guaranteed:

- ☑ quick and reliable service
- ☑ management of all information related to their installation such as, registration documents, attendance records, maintenance records, etc.
- ☑ immediate access to the correct information contributes to flawless service

Extended warranty on parts

For a small fee, customers can extend the warranty on specific parts. **Stand By Me** guarantees:

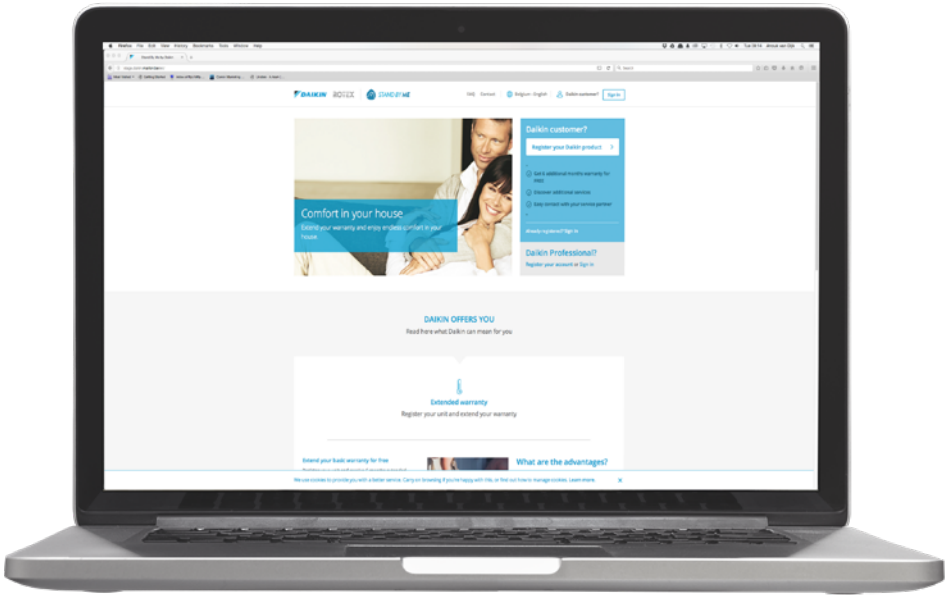
- ☑ that each component is replaced quickly
- ☑ helps avoid financial surprises
- ☑ long life and smooth operation and all other benefits of a Daikin installation
- ☑ reliable service from official Daikin service partners

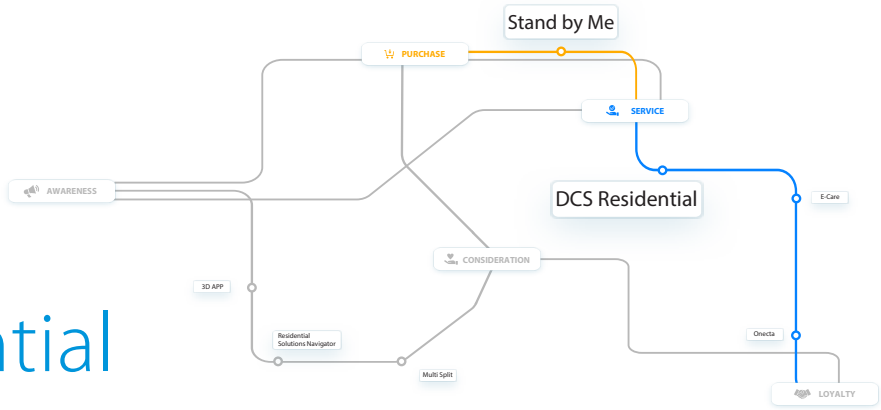
Daikin service partners work exclusively with Daikin parts and have all of the necessary technical knowledge to solve any issue that may arise

Register your Daikin unit:

www.standbyme.daikin.eu

STAND BY ME





DCS Residential

From the professional portal, Installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation. By changing certain settings, they can improve your comfort immediately. Save time and get a better support, thanks to these new features.

How to access?

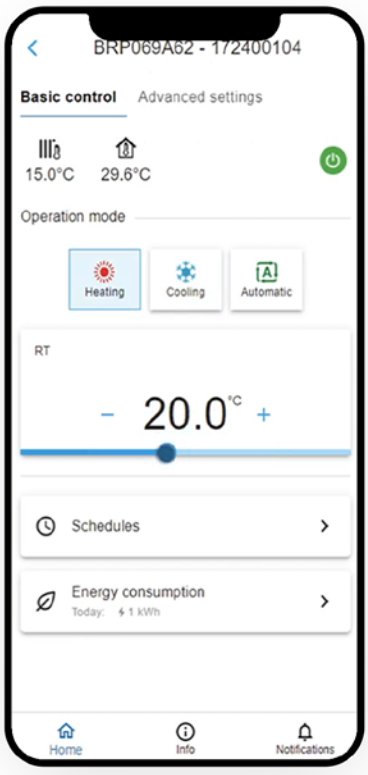
Through the e-care app and SBM Pro portal.

What to expect

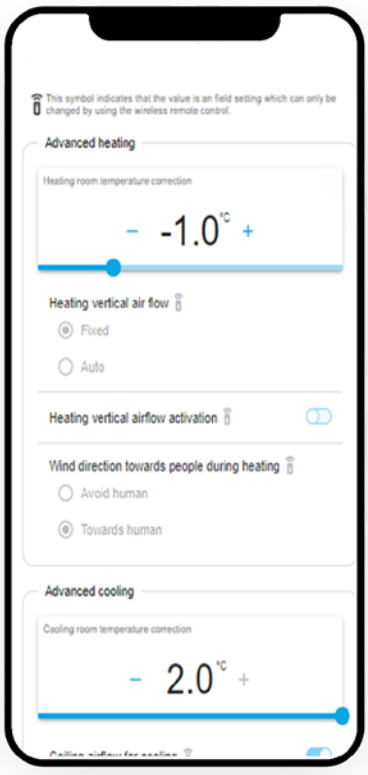
Remote monitoring and servicing of split products, after consent from the end user.

- Control your customer's unit and change settings.
- Read out temperature, energy consumption and error codes.

	Description	DCS residential
CONTROL	Unit on/off	•
	Operation mode	•
	Temperature set point	•
	Fan speed	•
	Econo mode	•
	Schedules	•
	Flash streamer	•
	Powerful mode	•
	Comfort	•
	Horizontal swing	•
	Vertical swing	•
	Demand control	•
	Holiday mode	•
INFO	Indoor temperature	•
	Outdoor temperature	•
	Energy consumption	•
	Error state & code	•
	Adapter model number	•
	Adapter serial number	•



Adjust a room setpoint remotely



Adjust advanced settings on the indoor unit

E-Care app

The Daikin e-Care app wants to make the life of a Daikin installer easier by offering Stand By Me registrations via QR code scanning, easy configuration of your heating installation and trouble-shooting via the e-Doctor part.

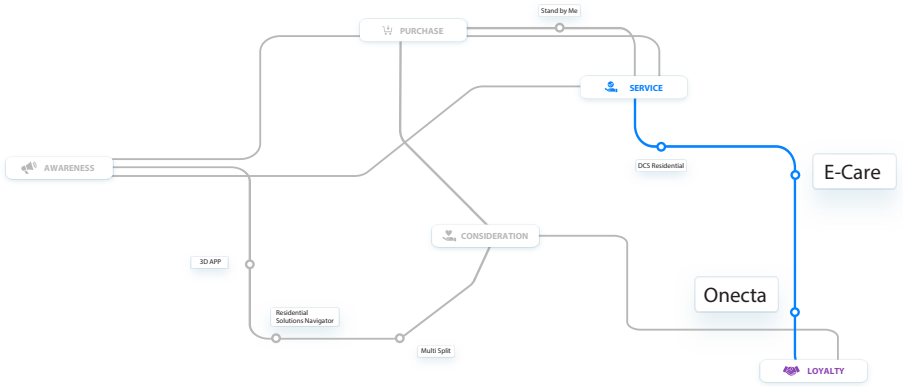
NEW

Order your **spareparts** direclty via the e-Care app, update the settings of your installation with a **Wifi USB** stick and avoid any possible mistake during commissioning of your installation thanks to the easy guidance of the **Commissioning Assistant**.

Available on the App Store

GET IT ON Google Play





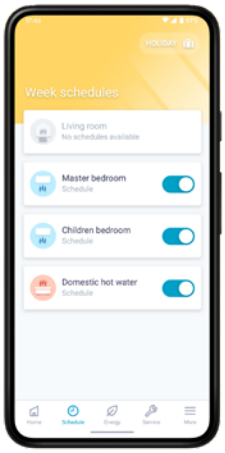
Onecta

The Onecta app can control and monitor up to 50 split air conditioning units. All Bluevolution units are connectable with the Onecta app.



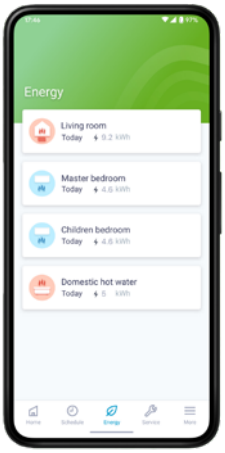
Control

Control operation mode, temperature, air purification, fan speed & direction



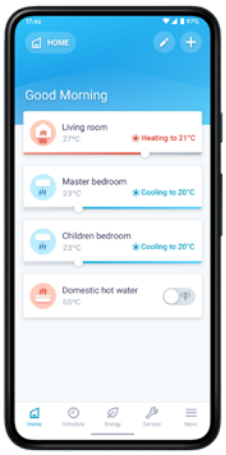
Schedule

Schedule the set temperature, operation mode and fan speed



Monitor

Monitor your energy consumption, set holiday schedule



Identify

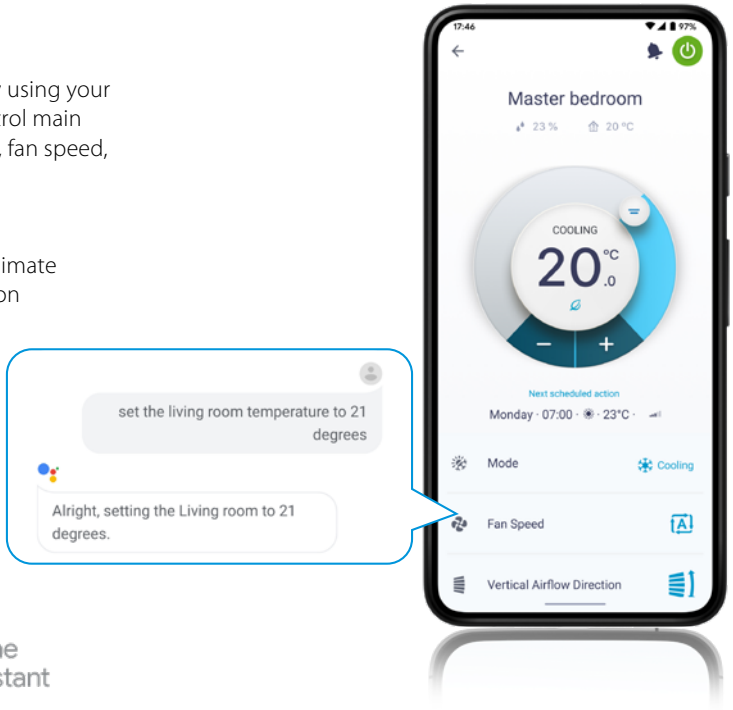
Identify the rooms of your house

Intuitive online and voice control

Control your system and enjoy maximum comfort, just by using your voice. Via Amazon Alexa or Google Assistant you can control main functions such as temperature set point, operation mode, fan speed, and much more!

Your benefits

- Access to various features for controlling your internal climate
- Manage the temperature, operating mode, air purification and fans with the interactive thermostat
- Create different operating schedules and modes
- Monitor energy consumption



amazon alexa

works with the Google Assistant



Full Split R-32 product range

Full R-32 indoor unit range for average and cold outdoor temperatures

BLUEVOLUTION

		Model	Product name		15	20	25	30	35	40	42	50	60	71
Standard range	Wall mounted	Ururu Sarara Complete climate control with (de)humidification, air purification & ventilation with top efficiencies in heating & cooling	FTXZ-N				A+++ A+++ (pair only)		A+++ A+++ (pair only)			A+++ A+++ (pair only)		
		Daikin Emura Design that speaks for itself	FTXJ-AW/S/B			A+++ A+++	A+++ A+++		A+++ A+++		A++ A++	A++ A++		
		Stylish Most compact design wall mounted unit	CTXA-AW/BS/BT/BB		● (multi only)									
			FTXA-AW/BS/BT/BB			A+++ A+++	A+++ A+++		A+++ A+++		A++ A++	A++ A++		
		Perfera Wall mounted unit design for high performance and high indoor air quality	CTXM-R		● (multi only)									
			FTXM-R			A+++ A+++	A+++ A+++		A+++ A+++		A++ A++	A++ A++	A++ A+	A++ A+
		UPDATE Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXP-N			A++ A++	A++ A++		A++ A++			A++ A+ (pair only)	A++ A+ (pair only)	A++ A+ (pair only)
		NEW Sensira Wall mounted unit for low energy consumption and pleasant comfort	FTXF-E/D			A++ A+ (pair only)	A++ A+ (pair only)		A++ A+ (pair only)		A++ A+ (pair only)	A++ A+ (pair only)	A++ A+ (pair only)	A A (pair only)
			CTXF-C			● (multi only)	● (multi only)		● (multi only)					
		NEW Sensira Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	FTXC-D			A++ A+ (pair only)	A++ A+ (pair only)		A++ A+ (pair only)			A++ A+ (pair only)	A++ A+ (pair only)	A A (pair only)
	Floor standing	UPDATE Perfera Design floor standing unit for optimal heating comfort thanks to unique heating features	CVXM-A9			● (multi only)								
			FVXM-A9				A+++ A++		A++ A++			A++ A+		
	Concealed ceiling	Concealed ceiling unit Compact concealed ceiling unit, with a height of only 200mm	FDXM-F9				A+ A+		A A			A+ A	A A	
Siesta range	Wall mounted	Siesta wall mounted unit Discreet, modern design for optimal efficiency and comfort thanks to 2 area motion detection sensor	ATXM-R			● (multi only)	A+++ A+++		A+++ A+++			A++ A++		
		UPDATE Siesta wall mounted unit Discreet Siesta wall mounted unit providing high efficiency and comfort	ATXP-N			A++ A++	A++ A++		A++ A++					
		UPDATE Siesta wall mounted unit Wall mounted unit for low energy consumption and pleasant comfort	ATXF-E/A			A++ A+	A++ A+		A++ A+		A++ A+ (pair only)	A++ A+ (pair only)	A++ A+	A A
		NEW Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-D			A++ A+ (pair only)	A++ A+ (pair only)		A++ A+ (pair only)			A++ A+ (pair only)	A++ A+ (pair only)	A A (pair only)
Optimised heating range	Wall mounted	Stylish Most compact design wall mounted unit, even at ambient temperatures down to -25°C	FTXTA-BW/BB					A++ A+++ (pair only)						
		Perfera Attractive, wall mounted design with perfect indoor air quality	FTXTM-R					A++ A+++ (pair only)		A++ A+++ (pair only)				
		Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXTP-M				A++ A++ (pair only)		A++ A++ (pair only)					
	Floor standing	Perfera Design floor standing unit for optimal heating comfort thanks to unique heating features	FVXM-A				A++ A++ (pair only)		A++ A++ (pair only)					
	Wall mounted	Siesta wall mounted unit Discreet wall mounted unit providing high efficiency and comfort	ATXTP-M				A++ A++ (pair only)		A++ A++ (pair only)					

Energy efficiency class in cooling and heating (average climate)

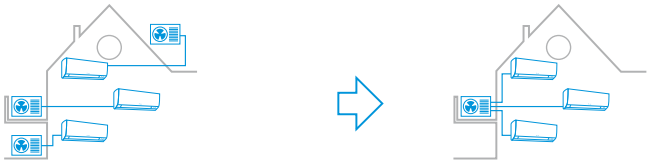


Full R-32 pair and multi outdoor unit range

Flexible configurations work in all homes

Whether you are looking for a single room solution or a system for your entire home, we can accommodate your needs.

Pair split or multi split combination – the direct system comparison



Conventional pair split installation for three rooms

Solution for the same situation with only one multi split outdoor unit

	Model	Product name		20	25	30	35	40	42	50	52	60	68	71	80	90
Standard range	Pair heat pump	RXZ-N			●		●			●						
		RXA-A9/B		●	●		●		●	●						
		RXJ-A		●	●		●		●	●						
		RXM-R(9)		●	●		●		●	●		●		●		
		NEW RXP-N		●	●		●			●		●		●		
		NEW RXF-E/D		●	●		●		●	●		●		●		
		NEW RXC-D		●	●		●			●		●		●		
	Multi heat pump	2-port MXM-A9						●		●			● new capacity			
		3-port MXM-A9						●			●		●			
		4-port MXM-A9											●		●	
		5-port MXM-A9														●
		2-port MXF-A						●		●						
		3-port MXF-A9									●		●			
	Multi + heat pump and hot water	4-port MWXM-A9									●					
Siesta range	Pair heat pump	ARXM-R(9)			●		●			●						
		NEW ARXP-N		●	●		●									
		NEW ARXF-E/A		●	●		●		●	●		●		●		
		NEW ARXC-D		●	●		●			●		●		●		
	Multi heat pump	2-port AMXM-M9						●		●						
		3-port AMXM-N9									●					
		2-port AMXF-A						●		●						
		3-port AMXF-A9									●					
Optimised heating range	Pair heat pump down -25°C	RXTA-B				●										
		RXTM-R				● (pair only)		● (pair only)								
		RXTP-R			● (pair only)		● (pair only)									
		ARXTP-R			● (pair only)		● (pair only)									

Benefits overview

Split

BLUEVOLUTION

R-32

		Standard range								
		Wall mounted								Concealed ceiling
				NEW		NEW	UPDATE			
		FTXZ-N	C/FTXA-AW/BS/BT/BB	FTXJ-AW/S/B	C/FTXM-R	FTXP-N	FTXF-E/D	CTXF-C	FTXC-D	FDXM-F9
								 multi only		
We care	Econo mode	●	●	●	●	●	●	●		
	2-area motion detection sensor				●					
	3- area motion detection sensor	●								
	Energy saving during operation standby	●	●	●	●	●	●	●	●	
	Home leave operation									●
	Night set mode		●	●	●	●				
	Fan only	●	●	●	●	●	●	●	●	●
	Auto cleaning filter	●								●*
Comfort	Comfort mode	●	●	●	●	●	●	●		
	Powerful mode	●	●	●	●	●	●	●	●	
	Auto cooling-heating changeover	●	●	●	●	●	●	●	●	
	Whisper quiet (down to 19dBA)	●	●	●	●	●				
	Practically inaudible		●	●	●	●				
	Indoor unit silent operation	●	●	●	●	●	●	●		
	Comfortable sleeping mode	●							●	
	Outdoor unit silent operation	●	●	●	●					
	Fire place logic									
	Heat boost			●	●					
	Heat plus									
	Floor warming									
Air flow	3-D Air flow	●	●	●	●	●				
	Vertical auto swing	●	●	●	●	●	●	●	●	
	Horizontal auto swing	●	●	●	●	●				
	Auto fan speed	●	●	●	●	●	●	●	●	
	Fan speed steps	5	5	5	5	5	3	3	5	3
	Intelligent thermal sensor		●	●						
	Coanda Effect	● (cooling only)	● (cooling and heating)	● (cooling and heating)						
Humidity control	Ururu - humidification	●								
	Sarara - dehumidification	●								
	Dry programme		●	●	●	●	●	●	●	●
Air treatment	Flash Streamer**	●	●	●	●					
	Titanium apatite deodorising filter	●	●	●	●	●			●	
	Silver allergen removal and air purifying filter		●	●	●	●				
	Air filter	●	●	●	●	●	●	●	●	●
Remote control & timer	Onecta app	●*	●	●	●	●	●*	●*	●*	●*
	Weekly timer		●	●	●					●
	24 Hour timer	●			●	●	●	●	●	●
	Infrared remote control	●	●	●	●	●	●	●	●	●
	Wired remote control		●*	●*	●*					●*
	Centralised remote control	●	●	●	●					●
	Multi zoning									●
Other functions	Auto-restart	●	●	●	●	●	●	●	●	●
	Self-diagnosis	●	●	●	●	●	●	●	●	●
	Multi model application		●	●	●	● 20,25,35 class		● 20,25,35 class		●
	Guaranteed operation down to -25°C									

* Available as option

** The Flash Streamer technology is not meant to be used for medical purposes

	Siesta range				Optimised heating range				
Floor standing	Siesta Wall mounted				Wall mounted			Floor standing	Siesta Wall mounted
UPDATE		NEW	UPDATE	NEW					
C/FVXM-A9	ATXM-R	ATXP-N	ATXF-E/A	ATXC-D	FTXTA-BW/BB	FTXTM-R	FTXTP-M	FVXM-A	ATXTP-M
									
●	●	●	●		●	●	●	●	●
	●					●			
●	●	●	●	●	●	●	●	●	●
●	●	●			●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
	●	●	●		●	●	●		●
●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
	●								
●		●			●	●		●	
●	●	●	●		●	●	●	●	●
				●					
●	●				●	●		●	
					●	●			
●	●				●	●		●	
●								●	
●								●	
	●	●			●	●			
●	●	●	●	●	●	●	●	●	●
	●	●			●	●			
●	●	●	●	●	●	●	●	●	●
5	5	5	3	5	5	5	5	5	5
					●				
					●				
●	●	●	●	●	●	●	●	●	●
●	●				●	●		●	
●		●			●	●	●	●	●
		●							
●	●	●	●	●	●	●		●	
●	●*	●	●*	●*	●	●	●	●	●
●	●				●	●		●	
●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●
●	●*				●*	●*		●	
●	●				●	●		●	
●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
●	●	● 20,25,35 class	● 20,25,35 class (ATXF-A only)						
					●	●	●	●	●



The best of the best

Why choose Ururu Sarara?

The Daikin Ururu Sarara brings a new level of sophisticated control to air to air heat pumps. It has five air treatment techniques which together provide a total comfort solution. In addition,the Ururu Sarara range has SEER up to 9.54 and SCOP up to 5.90 with A+++ ratings thanks to its energy efficient compressor and heat exchanger. Because of its innovative technology, as well as its design, it won the prestigious Red Dot design award in 2013.

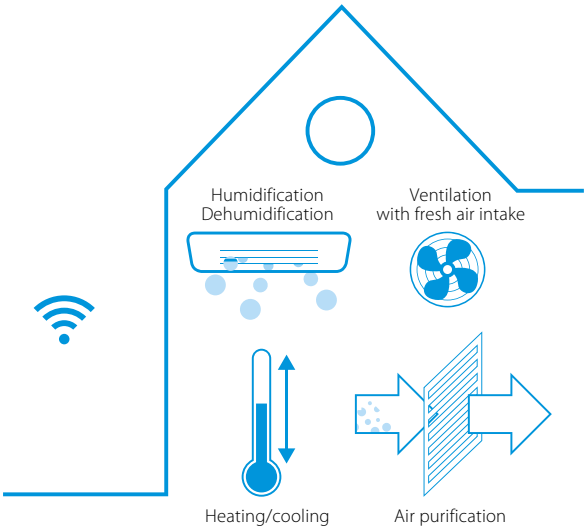
5 air treatment techniques

- Heating and cooling in one unit, for year-round comfort with the highest energy label available
- In winter, the Ururu function replenishes the moisture in the air to maintain a comfortable feel without unnecessary heating
- In summer, the Sarara function removes excess moisture while maintaining an even temperature thus eliminating the need for extra cooling
- Ventilation for fresh air even with closed windows
- Air purification and automatic filter cleaning to remove allergens to supply clean air

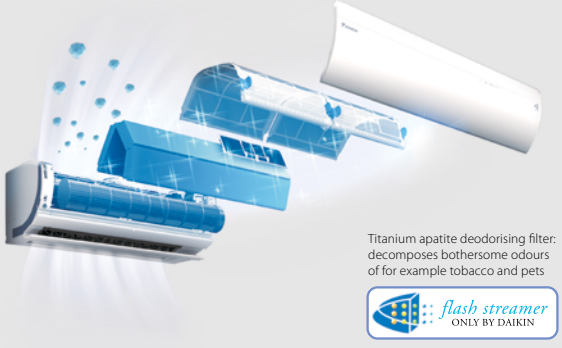
reddot design award winner 2013

DAIKIN

BLUEVOLUTION A+++



Flash Streamer*:
generates high-speed electrons
Pre-filter: catches dust



Did you know?

Fresh air, even with closed windows

Unlike a conventional air conditioner, the Ururu Sarara brings fresh, conditioned air into the room. The Ururu Sarara is the very first residential heat pump system that – because of its powerful ventilation capacity of 30 m^3/h – can fill a room of more than 26 m^2 with fresh air in less than two hours. Furthermore, the incoming air is brought in at the desired temperature without thermal loss.

* The Flash Streamer technology is not meant to be used for medical purposes

Wall mounted unit

Complete climate control with (de)humidification, air purification & ventilation with top efficiencies in heating & cooling

- Unique combination of humidification, dehumidification, ventilation, air purification and heating & cooling in 1 system
- 3 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting
- No need to clean filters, thanks to the self cleaning filter
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Seasonal efficiency values: full range A+++ in cooling and heating
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- Reddot design award winner 2013



More details and final information can be found by scanning or clicking the QR codes.

FTXZ-N

RXZ-N

Efficiency data					FTXZ + RXZ	25N + 25N	35N + 35N	50N + 50N
Cooling capacity	Min./Nom./Max.			kW		0.6/2.5/3.9	0.6/3.5/5.3	0.6/5.0/5.8
Heating capacity	Min./Nom./Max.			kW		0.6/3.6/7.5	0.6/5.0/9.0	0.6/6.3/9.4
Power input	Cooling		Min./Nom./Max.	kW		0.11/0.41/0.88	0.11/0.66/1.33	0.11/1.10/1.60
	Heating		Min./Nom./Max.	kW		0.10/0.62/2.01	0.10/1.00/2.53	0.10/1.41/2.64
Space cooling	Energy efficiency class						A+++	
	Capacity		Pdesign	kW		2.50	3.50	5.00
	SEER					9.54	9.00	8.60
	Annual energy consumption			kWh/a		92	136	203
Space heating (Average climate)	Energy efficiency class						A+++	
	Capacity		Pdesign	kW		3.50	4.50	5.60
	SCOP/A					5.90	5.73	5.50
	Annual energy consumption			kWh/a		831	1,100	1,427
Nominal efficiency	EER					6.10	5.30	4.55
	COP					5.80	5.00	4.47
	Annual energy consumption			kWh		205	330	550
	Energy labeling Directive		Cooling/Heating				A/A	
Indoor unit					**FTXZ**	**25N**	**35N**	**50N**
Dimensions	Unit	HeightxWidthxDepth		mm			295x798x372	
Weight	Unit			kg			15	
Air filter	Type						Auto cleaning filter	
Fan	Air flow rate	Cooling	Silent operation/Low/High	m^3/min		4.0/5.3/10.7	4.0/5.6/12.1	4.6/6.6/15.0
		Heating	Silent operation/Low/High	m^3/min		4.8/6.7/11.7	4.8/6.9/13.3	5.9/7.7/14.4
Sound power level	Cooling			dBA		54	57	60
	Heating			dBA		56	57	59
Sound pressure level	Cooling	Silent operation/Low/Nom./High		dBA		19/26/33/38	19/27/35/42	23/30/38/47
	Heating	Silent operation/Low/Nom./High		dBA		19/28/35/39	19/29/36/42	24/31/38/44
Control systems	Infrared remote control						ARC477A1	
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/220-240	
Outdoor unit					**RXZ**	**25N**	**35N**	**50N**
Dimensions	Unit	HeightxWidthxDepth		mm			693x795x300	
Weight	Unit			kg			50	
Sound power level	Cooling			dBA		59	61	63
	Heating			dBA		59	61	64
Sound pressure level	Cooling	High		dBA		46	48	49
	Heating	High		dBA		46	48	50
Operation range	Cooling	Ambient	Min.~Max.	°CDB			-10~43	
	Heating	Ambient	Min.~Max.	°CWB			-20~18	
Refrigerant	Type						R-32	
	GWP						675	
	Charge			kg/TCO2Eq			1.34/0.9	
Piping connections	Liquid	OD		mm			6.35	
	Gas	OD		mm			9.5	
	Piping length	OU - IU	Max.	m			10	
	Level difference	IU - OU	Max.	m			8	
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A			16	

Daikin Emura

Design that speaks for itself



Why choose Daikin Emura?

› Ultimate comfort, designed with the highest **quality** in mind... Its design speaks for itself: Daikin Emura pleases the eye and has a strong focus on comfort and user experience to improve your well-being at home.

› When you choose Daikin technology, you can count on year-round **comfort, energy efficiency, reliability** and **control**.

DESIGN AWARD 2022 · GOOD DESIGN · reddot award 2022 winner

High energy efficiency

Seasonal efficiency gives a more realistic indication on how efficient air-to-air heat pump operate over an entire heating or cooling season. The label includes multiple classifications from A+++ to G. Daikin Emura achieves high energy efficiencies:

› SEER up to A+++

› SCOP up to A+++

Benefits

- Almost inaudible with sound levels down to 19 dBA
- 3D airflow
- Intelligent thermal sensor
- Heat boost
- Weekly timer
- Onecta app: always in control no matter where you are, including voice control
- Connectable to pair, multi and VRV

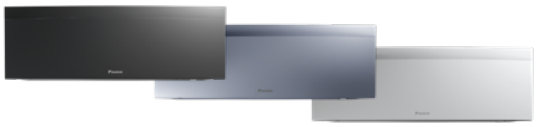






Unique design

Silver, matt white and matt black, these are the three monochrome colours in which Daikin Emura is available.



The front panel of the remote control matches the colours of the indoor unit – the casing is anthracite grey to create a floating effect.



The outdoor unit comes in ivory white.



Comfort

Intelligent thermal sensor

Daikin Emura uses an intelligent thermal sensor to detect a room's current temperature. After determining the room temperature, the intelligent thermal sensor distributes air evenly throughout the room before switching to an airflow pattern that directs warm and cool air to areas that need it.

3D airflow

Combines vertical and horizontal auto-swing to circulate a stream of warm or cool air right to the corners of even large spaces.

Inaudible to hear

Daikin Emura is almost inaudible with sound levels down to 19 dBA.

Coanda effect

By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

Heat boost

Daikin Emura quickly heats the room when starting up, ensuring the set temperature is reached faster.

DAIKIN emura

BLUEVOLUTION

Wall mounted unit

Design that speaks for itself

- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white, silver and black
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular airconditioner (pair only)
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc.
- Onecta app: control your indoor from any location with an app, via your local network or internet
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!



- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating

More details and final information can be found by scanning or clicking the QR codes.

FTXJ-AW FTXJ-AS FTXJ-AB RXJ-A

Efficiency data				FTXJ/RXJ	20AW/S/B + 20A	25AW/S/B + 25A	35AW/S/B + 35A	42AW/S/B + 42A	50AW/S/B + 50A
Cooling capacity	Min./Nom./Max.			kW	1.3/2.0/2.6	1.3/2.5/3.2	1.4/3.4/4.0	1.7/4.2/5.0	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.			kW	1.3/2.5/3.5	1.3/2.8/4.7	1.4/4.0/5.2	1.7/5.4/6.0	1.7/5.8/6.5
Power input	Cooling		Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating		Nom.	kW	0.50	0.56	0.99	1.31	1.45
Space cooling	Energy efficiency class					A+++		A++	
	Capacity		Pdesign	kW	2	2.5	3.4	4.2	5
	SEER				8.75	8.74	8.73	7.5	7.33
	Annual energy consumption			kWh/a	80	100	136	196	239
Space heating (Average climate)	Energy efficiency class					A+++		A++	
	Capacity		Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	SCOP				5.15	5.15	5.15	4.6	4.6
	Annual energy consumption			kWh/a	652	666	680	1,156	1,218
Nominal efficiency	EER				4.7	4.46	4.37	3.99	3.68
	COP				5	5	4.04	4.12	4
	Annual energy consumption				213	280	389	526	679
	Energy labeling Directive		Cooling/Heating				A/A		

Indoor unit				FTXJ	20AW/S/B	25AW/S/B	35AW/S/B	42AW/S/B	50AW/S/B
Dimensions	Unit	HeightxWidthxDepth		mm	305x900x212				
Weight	Unit			kg	12				
Air filter	Type				Removable / washable				
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.6/6.0/8.4/11.0	4.6/6.0/8.6/11.4	4.6/6.0/8.6/11.8	4.6/7.2/9.5/13	5.2/7.6/10.4/13.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.6/6.4/8.7/11.1	4.6/6.4/9.0/11.3	4.6/6.4/9.0/11.7	5.2/7.7/10.5/14.4	5.7/8.2/11.1/15.0
Sound power level	Cooling			dBA	57	57	60	60	60
	Heating			dBA	-	-	-	-	-
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39	19/25/40	19/25/41	21/29/45	24/31/46
	Heating	Silent operation/Low/High		dBA	19/25/39	19/25/40	19/25/41	21/29/45	24/33/46
Control systems	Infrared remote control				ARC488A1W/S/B				
	Wired remote control				BRC073A1				
Piping connections	Drain				18				

* +2 dBA in Multi combination

Outdoor unit				RXJ	20A	25A	35A	42A	50A
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350			734x954x408	
Weight	Unit			kg	33			49	
Sound power level	Cooling	Nom.		dBA	59	59	61	62	62
	Heating	Nom.		dBA	59	59	61	62	62
Sound pressure level	Cooling	Nom.		dBA	46	46	49	48	48
	Heating	Nom.		dBA	47	47	49	48	49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50				
	Heating	Ambient	Min.~Max.	°CWB	-21~18				
Refrigerant	Type/GWP				R-32/675.0				
	Charge			kg/TCO2Eq	0.76/0.52			1.10/0.75	
Piping connections	Liquid/Gas	OD		mm	6.35/9.50			6.35/12.7	
	Piping length	OU - IU	Max.	m	20			30	
		System	Chargeless	m	10				
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)				
	Level difference	IU - OU	Max.	m	15			20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240				
Current - 50Hz	Maximum fuse amps (MFA)			A	10	13			

Contains fluorinated greenhouse gases


DAIKIN EMURA BLACK
FTXJ-AB


SIMPLIFIED REMOTE
CONTROL


DAIKIN EMURA WHITE
FTXJ-AW


DAIKIN EMURA SILVER
FTXJ-AS


DAIKIN EMURA OUTDOOR
UNIT RXJ-A



Stylish

where innovation meets creativity

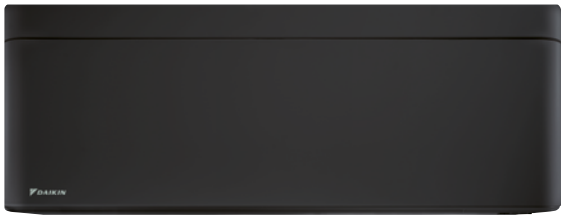




White FTXA-AW



Silver FTXA-BS



Black FTXA-BB



Blackwood FTXA-BT

up to A+++ in heating & cooling

Available in 4 colours

› Users can choose from **four distinct colours** (white, silver, black and blackwood)
› **Curved corners** create an unobtrusive and space-saving design
› **Thin dimensions** make it the most compact design unit on the market
› Simple panel enables variation in texture and colour to easily blend into any room
› Award winning design: Stylish earned the Reddot award, the Good Design Award and iF award for its innovative look and functional capabilities

iF DESIGN AWARD 2018

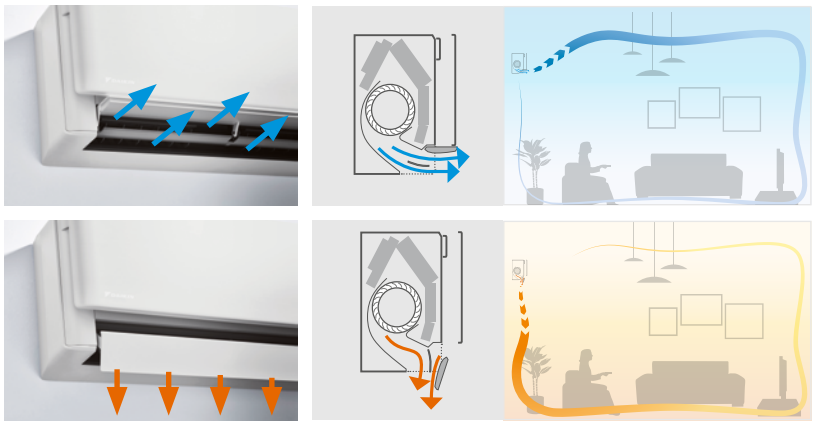
reddot award 2018 winner

GOOD DESIGN AWARD 2017

The Coanda effect

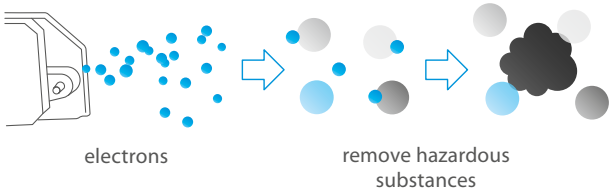
Already present in the Ururu Sarara, the **Coanda effect** optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

The Coanda effect creates two different airflow patterns depending on whether Stylish is in cooling or heating mode. On the top is the Coanda effect in cooling mode (ceiling airflow), while the bottom images demonstrate the Coanda effect in heating mode (vertical airflow).



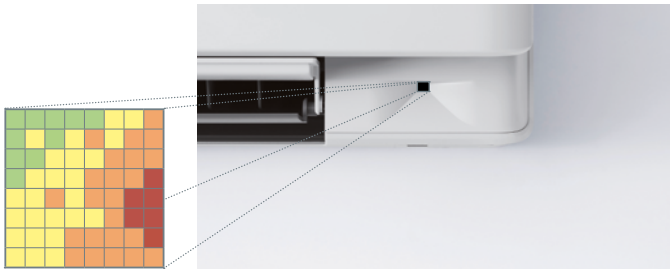






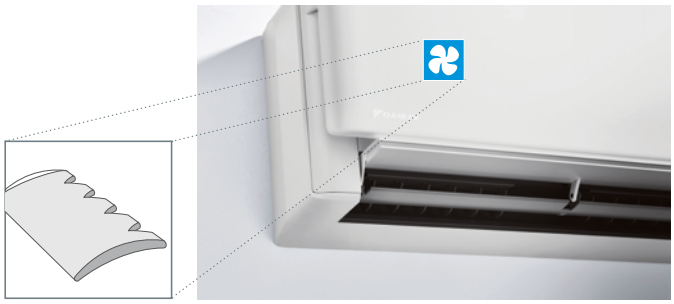
Air quality

Flash streamer: using electrons to trigger chemical reactions with airborne particles, the Flash Streamer removes allergens such as pollen and fungal allergens, eliminating unpleasant odours and providing better, cleaner air.



Intelligent thermal sensor

Stylish uses an **intelligent thermal sensor** to detect the surface temperature of a room to create a more comfortable climate. After determining the current room temperature, the grid eye sensor distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.



Quiet operation

Stylish uses a **specially designed fan** to optimise airflow for higher energy efficiency at low sound levels. To achieve higher energy efficiency, Daikin designed a fan that runs efficiently within Stylish's compact dimensions. Together, the fan and heat exchanger attain top energy performance but operate at a sound level that is practically inaudible to occupants.



Onecta app

Control your system and enjoy maximum comfort, just by using your voice. Via Amazon Alexa or Google Assistant you can control main functions such as temperature set point, operation mode, fan speed, and much more!

Your benefits

› Access to various features for controlling your internal climate
› Manage the temperature, operating mode, air purification and fans with the interactive thermostat
› Create different operating schedules and modes
› Monitor energy consumption

stylish

BLUEVOLUTION

Wall mounted unit

Where innovation meets creativity

- A compact and functional design suitable for all interiors in a white, black, silver and blackwood coloured elegant finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



- Seasonal efficiency values up to A+++ in cooling and heating

More details and final information can be found by scanning or clicking the QR codes.

CTXA-AW CTXA-BB CTXA-BT CTXA-BS RXA-A9

FTXA-AW FTXA-BB FTXA-BT FTXA-BS RXA-B

Efficiency data				FTXA + RXA	CTXA15AW/BS/BT/BB	20AW/BS/BT/BB + 20A9	25AW/BS/BT/BB + 25A9	35AW/BS/BT/BB + 35A9	42AW/BS/BT/BB + 42B	50AW/BS/BT/BB + 50B
Cooling capacity	Min./Nom./Max.			kW	Connectable to multi outdoor units only	1.30/2.00/2.60	1.30/2.50/3.20	1.40/3.40/4.00	1.70/4.20/5.00	1.70/5.00/5.30
Heating capacity	Min./Nom./Max.			kW		1.30/2.50/3.50	1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.40/6.00	1.70/5.80/6.50
Power input	Cooling		Min./Nom./Max.	kW		0.27/0.43/0.63	0.27/0.56/0.78	0.31/0.78/1.04	-/1.05/-	-/1.36/-
	Heating		Min./Nom./Max.	kW		0.25/0.50/0.91	0.25/0.56/1.22	0.26/0.99/1.67	-/1.31/-	-/1.45/-
Space cooling	Energy efficiency class						A+++		A++	
	Capacity		Pdesign	kW		2.00	2.50	3.40	4.20	5.00
	SEER					8.75	8.74	8.73	7.50	7.33
	Annual energy consumption			kWh/a		80	100	136	196	239
Space heating (Average climate)	Energy efficiency class						A+++		A++	
	Capacity		Pdesign	kW		2.40	2.45	2.50	3.80	4.00
	SCOP/A						5.15		4.60	
	Annual energy consumption			kWh/a		653	666	680	1,150	1,217
Nominal efficiency	EER					4.70	4.46	4.37	3.99	3.68
	COP					5.00		4.04	4.12	4.00
	Annual energy consumption			kWh			-		526	679
	Energy labeling Directive			Cooling/Heating			A/A			
Current - 50Hz	Maximum fuse amps (MFA)			A		10	13			

Indoor unit				FTXA	CTXA15AW/BS/BT/BB	20AW/BS/BT/BB	25AW/BS/BT/BB	35AW/BS/BT/BB	42AW/BS/BT/BB	50AW/BS/BT/BB
Dimensions	Unit	HeightxWidthxDepth		mm	295x798x189					
Weight	Unit			kg	12					
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.6/6.1/8/11.0	4.6/6.1/8.2/11.0	4.6/6.1/8.6/11.5	4.6/6.1/8.6/11.9	4.6/7.2/9.8/13.1	5.2/7.6/10.4/13.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.5/6.4/8.7/10.9		4.5/6.4/9.0/11.1	4.5/6.4/9.0/11.5	5.2/7.7/10.5/14.6	5.7/8.2/11.1/15.1
Sound power level	Cooling			dBA	57			60		
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/25/39	19/25/39	19/25/40	19/25/41	21/29/45	24/31/46
	Heating	Silent operation/Low/High		dBA	21/25/39	19/25/39	19/25/40	19/25/41	21/29/45	24/33/46
Control systems	Infrared remote control				ARC466A58					
	Wired remote control									

Outdoor unit				RXA		20A9	25A9	35A9	42B	50B
Dimensions	Unit	HeightxWidthxDepth		mm	Connectable to multi outdoor units only	550x840x350			734x870x373	
Weight	Unit			kg		32			50	
Sound power level	Cooling	Nom.		dBA		59.0		61.0	62.0	
	Heating	Nom.		dBA		59.0		61.0	62.0	
Sound pressure level	Cooling	Nom.		dBA		46.0		49.0	48.0	
	Heating	Nom.		dBA		47.0		49.0	48.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46				
	Heating	Ambient	Min. - Max.	°CWB		-15~18				
Refrigerant	Type/GWP					R-32/675.0				
	Charge			kg/TCO2Eq		0.76/0.52			1.10/0.75	
Piping connections	Liquid/Gas	OD		mm		6.35/9.50			6.35/12.7	
	Piping length	OU - IU	Max.	m		20			30	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)				
	Level difference	IU - OU	Max.	m		15.0			20	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /220-240				

Contains fluorinated greenhouse gases | See separate drawing for operation range | See separate drawing for electrical data | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.


STYLISH BLACKWOOD
FTXA-BT


STYLISH WHITE
FTXA-AW


STYLISH SILVER
FTXA-BS


STYLISH BLACK
FTXA-BB



Perfera,

The perfect solution for a comfortable home

Perfera wall mounted unit

makes living and working a breeze

Whatever the weather's doing outside, inside you want optimum comfort throughout the day. Like a cool summer breeze, Perfera instinctively knows how to keep the room temperature in your living or working space at the ideal level, so that you and those around you can get on with relaxing, enjoying yourselves – and being productive. The stylishly designed front panel, whisper-quiet operation and the perfect circulation of cooled or heated air help make each room the place you – and everyone – always want to be.

Intelligent - Comfortable - Quiet

3-D Air flow

By pressing the buttons on the remote control, this function combines vertical and horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.

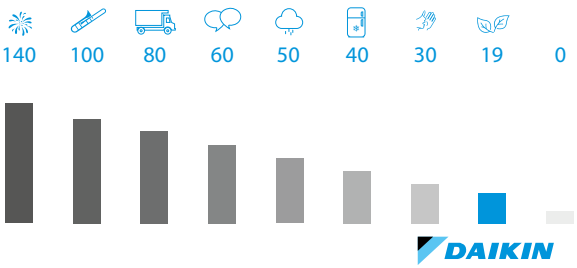
Silent operation

Perfera uses a specially designed fan that optimises airflow and creates high energy efficiency at low sound levels. For even higher energy efficiency, Daikin has also designed a new fan that fits snugly into Perfera's compact dimensions.

Together, the fan and heat exchanger produce top energy performance, yet operate at a sound level that is practically inaudible. Shhh!

2-area motion detection sensor

Air flow is sent to a zone other than where the person is located at that moment. If no people are detected, the unit will automatically switch over to the energy efficient setting.

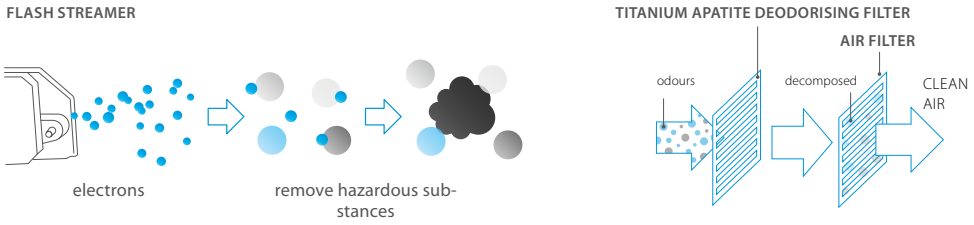


Air quality

Flash streamer/ titanium apatite deodorising filter

Flash streamer: using electrons to trigger chemical reactions with airborne particles, the Flash Streamer removes allergens such as pollen and fungal allergens, eliminating unpleasant odours and providing better, cleaner air.

And the titanium apatite deodorising filter works hard to combat smells such as tobacco smoke and pets.



Silver allergen removal filter

The Silver allergen removal and air purifying filter is your solution, because it captures allergens such as pollen to ensure a steady supply of clean air.

Energy efficiency

The enhanced design of the Perfera boosts energy efficiency even further compared with previous models. It boasts a seasonal energy efficiency ratio (SEER) of up to 8.65 and a seasonal coefficient of performance (SCOP) of up to 5.10. This gives the Perfera best-in-class performance, with seasonal efficiency values up to A+++ in cooling and heating resulting in low running costs.

The Perfera is an energy-saving winner from every angle.

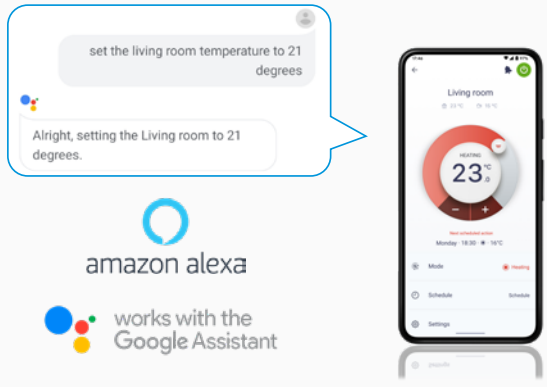
up to A+++ in cooling

up to A+++ in heating

Heat boost

Heat boost quickly heats up your home when starting up your air-to-air heat pump. Set temperature is reached 14% faster* than a regular unit (pair only).

*Heat Plus test condition: 50 class, outdoor temperature 2°C - Indoor temperature 10°C, R/C setting: 23°C



Intuitive online and voice control

NEW Control your system and enjoy maximum comfort, just by using your voice. Via Amazon Alexa or Google Assistant you can control main functions such as temperature set point, operation mode, fan speed, and much more!

perfera BLUEVOLUTION

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Quiet operation: down to 19dBA sound pressure level
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- 2-area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting. (larger capacity area)



More details and final information can be found by scanning or clicking the QR codes.

CTXM-R FTXM-R RXM-R RXM-R9

Efficiency data				FTXM + RXM	CTXM15R	20R + 20R9	25R + 25R9	35R + 35R9	42R + 42R	50R + 50R	60R + 60R	71R + 71R
Cooling capacity	Min./Nom./Max.			kW	Multi combination only	1.30/2.00/2.60	1.30/2.50/3.20	1.40/3.40/4.00	1.70/4.20/5.00	1.70/5.00/6.00	1.70/6.00/7.00	2.30/7.10/8.50
Heating capacity	Min./Nom./Max.			kW		1.30/2.50/3.50	1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.40/6.00	1.70/5.80/7.70	1.70/7.00/8.00	2.30/8.20/10.20
Power input	Cooling		Nom.	kW		0.44	0.56	0.80	0.97	1.36	1.77	2.34
	Heating		Nom.	kW		0.50	0.56	0.99	1.31	1.45	1.94	2.57
Space cooling	Energy efficiency class						A+++			A++		
	Capacity		Pdesign	kW		2.00	2.50	3.40	4.20	5.00	6.00	7.10
	SEER						8.65		7.85	7.41	6.90	6.20
	Annual energy consumption			kWh/a		81	101	137	187	236	304	401
Space heating (Average climate)	Energy efficiency class						A+++			A++	A+	
	Capacity		Pdesign	kW		2.30	2.40	2.50	4.00	4.60	4.80	6.20
	SCOP/A						5.10		4.71		4.30	4.10
	Annual energy consumption			kWh/a		631	659	686	1,189	1,368	1,562	2,117
Nominal efficiency	EER					4.57	4.50	4.23	4.33	3.68	3.39	3.03
	COP					5.00		4.04	4.12	4.00	3.61	3.19
	Annual energy consumption			kWh		219	278	402	485	679	885	1,172
	Energy labeling Directive		Cooling/Heating			A/A						B/D

Indoor unit				FTXM	CTXM15R	20R	25R	35R	42R	50R	60R	71R
Dimensions	Unit	HeightxWidthxDepth		mm	Multi combination only	295x778x272					299x998x292	
Weight	Unit			kg		10.0					14.5	
Air filter	Type					Removable/washable						
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min		4.3/5.7/7.5/10.5	4.1/5.7/7.6/10.5	4.2/6.0/7.8/11.3	4.3/6.5/9.0/11.9	8.3/11.4/14/15.8	9.1/11.8/14/16.7	10.0/12.2/15/16.9
		Heating	Silent operation/ Low/Medium/High	m^3/min		5.1/6.2/8.2/9.3	4.9/6.3/8.0/9.8	4.9/6.5/8.5/9.8	4.9/6.5/9.7/12.4	10.5/12.0/14.2/15.8	11.1/12.4/15.2/16.5	11.6/12.7/15.8/17.7
Sound power level	Cooling			dBA		57		58	60	58.0	60.0	
	Heating			dBA		54			60	58.0	59.0	61.0
Sound pressure level	Cooling	Silent operation/Low/High		dBA		19/25/41		19/29/45	21/30/45	27.0/36.0/44.0	30.0/37.0/46.0	32.0/38.0/47.0
	Heating	Silent operation/Low/High		dBA		20/26/39	20/27/39	20/28/39	21/29/45	31.0/34.0/43.0	33.0/36.0/45.0	34.0/37.0/46.0
Control systems	Infrared remote control					ARC466A67						

Outdoor unit				RXM	CTXM15R	20R9	25R9	35R9	42R	50R	60R	71R
Dimensions	Unit	HeightxWidthxDepth		mm	Multi combination only	552x840x350			734x954x401			
Weight	Unit			kg		32			49.0			55
Sound power level	Cooling	Nom.		dBA		59.0	58.0	61.0	62	62	63	66
	Heating	Nom.		dBA		59.0		61.0	42	50	60	71
Sound pressure level	Cooling	Nom.		dBA		46.0		49.0	48.0			47.0
	Heating	Nom.		dBA		47.0		49.0	48.0	49.0		48.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~50(1)/46(2)			-10~50(4)/46(5)			-10~46
	Heating	Ambient	Min. - Max.	°CWB		-15~18 (R2)			-21~18 (R5)			-15~18
Refrigerant	Type/GWP					R-32/675.0						
	Charge			kg/TCO2Eq		0.76/0.52			1.10/0.750	1.15/0.780		
Piping connections	Liquid	OD		mm		6.35			6			
	Gas	OD		mm		9.50				12.7		15.9
	Piping length	OU - IU	Max.	m		20			30			
		System	Chargeless	m		10						
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)						
	Level difference	IU - OU	Max.	m		15			20.0			
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A		10	13			16		20

See separate drawing for operation range | See separate drawing for electrical data | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases | See separate drawings for electrical data

comfora

Wall mounted unit

Discreet wall mounted unit providing high efficiency and comfort

- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A++ in cooling and heating
- Space saving contemporary wall mounted design



- Up to 3 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.

More details and final information can be found by scanning or clicking the QR codes.

FTXP-N RXP-N

Efficiency data				**FTXP + RXP**	**20N + 20N**	**25N + 25N**	**35N + 35N**	**50N + 50N**	**60N + 60N**	**71N + 71N**
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.50/4.0	1.7/5.0/6.0	1.7/6.0/7.0	2.3/7.1/7.3
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/3.00/4.00	1.30/4.00/4.80	1.7/6.0/7.7	1.7/7.0/8.0	2.3/8.2/9.0
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.54/0.72	0.31/0.67/0.72	0.29/1.08/1.30	0.320/1.385/1.826	0.332/1.824/2.980	0.449/2.689/3.274
	Heating		Min./Nom./Max.	kW	0.25/0.52/0.95	0.25/0.69/0.95	0.29/0.99/1.29	0.440/1.579/2.356	0.456/1.928/2.787	0.617/2.571/3.306
Space cooling	Energy efficiency class						A++			
	Capacity		Pdesign	kW	2.00	2.50	3.50	5.0	6.0	7.1
	SEER					7.20		7.30	6.82	6.20
	Annual energy consumption			kWh/a	97	121	170	240	308	401
Space heating (Average climate)	Energy efficiency class					A++			A+	
	Capacity		Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.20
	SCOP/A				4.65	4.61	4.64	4.40	4.10	4.01
	Annual energy consumption			kWh/a	663	728	845	1,463	1,638	2,166
Nominal efficiency	EER				3.75		3.26	3.61	3.29	2.64
	COP				4.77	4.36	4.02	3.80	3.63	3.19
	Annual energy consumption			kWh	270	335	540	693	912	1,345
	Energy labeling Directive		Cooling/Heating			A/A			-/-	

Indoor unit				**FTXP**	**20N**	**25N**	**35N**	**50N**	**60N**	**71N**
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225			295x990x263		
Weight	Unit			kg	8.50		9.00	13.5		
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.2/5.6/7.4/9.5	4.2/5.8/7.7/9.7	4.5/6.3/8.3/11.5	8.3/11.5/14.0/16.3	9.2/11.8/14.4/16.8	10.1/11.8/14.4/16.8
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.2/6.2/8.1/10.4	5.2/6.4/8.1/10.4	5.3/7.0/9.0/11.5	10.4/11.8/14.4/17.3	11.0/12.4/15.3/17.9	
Sound power level	Cooling			dBA	55		58	59	60	62
	Heating			dBA	55		58	61	62	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39	19/26/40	20/27/43	27/34/43	30/36/45	32/37/46
	Heating	Silent operation/Low/High		dBA	21/28/39	21/28/40	21/29/40	30/38/42	32/40/44	33/41/45
Control systems	Infrared remote control				ARC480A53					

Outdoor unit				**RXP**	**20N**	**25N**	**35N**	**50N**	**60N**	**71N**
Dimensions	Unit	HeightxWidthxDepth		mm	550x740x343			734x870x373		
Weight	Unit			kg	26		26	46.0	50.0	
Sound power level	Cooling				60		62	61	63	66
Sound pressure level	Cooling	Nom.		dBA	46		48	47	49	52
	Heating	Nom.		dBA	47		48	49		52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~48					
	Heating	Ambient	Min.~Max.	°CWB	-15~18					
Refrigerant	Type				R-32					
	GWP				675.0			675		
	Charge			kg/TCO2Eq	0.55/0.37		0.70/0.48	0.90/0.61	1.15/0.78	
Piping connections	Liquid	OD		mm	6.4			6.35		
	Gas	OD		mm	9.5			12.7		
	Piping length	OU - IU	Max.	m	20			30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)					
	Level difference	IU - OU	Max.	m	12			20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	16			20		

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for electrical data | See separate drawing for operation range | Contains fluorinated greenhouse gases

¨ Integrated for 20-25-35 class. Standard for 50-60-71 class

Wall mounted unit

Wall mounted unit for low energy consumption and pleasant comfort

- Seasonal efficiency values up to A++ in cooling
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Quiet in operation down to 21 dBA
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



FTXF-E



RXF-E



ARC470A1



BRP069C47

More details and final information can be found by scanning or clicking the QR codes.

FTXF-D FTXF-E RXF-D RXF-E

Efficiency data				FTXF + RXF	20E + 20E	25E + 25E	35E + 35E	42E + 42E	50D + 50D	60D + 60D	71D + 71D
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.4	1.3/2.50/2.8	1.3/3.30/3.8	1.4/4.20/4.3	1.70/5.00/6.00	1.70/6.00/7.00	2.30/7.10/7.30
Heating capacity	Min./Nom./Max.			kW	1.30/2.40/3.30	1.30/2.80/3.70	1.30/3.50/4.40	1.40/4.60/5.00	1.70/6.00/7.70	1.70/6.40/8.00	2.30/8.20/9.00
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.592/0.72	0.31/0.772/1.05	0.31/1.00/1.40	0.31/1.27/1.50	-/1.50/-	-/1.85/-	-/2.77/-
	Heating		Min./Nom./Max.	kW	0.25/0.640/0.95	0.25/0.750/1.11	0.25/0.940/1.50	0.25/1.24/1.40	-/1.62/-	-/1.63/-	-/2.21/-
Space cooling	Energy efficiency class						A++				A
	Capacity		Pdesign	kW	2.00	2.50	3.50	4.20	5.00	6.00	7.10
	SEER						6.50		6.21	6.15	5.15
	Annual energy consumption			kWh/a	108	135	188	226	282	342	483
Space heating (Average climate)	Energy efficiency class						A+				A
	Capacity		Pdesign	kW	2.20	2.40	2.60	3.30	4.60	4.80	6.20
	SCOP/A					4.20		4.30	4.06		3.81
	Annual energy consumption			kWh/a	733	801	867	1,075	1,585	1,654	2,275

Indoor unit				FTXF	20E	25E	35E	42E	50D	60D	71D
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225				295x990x263		
Weight	Unit			kg	8.00		8.50	9.00	13.5		
Air filter	Type				Removable / washable						
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.3/6.0/8/9.8	4.3/6.2/8/10.0	4.4/6.4/8/11.5	4.9/6.9/9/12.6	10.5/11.9/14.4/16.8	10.7/12.2/14.8/17.3	
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.2/8.3/10.4	5.3/6.4/8.4/10.4	5.3/6.5/8.6/11.9	5.2/6.7/8.8/12.8	10.7/12.2/14.8/17.3	11.3/12.8/15.8/17.9	
Sound power level	Cooling			dBA	53.0	54.0		59.0	59	60	62
	Heating			dBA	55.0		56.0	59.0	61	62	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20.0/25.0/39.0	20.0/26.0/40.0	20.0/27.0/43.0	22.0/30.0/45.0	31/34/43	33/36/45	34/37/46
	Heating	Silent operation/Low/High		dBA	21.0/28.0/39.0	21.0/28.0/40.0	21.0/29.0/40.0	22.0/28.0/44.0	30/33/42	32/35/44	33/36/45
Control systems	Infrared remote control				ARC470A1						
	Wired remote control				BRC073A1						
Piping connections	Drain				18						

Outdoor unit				RXF	20E	25E	35E	42E	50D	60D	71D
Dimensions	Unit	HeightxWidthxDepth		mm	550x740x343				734x870x373		
Weight	Unit			kg	24.0			28.0	46.0	50.0	
Sound power level	Cooling				60		61		-		
Sound pressure level	Cooling	Low/Nom./High		dBA	-/-/46.0		-/-/48.0		-/47/-	-/49/-	-/52/-
	Heating	Low/Nom./High		dBA	-/-/47.0		-/-/48.0		-/49/-		-/52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~48						
	Heating	Ambient	Min.~Max.	°CWB	-15 ~18						
Refrigerant	Type				R-32						
	GWP				675.0				675		
	Charge			kg/TCO2Eq	0.450/0.280		0.550/0.370	0.750/0.510	0.90/0.61	1.15/0.78	
Piping connections	Liquid - Gas	Type			- - -						
	Piping length	OU - IU	Max.	m	20				30		
	Piping length				-						
	Level difference	IU - OU	Max.	m	12.0				20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	16				20		
Sound pressure level	Nom.			dBA	-						
Piping connections	Total piping length				-						

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases

sensira

BLUEVOLUTION

Wall mounted unit

Wall mounted unit, offering good value for money

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- Seasonal efficiency values up to A++ in cooling
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



FTXC-D

RXC-D

ARC486A2

BRP069B45

More details and final information can be found by scanning or clicking the QR codes.

FTXC-D

RXC-D

Efficiency data				FTXC + RXC	20D + 20D	25D + 25D	35D + 35D	50D + 50D	60D + 60D	71D + 71D
Cooling capacity	Min./Max.			kW	1.3/3.0		1.3/4.0	1.4/6.2	1.8/7.0	2.3/7.3
Heating capacity	Min./Max.			kW	1.30/4.00		1.30/4.80	1.36/6.60	1.48/8.00	2.30/9.00
Power input	Cooling		Min./Nom./Max.	kW	0.30/0.595/1.15	0.30/0.765/1.15	0.32/1.05/1.74	0.30/1.55/2.11	0.38/1.89/2.05	0.44/2.38/2.54
	Heating		Min./Nom./Max.	kW	0.28/0.670/1.35	0.28/0.750/1.35	0.28/1.07/1.57	0.27/1.52/1.85	0.33/1.68/2.35	0.50/2.46/2.74
Space cooling	Energy efficiency class						A++			A
	Capacity		Pdesign	kW	2.08	2.57	3.44	5.08	6.21	6.96
	SEER				6.89	6.84	6.87	6.45	6.40	5.30
	Annual energy consumption			kWh/a	106	131	175	276	339	460
Space heating (Average climate)	Energy efficiency class						A+			A
	Capacity		Pdesign	kW	1.87	2.23	2.24	3.90	4.10	6.35
	SCOP/A				4.40	4.45	4.28	4.42	4.24	3.81
	Annual energy consumption			kWh/a	595	701	733	1,234	1,353	2,332
Nominal efficiency	EER				3.36	3.35		3.29	3.30	2.98
	COP				3.73	3.79	3.74	3.71	3.81	3.25
	Energy labeling Directive		Cooling/Heating		A/A					C/C
Current - 50Hz	Maximum fuse amps (MFA)			A	16					

Indoor unit				FTXC	20D	25D	35D	50D	60D	71D
Dimensions	Unit	HeightxWidthxDepth		mm	288x770x234				297x990x273	
Weight	Unit			kg	9.00		9.50		13.0	
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	5.4/6.1/8.1/10.8		5.4/6.4/8.7/11.1	7.4/8.1/9.9/12.5	10.2/12.5/14.5/20.4	
Sound power level	Cooling			dBA	57		58	60	63	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/26/40		22/26/41	30/33/47	31/38/48	
Control systems	Infrared remote control				ARC486A2					
	Wired remote control				-					

Outdoor unit				RXC	20D	25D	35D	50D	60D	71D
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x273			615x845x300		695x930x350
Weight	Unit			kg	24.0		26.0	39.0		45.0
Sound power level	Cooling			dBA	58		60	65	66	69
Sound pressure level	Cooling	High		dBA	45		46	51	54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10 ~46			-10 ~46		
	Heating	Ambient	Min.~Max.	°CWB	-15 ~18					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	0.550/0.371		0.750/0.506	1.00/0.675	1.10/0.743	1.15/0.776
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.52			12.7		
	Piping length	OU - IU	Max.	m	20			30		
		System	Chargeless	m	8					
	Additional refrigerant charge			kg/m	0,017 (for piping length exceeding 7.5m)					
	Level difference IU - OU		Max.	m	15.0			20.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					

Contains fluorinated greenhouse gases





Perfera,
Go with the heating flow

Perfera floor standing unit

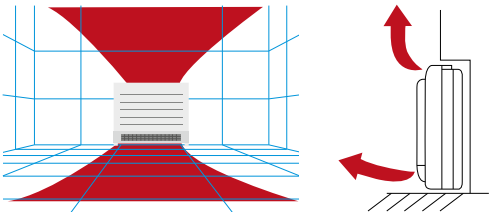
makes your world comfortable

Whatever you're planning to do with your day, you want to be comfortable while you're doing it. Whether it's the coolness of a summer breeze or the cosiness during winter, your living space needs that delicious feeling of wellbeing all year round. Perfera is unobtrusive and features a stylishly designed front panel, whisper-quiet operation and reduced airflow, turning each room into a true heaven of conspicuous comfort.

NEW Multi connection on all capacities: from 2 to 5 port multi

Comfortable: dual airflow

Easier individual control of airflow
The dual airflow of the Perfera floor-standing unit is perfect for creating the ideal level of heating. Air is directed both upwards and downwards to deliver even warm air distribution. And when the Perfera is in heat mode, your feet stay warm and the temperature throughout the room is evenly distributed, guaranteeing maximum comfort. Sheer bliss!



Silent operation

Perfera uses a specially designed turbo fan that optimises airflow and creates high energy efficiency at low sound levels.

up to A++ in heating

up to A+++ in cooling

Air quality

Flash streamer/titanium apatite deodorising filter
Flash streamer: using electrons to trigger chemical reactions with airborne particles, the Flash Streamer removes allergens such as pollen and fungal allergens, eliminating unpleasant odours and providing better, cleaner air. And the titanium apatite deodorising filter works hard to combat smells such as tobacco smoke and pets.

Installation

Whether **built-in or wall-mounted,** the Perfera blends into the background and fits into your interior without any problem.





3 unique heating features

Heat boost

Heat boost quickly heats up your home when starting up your air-to-air heat pump. Set temperature is reached 14% faster* than a regular unit (pair only).

*Heat Plus test condition: 50 class, outdoor temperature 2°C - Indoor temperature 10°C, R/C setting: 23°C



Floor warming

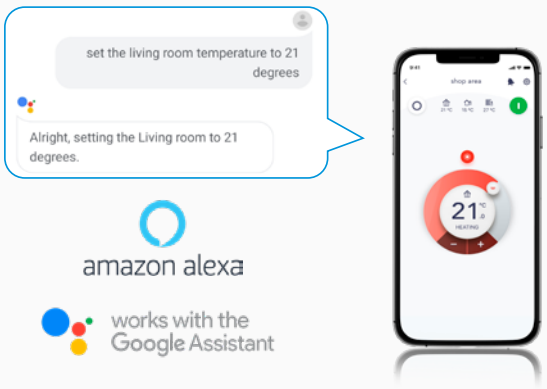
The floor warming function optimises convection by distributing hot air from the bottom of the unit.



Heat plus

The heat plus function provides cosy heating by simulating radiant heat for 30 minutes. Afterwards, the previous settings are again activated.





Intuitive online and voice control

NEW Control your system and enjoy maximum comfort, just by using your voice. Via Amazon Alexa or Google Assistant you can control main functions such as temperature set point, operation mode, fan speed, and much more!

perfera

BLUEVOLUTION

Floor standing unit

Design floor standing unit for optimal heating comfort thanks to unique heating features

- Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
- Excellent contemporary design
- Combinable with all multi outdoor units (2 to 5 ports)
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- The floor warming function optimises convection by distributing hot air from the bottom of the unit
- The heat plus function provides 30 minutes cosy heating by simulating radiant heat
- Dual air discharge flow for better air distribution
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air



- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Quiet operation: down to 19dBA sound pressure level

More details and final information can be found by scanning or clicking the QR codes.

CVXM-A9 FVXM-A9 RXM-R RXM-R9

Efficiency data					FVXM + RXM	CVXM20A9	25A9 + 25R9	35A9 + 35R9	50A9 + 50R
Cooling capacity	Min./Nom./Max.				kW	Multi connection only	1.30/2.40/3.50	1.40/3.40/4.00	1.40/5.00/5.80
Heating capacity	Min./Nom./Max.				kW		1.30/3.40/4.70	1.40/4.50/5.80	1.40/5.80/8.10
Power input	Cooling		Nom.		kW		0.54	0.85	1.31
	Heating		Nom.		kW		0.75	1.15	1.52
Space cooling	Energy efficiency class						A+++		A++
	Capacity		Pdesign		kW		2.40	3.40	5.00
	SEER						8.55	8.11	7.30
	Annual energy consumption				kWh/a		98	147	240
Space heating (Average climate)	Energy efficiency class						A++		A+
	Capacity		Pdesign		kW		2.30	2.80	4.10
	SCOP/A						4.65	4.63	4.31
	Annual energy consumption				kWh/a		693	847	1,330
Nominal efficiency	EER						4.47	4.01	3.81
	COP						4.55	3.90	3.81
	Annual energy consumption				kWh		268	424	656
	Energy labeling Directive				Cooling/Heating		A/A		
Current - 50Hz	Maximum fuse amps (MFA)				A		13		16

Indoor unit					FVXM	CVXM20A9	25A9	35A9	50A9
Dimensions	Unit	HeightxWidthxDepth			mm	600x750x238			
Weight	Unit				kg	17			
Air filter	Type					Removable / washable			
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/ High		m^3/min	4.1/4.9/7/8.7		4.1/4.9/7/9.2	5.4/6.6/9/11.6
		Heating	Silent operation/ Low/Medium/ High		m^3/min	4.1/5.6/7.2/9.2		4.1/5.6/7.2/9.8	5.9/8.4/10.0/12.8
Sound power level	Cooling				dBA	52.0		53.0	61.0
	Heating				dBA	52.0		53.0	62.0
Sound pressure level	Cooling	Silent operation/Low/High			dBA	22.0/25.0/38.0	20.0/25.0/38.0	20.0/25.0/39.0	27.0/31.0/44.0
	Heating	Silent operation/Low/High			dBA	21.0/25.0/38.0	19.0/25.0/38.0	19.0/25.0/39.0	29.0/35.0/46.0
Control systems	Infrared remote control					ARC466A66			
	Wired remote control					BRC073A1			

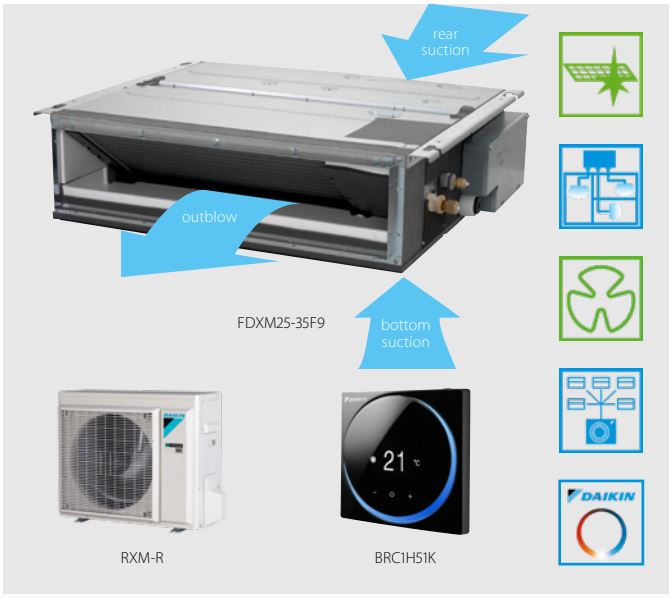
Outdoor unit					RXM	CVXM20A9	25R9	35R9	50R
Dimensions	Unit	HeightxWidthxDepth			mm	Multi connection only	552x840x350		734x954x401
Weight	Unit				kg		32		49.0
Sound power level	Cooling	Nom.			dBA		58.0	61.0	62.0
	Heating	Nom.			dBA		59.0	61.0	62.0
Sound pressure level	Cooling	Nom.			dBA		46.0	49.0	48.0
	Heating	Nom.			dBA		47.0	49.0	
Operation range	Cooling	Ambient	Min.~Max.		°CDB		-10~46		
	Heating	Ambient	Min. - Max.		°CDB		-15~24		
Refrigerant	Type/GWP						R-32/675.0		
	Charge				kg/TCO2Eq		0.76/0.52		1.15/0.780
Piping connections	Liquid/Gas	OD			mm		6.35/9.50		6/12.7
	Piping length	OU - IU	Max.		m		20		30
		System	Chargeless		m		10		
	Additional refrigerant charge				kg/m		0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.		m		15		20.0
Power supply	Phase/Frequency/Voltage				Hz/V		1~/50 /220-240		
Current - 50Hz	Maximum fuse amps (MFA)				A		13		16

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases | See separate drawings for electrical data

Concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Unified indoor unit range for R-32 and R-410A
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Low energy consumption thanks to DC fan motor



More details and final information can be found by scanning or clicking the QR codes.

FDXM-F9 RXM-R RXM-R9

Efficiency data				FDXM + RXM	25F9 + 25R	35F9 + 35R	50F9 + 50R	60F9 + 60R
Cooling capacity	Min./Nom./Max.			kW	1.30/2.40/3.00	1.40/3.40/3.80	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nom./Max.			kW	1.30/3.20/4.50	1.40/4.00/5.00	1.70/5.80/6.00	1.70/7.00/7.10
Space cooling	Energy efficiency class				A+	A	A+	A
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	Annual energy consumption			kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class				A+		A	
	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693

Indoor unit				FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable/washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53.0		55.0	56.0
	Heating			dBA	53.0		55.0	56.0
Sound pressure level	Cooling	Low/High		dBA	27.0/35.0		30.0/38.0	
	Heating	Low/High		dBA	27.0/35.0		30.0/38.0	
Control systems	Infrared remote control				-			

Outdoor unit				RXM	25R9	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350		34x954x401	
Weight	Unit			kg	32		49.0	
Sound power level	Cooling	Nom.		dBA	58	61	62.0	63.0
	Heating	Nom.		dBA	59	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0	
	Heating	Nom.		dBA	47	49	49.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~50 (1) / 46 (2)		-10 ~50 (4) / 46 (5)	
	Heating	Ambient	Min. - Max.	°CWB	-15~24			
Refrigerant	Type				R-32			
	GWP				675.0			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.780	
Piping connections	Liquid	OD		mm	6.35		6	
	Gas	OD		mm	9.50		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10			
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	13		16	

See separate drawing for electrical data | See separate drawing for operation range | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Contains fluorinated greenhouse gases



Multi Split Simply extend your comfort!

A Daikin multi split system offers you unexpected possibilities in creating a comfortable and cosy home. This is your solution to reduce limitations like environmental impact and financial aspects.

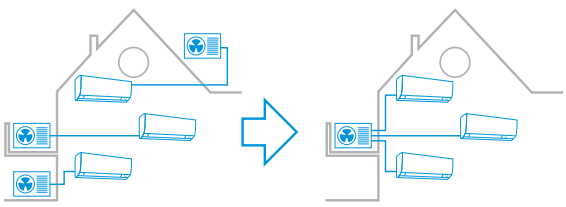
Less mounting space, less visibility, less sound

› **Save space**: Drastically reduce the space required for placing a number of units on your facade
› **Less visibility**: Enjoy your nice ambience. Finding just one hiding place is much easier
› **Less noise**: Only one unit in operation is much quieter than two or more units

Lower power consumption, high efficiency

› **Less power consumption**: Our big compressors can work more efficiently than various smaller ones with the same capacity in sum. Also save a significant proportion of energy thanks to standby mode

Pair split or multi split combination – the direct system comparison



Conventional pair split installation for air-conditioning three rooms

Solution for the same situation with only one multi split outdoor unit

Easier installation, wiring, piping and maintenance

› **Save mounting equipment**: Wherever you want to place an outdoor unit, for every unit you will need a mounting for a secure fixing and problem-free operation
› **Save time**: The physical installation, wiring, drain piping as well as the initial setup of only one system is much easier and faster
› When using only one outdoor unit instead of two or more, the statistical probability of a **possible technical defect is reduced** with every unit that you do not need.

More flexibility: Connect up to 5 indoor units of any style

There are many possibilities in comfort you can profit from a multi split solution:

› **Up to 5 indoor units** connectable to only one outdoor unit
› Every single indoor unit can be **regulated separately**
› Choose from **a greater variety** of connectable indoor unit types out of our split and Sky Air series
› Use low capacity indoor units specially **designed for small rooms** which can only be connected to a multi split system
› Are you planning an **additional indoor unit later on?** Just decide now for an outdoor unit with higher capacity and simply connect it later
› Have more than 5 rooms to connect? Our VRV systems provide the solution, find out more in the VRV chapter

Multi model application

- New design outlook for full range
- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 5 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



2MXM40-50A9 3MXM40A9



2MXM68A9 3MXM52-68A9
4MXM80A9 5MXM90A9

CONNECTABLE INDOOR UNITS	Wall mounted																					Concealed ceiling							Floor standing				Round flow			Fully flat				Ceiling suspended				Concealed floor standing			
	CTXA-AW/BS/BT/BB	FTXA-AW/BS/BT/BB						CTXM-R	FTXM-R							FTXJ-AW/S/B					FTXP-N			FDXM-F9				FBA-A9			CVXM-A9	FVXM-A9 NEW			FCAG-B			FFA-A9				FHA-A9				FNA-A9			
	15	20	25	35	42	50	15	20	25	35	42	50	60	71	20	25	35	42	50	20	25	35	25	35	50	60	35	50	60	20	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60
2MXM40A9	●	●	●	●			●	●	●	●					●	●	●			●	●	●	●	●							●	●	●														
2MXM50A9	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●						●	●	●	●				●	●	●							
2MXM68A9	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●			●	●	●	●	●	●	●	●	●	●
3MXM40A9	●	●	●	●			●	●	●	●					●	●	●			●	●	●	●	●			●				●	●	●	●				●	●			●	●		●	●		
3MXM52A9	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●			●	●			●	●	●	●	●			●	●	●		●	●		●	●	●	
3MXM68A9	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●
4MXM68A9	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●				●	●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●
4MXM80A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●
5MXM90A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●

It is not allowed to install 1 indoor unit connection.

More details and final information can be found by scanning or clicking the QR codes.

2MXM-A9 3MXM-A9 4MXM-A9 5MXM-A9

Outdoor unit					2MXM40A9	2MXM50A9	2MXM68A9	3MXM40A9	3MXM52A9	3MXM68A9	4MXM68A9	4MXM80A9	5MXM90A9
Dimensions	Unit	HeightxWidthxDepth		mm	552x852x350		734x974x408						
Weight	Unit			kg	36	41	60.0	57		62.0	63.0	67.0	68.0
Sound power level	Cooling				60		61.0	59.0		61.0			64.0
Sound pressure level	Cooling	Nom.		dBA	46	48		46		48			52
	Heating	Nom.		dBA	48	50	48	47		48	49		52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46								
	Heating	Ambient	Min.~Max.	°CWB	-15~18								
Refrigerant	Type				R-32								
	GWP				675.0								
	Charge			kg/TCO2Eq	0.88/0.60	1.15/0.78	2.00/1.35	1.80/1.22		2.00/1.35		2.40/1.62	
Piping connections	Liquid	OD		mm	6.4		6.35	6.4		6.35			
	Gas	OD		mm	9.5		9.50	9.5		9.50			
	Piping length	OU - IU	Max.	m	20 (1)		25 (1)						
		System	Chargeless	m	20		30						
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 20m)		0.02 (for piping length exceeding 30m)						
	Level difference	IU - OU	Max.	m	15.0								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-230-240		1~/50 /220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	16		20	16	20			25	32

(1)For one room | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases



Multi+

Only one system for
hot water +
air-to-air heat pump

Why choose Multi+?

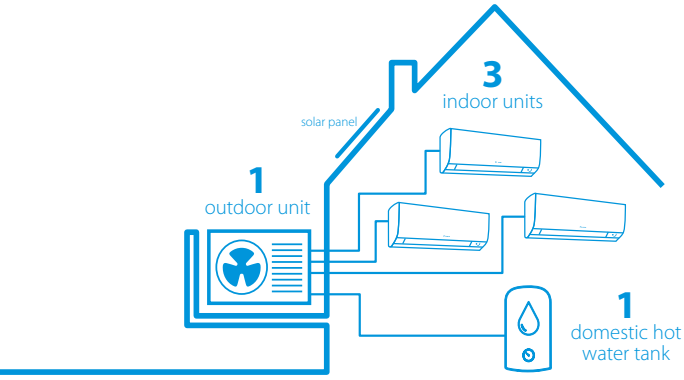
Your customer is considering to replace the existing heating system with electric heaters

Your customer's house:

- Around 80 m2 or less
- Located in southern Europe, in a single or multi family house
- Max 3 inhabitants

1 - Flexibility

› Connect Multi+ outdoor unit with up to 3 indoor units and a 90 l or 120 l tank to provide domestic hot water.
› Choose from a market-leading variety of indoor units. You can connect up to three different indoor units to cool or heat your rooms.



2 - Efficiency

› Replacing an old air conditioning system and electric hot water tank by Multi+ will give your customer a good return on investment



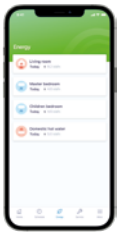
3 - Comfort



Benefit from high comfort and low expenses
Enjoy your preferred room temperature in up to three rooms at any time all year round. Daikin offers a variety of heat pumps with industry-leading comfort and air quality features.
The domestic hot water tank is available in two sizes and perfectly matches the Multi+ outdoor unit.Two different operating modes adapt precisely to your comfort needs.



A user-friendly control lets you configure the entire system exactly the way you want it.



The Onecta app enables scheduling, controlling and monitoring of each indoor unit and the domestic hot water tank – also via voice control.

NEW **HomeHub tank optimization by PV**
From summer 2023, tank optimisation will be possible between the tank and photovoltaic solar panels. For example, thanks to the HomeHub accessory EKRHH, the electric heater of the tank will be switched on if injection is higher than 1,2 kW. Therefore, during sunny days, hot water will always be available, while the house is cooled.



Make an accurate selection of your multi+ system in a few steps
see also p284

Multi+

Only one system for domestic hot water + air conditioning

- New design outlook for outdoor unit
- Seasonal efficiency values up to A+++ in cooling and A++ for air conditioning
- Domestic hot water efficiencies up to A
- Wall mounted domestic hot water tank, available in 90l and 120l
- Up to 3 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- The outdoor unit is fitted with a swing compressor, renowned for its low noise and high energy efficiency



4MWXM-A9 EKHWET-BV3

NOTE: please always install a pressure relief valve when installing a domestic hot water tank

CONNECTABLE INDOOR UNITS	Wall mounted																	Concealed ceiling							Floor standing				Round flow		Fully flat			Ceiling mounted		Concealed floor standing			Domestic hot water tank	
	C/FTXA-AW/BS/BT/BB						C/FTXM-R						FTXJ-AW/S/B					FDXM-F9			FBA-A9				CVXM-A9 NEW			FVXM-A9 NEW	FCAG-B		FFA-A9			FHA-A9		FNA-A9			EKHWET-BV3	
	15	20	25	35	42	50	15	20	25	35	42	50	20	25	35	42	50	25	35	50	35	50	60	71	20	25	35	50	35	50	25	35	50	35	50	25	35	50	90	120
4MWXM52A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●*	●*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

It is not allowed to install 1 indoor unit connection. Exception is 1 indoor unit connection of FBA60 or FBA71
* No combination with additional indoor units possible

More details and final information can be found by scanning or clicking the QR codes.

4MWXM-A9 EKHWET-BV3

Efficiency data					EKHWET90BV3 + 4MWXM52A9	EKHWET120BV3 + 4MWXM52A9
COPdhw	Average climate				2.19	2.30
	Warm climate				2.68	2.70
Heat-up time	Average climate			h:mm	1:18	2:15
	Warm climate			h:mm	1:53	3:35
Seasonal efficiency	Domestic hot water heating	General	Declared load profile		M	L
		Average climate	nwh (water heating efficiency)	%	90	94
Water heating energy efficiency class*					A	
Set point				°C	44	47

*EN16147(2017)

Domestic hot water tank		EKHWET	90BV3	120BV3
Casing	Colour		White	
Material			Enameled steel	
Dimensions	HeightxWidthxDepth	mm	1,032x536x571	1,296x536x571
Weight		kg	47	55
Tank	Water volume	l	89	118
	Energy efficiency class*		B	C
Operation range	Heating Ambient	Min.~Max. °C	-15~43	
	Water side	Min.~Max. °C	10~53	

* LOT 2

Outdoor unit				4MWXM	52A9
Dimensions	Unit	HeightxWidthxDepth	mm		734x974x401
Weight	Unit		kg		60
Sound power level	Cooling				59
Sound pressure level	Cooling	Nom./High	dBA		46
	Heating	Nom./High	dBA		47
Operation range	Cooling	Ambient Min.~Max.	°CDB		-10~46
	Heating	Ambient Min.~Max.	°CWB		-15~24
Refrigerant	Type				R-32
	GWP				675
	Charge		kg/TCO2Eq		2.20/1.49
Piping connections DX	Liquid	OD	mm		6.35
	Gas	OD	mm		9.50/12.7
Piping connections DHW	Liquid	OD	mm		6.35
	Gas	OD	mm		9.50
Piping length	OU - IU	Max.	m		25
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 30m)
Level difference	IU - OU	Max.	m		15
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50 /220-240
Current - 50Hz	Maximum fuse amps (MFA)		A		20

Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 3 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



2MXF40-50A



3MXF52-68A9

Indoor units		CTXF20C	CTXF25C	CTXF35C
Outdoor units	2MXF40A	•	•	•
	2MXF50A	•	•	•
	3MXF52A9	•	•	•
	3MXF68A9	•	•	•

More details and final information can be found by scanning or clicking the QR codes.

2MXF-A

3MXF-A9

Outdoor Unit					2MXF40A	2MXF50A	3MXF52A9	3MXF68A9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x958x340	
Weight	Unit			kg	36	41	57.0	62.0
Sound power level	Cooling				60		59	61
Sound pressure level	Cooling	Nom./High		dBA	-/46	-/48	46.0/-	48.0/-
	Heating	Nom./High		dBA	-/48	-/50	47.0/-	48.0/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg/TCO2Eq	0.88/0.60	1.15/0.78	1.80/1.22	2.00/1.35
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5			
	Piping length	OU - IU	Max.	m	20 (1)		25 (1)	
		System	Chargeless	m	20		30	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 20m)		0.02 (for piping length exceeding 30m)	
	Level difference	IU - OU	Max.	m	15.0			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-230-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	16			20

(1)For one room | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases

BLUEVOLUTION

Daikin Altherma hybrid heat pump

Hybrid technology combining gas, air to water and air to air heat pump for heating, cooling and hot water

- Daikin Altherma hybrid heat pump combines air-to-water heat pump technology with gas condensing technology
- Heating only wall mounted indoor unit of air-to-water heat pump
- Wall mounted gas module
- Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma hybrid heat pump always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80°C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32kW
- Easy and fast installation thanks to the compact dimensions and quick interconnections



CHYHBH-AV32 / EHYKOMB-AA2/3

CONNECTABLE INDOOR UNITS	Wall mounted																						Concealed ceiling							Floor standing		Round flow		Fully flat				Ceiling suspended			Concealed floor standing				Hybrid heat pump	
	CTXA-AW/BS/BT/BB	FTXA-AW/BS/BT/BB					CTXM-R	FTXM-R						FTXJ-AW/S/B					FTXP-N				FDXM-F9				FBA-A9			CVXM-A9	FVXM-A9 NEW	FCAG-B		FFA-A9				FHA-A9			FNA-A9				CHYHBH-AV32	
	15	20	25	35	42	50	15	20	25	35	42	50	60	71	20	25	35	42	50	20	25	35	25	35	50	60	35	50	60	20	25	35	50	35	50	60	20	25	35	50	60	35	50	60	25	35	50	60	35	50	60	25	35	50	60	05	08
3MXM52A9	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●						●	●	●	●	●	●		●	●	●		●	
3MXM68A9	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4MXM68A9	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4MXM80A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXM90A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

It is not allowed to install 1 indoor unit connection.

More details and final information can be found by scanning or clicking the QR codes.

CHYHBH-AV32 EHYKOMB-AA2 EHYKOMB-AA3

Efficiency data					CHYHBH05AV32 /3MXM52A9	CHYHBH05AV32 /3MXM68A9	CHYHBH05AV32 /4MXM68A9	CHYHBH05AV32 /4MXM80A9	CHYHBH08AV32 /4MXM80A9	CHYHBH05AV32 /5MXM90A9	CHYHBH08AV32 /5MXM590A9
Heating capacity	Nom.			kW	4.41 (1)	4.50 (1)			6.78 (1)	4.50 (1)	6.78 (1)
COP					4.49 (1)	3.91 (1)		4.04 (1)	4.17 (1)	4.04 (1)	4.17 (1)
Pump					51.80 (1)						
Seasonal efficiency	Domestic hot water heating	General	Declared load profile		XL						
		Average climate	ηwh (water heating efficiency)	%	96						
Water heating energy efficiency class					A						

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C), boiler bypassed

Indoor Unit (Hydrobox)					CHYHBH05AV32	CHYHBH08AV32
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	902x450x164	
Weight	Unit			kg	30.0	
Operation range	Heating	Ambient	Min.~Max.	°C	-15 ~24	
		Water side	Min.~Max.	°C	25 ~50	

Indoor unit (Boiler)					EHYKOMB33AA2/AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	6.2 / 7.6 / 7.6 /22.1 / 27.0 / 27.0
	Output Pn at 80/60°C	Min/Nom		kW	6.7 / 8.2 / 8.2 /21.8 / 26.6 / 26.6
	Efficiency	Net calorific value		%	98 / 107
	Operation range	Min/Max		°C	15 /80
Domestic hot water	Output	Min/Nom		kW	7.6/32.7
	Water flow	Rate	Nom	l/min	9.0 / 15.0
	Operation range	Min/Max		°C	40/65
Gas	Connection	Diameter		mm	15
	Consumption (G20)	Min/Max		m^3/h	0.78/3.39
	Consumption (G25)	Min/Max		m^3/h	0.90/3.93
	Consumption (G31)	Min/Max		m^3/h	0.30/1.29
Supply air	Connection			mm	100
	Concentric				1
Flue gas	Connection			mm	60
Casing	Colour				White - RAL9010
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	710x450x240
Weight	Unit	Empty		kg	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230
Electrical power consumption	Max.			W	55
	Standby			W	2



Siesta
wall mounted units

The Siesta range offers a wide variety of wall mounted units with high efficiency values up to A+++. They provide excellent levels of comfort, and almost all indoor units are connectable to a multi outdoor unit.



BLUEVOLUTION

Siesta Bluevolution range

R-32

Type	Model	Product name		20	25	35	50	60	71
Siesta Wall mounted	Wall mounted unit Siesta, discreet, modern unit for optimal efficiency and comfort thanks to 2-area motion detection sensor and Flash Streamer	ATXM-R		● (multi only)	A+++	A+++	A++		
	Wall mounted unit Siesta, providing high efficiency and comfort while reducing the environmental impact	ATXP-N		A++	A++	A++			
	Siesta wall mounted unit Wall mounted unit for low energy consumption and pleasant comfort	ATXF-D/A		A++	A++	A++	A++	A++	A
	Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-D		A++	A++	A++	A++	A++	A

Wall mounted unit

Attractive, wall mounted Siesta unit with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Quiet operation: down to 19dBA sound pressure level
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- 2-area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting. (larger capacity area)



More details and final information can be found by scanning or clicking the QR codes.

ATXM-R ARXM-R ARXM-R9

Efficiency data				ATXM + ARXM	20R + 20R	25R + 25R9	35R + 35R9	50R + 50R
Cooling capacity	Min./Nom./Max.			kW	multi combinations only	1.30/2.50/3.20	1.40/3.40/4.00	1.70/5.00/6.00
Heating capacity	Min./Nom./Max.			kW		1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.80/7.70
Power input	Cooling		Nom.	kW		0.56	0.80	1.45
	Heating		Nom.	kW		0.56	0.99	1.53
Space cooling	Energy efficiency class					A+++		A++
	Capacity		Pdesign	kW		2.50	3.40	5.00
	SEER					8.55		7.35
	Annual energy consumption			kWh/a		102	139	238
Space heating (Average climate)	Energy efficiency class					A+++		A++
	Capacity		Pdesign	kW		2.40	2.50	4.60
	SCOP/A					5.10		4.65
	Annual energy consumption			kWh/a		659	686	1,384
Nominal efficiency	EER					4.50	4.23	3.45
	COP					5.00	4.04	3.79
	Annual energy consumption			kWh		278	402	725
	Energy labeling Directive			Cooling/Heating			A/A	

Indoor unit				ATXM	20R	25R	35R	50R
Dimensions	Unit	HeightxWidthxDepth		mm	295x778x272			299x998x292
Weight	Unit			kg	10.0			14.5
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.3/5.7/7.5/10.5	4.1/5.7/7.6/10.5	4.2/6.0/7.8/11.3	8.3/11.4/14/15.8
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.1/6.2/8.2.9.3	4.9/6.3/8.0/9.8	4.9/6.5/8.5/9.8	10.5/12.0/14.2/15.8
Sound power level	Cooling			dBA	58			58.0
	Heating			dBA	55			58.0
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/41		19/25/45	27.0/36.0/44.0
	Heating	Silent operation/Low/High		dBA	20/26/39	20/27/39	20/28/39	31.0/34.0/43.0
Control systems	Infrared remote control				ARC466A67			

Outdoor unit				ARXM/ARXM	20R	25R9	35R9	50R
Dimensions	Unit	HeightxWidthxDepth		mm	multi combinations only	552x840x350		734x954x401
Weight	Unit			kg		32		49.0
Sound power level	Cooling	Nom.		dBA		58.0	61.0	62.0
	Heating	Nom.		dBA		59.0	61.0	62.0
Sound pressure level	Cooling	Nom.		dBA		46.0	49.0	48.0
	Heating	Nom.		dBA		47.0	49.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~50(1)/46(2)		-10(3)/-10(4)~50(3)/46(4)
	Heating	Ambient	Min. - Max.	°CDB		-20(1)/-15(2)-24		-20(3)/-15(4)-24(3)/24(4)
Refrigerant	Type/GWP					R-32/675.0		
	Charge			kg/TCO2Eq		0.76/0.52		1.15/0.780
Piping connections	Liquid/ Gas OD			mm		6.35/9.50		6.35/12.7
	Piping length	OU - IU	Max.	m		20		30
		System	Chargeless	m		10		-
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m		15		20.0
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A		13		16

(1)Only possible in combination with ATXM*N2V1B, FTXM*N2V1B, ATXM*R2V1B, ATXM*R5V1B, FTXM*R2V1B, FTXM*R5V1B | (2)Only possible in combination with ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9,FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A2V1B | (3)Only possible in combination with CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B | (4)Only possible in combination with CTXM*M2V1B, ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9,FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB· | See separate drawing for operation range | See separate drawing for electrical data | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases

Siesta

BLUEVOLUTION

Wall mounted unit

Discreet Siesta wall mounted unit providing high efficiency and comfort

- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A++ in cooling and heating
- Space saving contemporary wall mounted design



ATXP20-35N

ARXP25-35N

ARC480A11

integrated

More details and final information can be found by scanning or clicking the QR codes.

ATXP-N

ARXP-N

Efficiency data				ATXP + ARXP	20N + 20N	25N + 25N	35N + 35N
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.50/4.0
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/3.00/4.00	1.30/4.00/4.80
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.50/0.72	0.31/0.66/0.72	0.29/1.01/1.30
	Heating		Min./Nom./Max.	kW	0.25/0.52/0.95	0.25/0.69/0.95	0.29/1.00/1.29
Space cooling	Energy efficiency class					A++	
	Capacity		Pdesign	kW	2.00	2.50	3.50
	SEER					6.90	
	Annual energy consumption			kWh/a	101	127	178
Space heating (Average climate)	Energy efficiency class					A++	
	Capacity		Pdesign	kW	2.20	2.40	2.80
	SCOP/A				4.64	4.60	4.62
	Annual energy consumption			kWh/a	663	730	847
Nominal efficiency	EER				3.71		3.24
	COP				4.77	4.36	4.02
	Energy labeling Directive		Cooling/Heating			A/A	

Indoor unit				ATXP	20N	25N	35N
Dimensions	Unit	HeightxWidthxDepth		mm		286x770x225	
Weight	Unit			kg	8.50		9.00
Air filter	Type					Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.2/5.6/7.4/9.5	4.2/5.8/7.7/9.7	4.5/6.3/8.3/11.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.2/6.2/8.1/10.4	5.2/6.4/8.1/10.4	5.3/7.0/9.0/11.5
Sound power level	Cooling			dBA	55		58
	Heating			dBA	55		58
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39	19/26/40	20/27/43
	Heating	Silent operation/Low/High		dBA	21/28/39	21/28/40	21/29/40
Control systems	Infrared remote control					ARC480A53	

Outdoor unit				ARXP	20N	25N	35N
Dimensions	Unit	HeightxWidthxDepth		mm		556x740x343	
Weight	Unit			kg		26	
Sound power level	Cooling			dBA	60		62
Sound pressure level	Cooling	High		dBA	46		48
	Heating	High		dBA	47		48
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~48	
	Heating	Ambient	Min.~Max.	°CWB		-20~18	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq	0.55/0.37		0.70/0.48
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm		9.5	
	Piping length	OU - IU	Max.	m		15	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m		12	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		16	

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for electrical data | See separate drawing for operation range | Contains fluorinated greenhouse gases

Siesta

BLUEVOLUTION

Wall mounted unit

Siesta wall mounted unit for low energy consumption and pleasant comfort

- Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Quiet in operation down to 20 dBA
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



ATXF-E

ARXF20-35E

ARC470A1

BRP069C47

More details and final information can be found by scanning or clicking the QR codes.

ATXF-E ATXF-A ARXF-E ARXF-A

Efficiency data				ATXF + ARXF	20E + 20E	25E + 25E	35E + 35E	42E + 42E	50A + 50A	60A + 60A	71A + 71A
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.4	1.3/2.50/2.8	1.3/3.30/3.8	1.4/4.20/4.3	1.70/5.00/6.00	1.70/6.00/7.00	2.30/7.10/7.30
Heating capacity	Min./Nom./Max.			kW	1.30/2.40/3.30	1.30/2.80/3.70	1.30/3.50/4.40	1.40/4.60/5.00	1.70/6.00/7.70	1.70/6.40/8.00	2.30/8.20/9.00
Power input	Cooling	Min./Nom./Max.		kW	0.31/0.601/0.72	0.31/0.772/1.05	0.31/1.01/1.40	0.31/1.28/1.50	-/1.52/-	-/1.85/-	-/2.81/-
	Heating	Min./Nom./Max.		kW	0.25/0.640/0.95	0.25/0.751/1.11	0.25/0.940/1.50	0.25/1.24/1.40	-/1.62/-	-/1.64/-	-/2.63/-
Space cooling	Energy efficiency class						A++				A
	Capacity	Pdesign		kW	2.00	2.50	3.50	4.20	5.00	6.00	7.10
	SEER					6.40		6.45	6.18	6.12	5.12
	Annual energy consumption			kWh/a	109	137	191	228	283	343	486
Space heating (Average climate)	Energy efficiency class						A+				A
	Capacity	Pdesign		kW	2.20	2.40	2.60	3.30	4.60	4.80	6.20
	SCOP/A				4.16	4.10		4.25	4.03		3.81
	Annual energy consumption			kWh/a	740	819	889	1,088	1,598	1,670	2,278

Indoor unit				ATXF	20E	25E	35E	42E	50A	60A	71A
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225				295x990x263		
Weight	Unit			kg	8.00		8.50	9.00	13.5		
Air filter	Type				Removable/washable						
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.3/6.0/8/9.8	4.3/6.2/8/10.0	4.4/6.4/8/11.5	4.9/6.9/9/12.6	10.5/11.9/14.4/16.8	10.7/12.2/14.8/17.3	
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.2/8.3/10.4	5.3/6.4/8.4/10.4	5.3/6.5/8.6/11.9	5.2/6.7/8.8/12.8	10.7/12.2/14.8/17.3	11.3/12.8/15.8/17.9	
Sound power level	Cooling			dBA	53.0	54.0		59.0	59	60	62
	Heating			dBA	55.0		56.0	59.0	61	62	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20.0/25.0/39.0	20.0/26.0/40.0	20.0/27.0/43.0	22.0/30.0/45.0	31/34/43	33/36/45	34/37/46
	Heating	Silent operation/Low/High		dBA	21.0/28.0/39.0	21.0/28.0/40.0	21.0/29.0/40.0	22.0/28.0/44.0	30/33/42	32/35/44	33/36/45
Control systems	Infrared remote control				ARC470A1						
	Wired remote control				BRC073A1						
Piping connections	Drain				18						

Outdoor unit				ARXF	20E	25E	35E	42E	50A	60A	71A
Dimensions	Unit	HeightxWidthxDepth		mm	556x740x343				734x870x373		
Weight	Unit			kg	24.0			28.0	46.0	50.0	
Sound power level	Cooling				60		61		-		
Sound pressure level	Cooling	Low/Nom./High		dBA	-/-/46.0		-/-/48		-/47/-	-/49/-	-/52/-
	Heating	Low/Nom./High		dBA	-/-/47.0		-/-/48.0		-/49/-		-/52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~48				-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18						
Refrigerant	Type				R-32						
	GWP				675.0				675		
	Charge			kg/TCO2Eq	0.450/0.280		0.550/0.370	0.750/0.510	0.90/0.61	1.15/0.78	
Piping connections	Liquid - Gas	Type			- - -						
	Piping length	OU - IU	Max.	m	20				30		
	Piping length				-						
	Level difference	IU - OU	Max.	m	12.0				20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	16				-		
Sound pressure level	Nom.			dBA	-						
Piping connections	Total piping length				-						

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases

Wall mounted unit

Wall mounted unit, offering good value for money

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- Seasonal efficiency values up to A++ in cooling
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



ATXC-D



ARXC-D



ARC486A2



BRP069B45

More details and final information can be found by scanning or clicking the QR codes.

ATXC-D

ARXC-D

Efficiency data				ATXC + ARXC	20D + 20D	25D + 25D	35D + 35D	50D + 50D	60D + 60D	71D + 71D
Cooling capacity	Min./Max.			kW	1.3/3.0		1.3/4.0	1.4/6.2	1.8/7.0	2.3/7.3
Heating capacity	Min./Max.			kW	1.30/4.00		1.30/4.80	1.36/6.60	1.48/8.00	2.30/9.00
Power input	Cooling		Min./Nom./Max.	kW	0.30/0.600/1.15	0.30/0.775/1.15	0.32/1.06/1.74	0.30/1.57/2.11	0.38/1.92/2.05	0.44/2.41/2.54
	Heating		Min./Nom./Max.	kW	0.28/0.670/1.35	0.28/0.755/1.35	0.28/1.08/1.57	0.27/1.52/1.85	0.33/1.73/2.35	0.50/2.49/2.74
Space cooling	Energy efficiency class						A++			A
	Capacity		Pdesign	kW	2.08	2.57	3.44	5.08	6.21	6.96
	SEER				6.81	6.74	6.78	6.40	6.38	5.25
	Annual energy consumption			kWh/a	107	134	177	278	341	464
Space heating (Average climate)	Energy efficiency class						A+			A
	Capacity		Pdesign	kW	1.87	2.23	2.24	3.90	4.10	6.35
	SCOP/A				4.39	4.41	4.26	4.37	4.19	3.81
	Annual energy consumption			kWh/a	597	708	737	1,249	1,371	2,332
Nominal efficiency	EER					3.33		3.25		2.95
	COP				3.73	3.76	3.72	3.71	3.71	3.21
	Energy labeling Directive		Cooling/Heating				A/A			C/C
Current - 50Hz	Maximum fuse amps (MFA)			A			16			

Indoor unit				ATXC	20D	25D	35D	50D	60D	71D
Dimensions	Unit	HeightxWidthxDepth		mm			288x770x234		297x990x273	
Weight	Unit			kg	9.00		9.50		13.0	
Air filter	Type						Removable / washable			
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	5.4/6.1/8.1/10.8		5.4/6.4/8.7/11.1	7.4/8.1/9.9/12.5	10.2/12.5/14.5/20.4	
Sound power level	Cooling			dBA	57		58	60	63	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/26/40		22/26/41	30/33/47	31/38/48	
Control systems	Infrared remote control						ARC486A2			
	Wired remote control						-			

Outdoor unit				ARXC	20D	25D	35D	50D	60D	71D
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x273			615x845x300		695x930x350
Weight	Unit			kg	24.0		26.0	39.0		45.0
Sound power level	Cooling			dBA	58		60	65	66	69
Sound pressure level	Cooling	High		dBA	45		46	51	54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10 ~46			-10 ~46		
	Heating	Ambient	Min.~Max.	°CWB	-15 ~18					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	0.550/0.371		0.750/0.506	1.00/0.675	1.10/0.743	1.15/0.776
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.52			12.7		
	Piping length	OU - IU	Max.	m	20			30		
		System	Chargeless	m	8					
	Additional refrigerant charge			kg/m	0,017 (for piping length exceeding 7.5m)					
	Level difference IU - OU		Max.	m	15.0			20.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					

Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 3 indoor units can be connected to 1 siesta multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Different types of wall mounted indoor units can be connected
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



2AMXM40-50M9

Indoor units		ATXM20R	ATXM25R	ATXM35R	ATXM50R
Outdoor units	2AMXM40M9	•	•	•	•
	2AMXM50M9	•	•	•	•
	3AMXM52N9	•	•	•	•

More details and final information can be found by scanning or clicking the QR codes.

2AMXM-M9 3AMXM-N9

Indoor Unit				2AMXM/3AMXM	2AMXM40M9	2AMXM50M9	3AMXM52N9
Dimensions	Unit	HeightxWidthxDepth		mm	552x852x350		734x974x401
Weight	Unit			kg	36	41	57.0
Sound power level	Cooling	Nom.		dBA	60		-
	Heating	Nom.		dBA	62		-
	Cooling			dBA	-		59.0
	Heating			dBA	-		59.0
Sound pressure level	Cooling	Nom./High		dBA	-/46	-/48	46.0/-
	Heating	Nom./High		dBA	-/48	-/50	47.0/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	GWP				675		675.0
	Charge			kg/TCO2Eq	0.88/0.60	1.15/0.78	1.80/1.22
Piping connections	Liquid	OD		mm	6.4		6.35
	Gas	OD		mm	9.5		9.50
	Piping length	OU - IU	Max.	m	20 (1)		25 (1)
		System	Chargeless	m	20		30
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 20m)		0.02 (for piping length exceeding 30m)
	Level difference	IU - OU	Max.	m	15.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-230-240		1~/50 /220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16		20

(1)For one room | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases

Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 3 indoor units can be connected to 1 siesta multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
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- Different types of wall mounted indoor units can be connected
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



2AMXF-A

Indoor units		ATXF25A	ATXF35A
Outdoor units	2AMXF40A	•	•
	2AMXF50A	•	•
	3AMXF52A9	•	•

More details and final information can be found by scanning or clicking the QR codes.

2AMXF-A

3AMXF-A9

Indoor Unit				2AMXF/3AMXF	2AMXF40A	2AMXF50A	3AMXF52A
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x958x340
Weight	Unit			kg	36	41	57.0
Sound power level	Cooling	Nom.		dBA	60		59
Sound pressure level	Cooling	Nom./High		dBA	-/46	-/48	46.0 /-
	Heating	Nom./High		dBA	-/48	-/50	47.0 /-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg/TCO2Eq	0.88 /0.60	1.15 /0.78	1.80 /1.22
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.50		
	Piping length	OU - IU	Max.	m	20.0		25 (1)
		System	Chargeless	m	20		30
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 20m)		0.02 (for piping length exceeding 30m)
	Level difference	IU - OU	Max.	m	15.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-230-240		1~/50 /220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16		20

(1)For one room | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases

MAKE YOUR BED
NOT THAT KIND OF GIRL
Life in Pictures



Designed for living: solutions for even the coldest regions

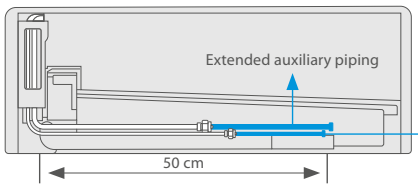
Designed for colder climates, Optimised Heating 4 creates a comfortable interior environment while maintaining excellent energy efficiency ratings.

Reliability

To guarantee the seamless operation of your heating system, even in temperatures as low as -25°C, the Optimised Heating 4 range offers enhanced features.

Easy Installation: long piping

The Daikin Optimised 4 offers a quick and easy installation process, which includes extended piping: This longer piping is specifically adapted to accommodate the thicker walls of Scandinavian buildings, and help contractors cut down on installation time.



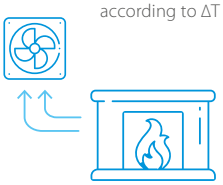
Stylish FTXTA30	+180mm
Perfera FTXTM30	+180mm
Perfera FTXTM40	+160mm
Comfora FTXTP25-35	+180mm

The fireplace scenario

Stylish FTXTA and Perfera FTXTM are flexible and easy to adapt for any room, including spaces that contain additional heat sources, such as a fireplace.

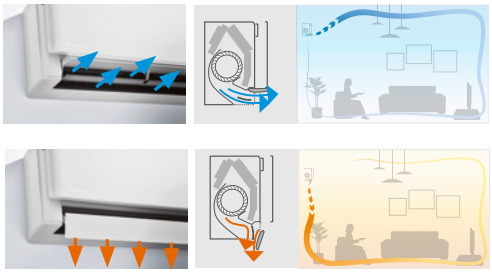
› If the temperature in the room reaches the desired point set by user, the operation FIREPLACE LOGIC (if activated) will start automatically.
› The unit will distribute hot air from the external source across the room using the unit's fan.
› The fan speed and the intensity of distribution depends on difference between temperature set by user and actual temperature in the room (in case of big difference between these temperatures the air distribution will be more intensive)

Measured temperature in the room ≥ set temperature = Thermo off Fan auto adjust according to ΔT



The Coanda effect

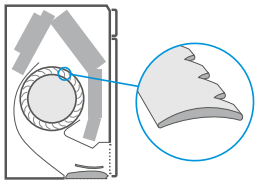
The **Coanda effect** optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



(available in heating and cooling for Stylish FTXTA-BW/BB)

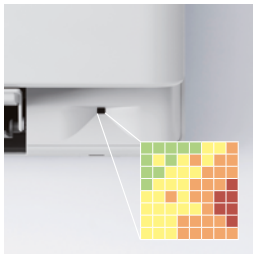
Quiet operation

Stylish uses a **specially designed fan** to optimise airflow for higher energy efficiency at low sound levels. Sound dispersion and noise reduction are the results of a special fan design.



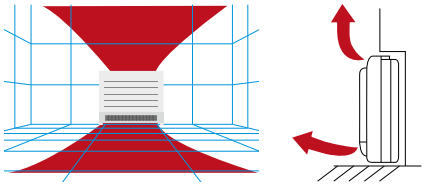
Intelligent thermal sensor

Stylish uses an Intelligent thermal sensor to detect the surface temperature of a room to create a more comfortable climate. After determining the current room temperature, the grid eye sensor distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.



Dual Airflow

Our floor standing FVXM is ideal for heating comfort thanks to its dual airflow. Wide air flow coverage in both upward and downward directions allowing even air distribution.



During heating operating, your feet stay warm and the temperature through the room is evenly distributed. Maximum comfort will be ensured.

Bluevolution Range

BLUEVOLUTION

Type	Model	Product Name	25	30	35	40
Wall mounted	Stylish: Where innovation meets creativity, even at ambient temperatures down to -25°C	FTXTA-BW/BB		A+++* (pair only)		
Wall mounted	Perfera: Discreet, modern design for optimal efficiency and comfort thanks to 2- area motion detector sensor	FTXTM-R		A+++* (pair only)		A+++* (pair only)
Wall mounted	Comfora: Wall mounted unit, providing high efficiency and comfort while reducing the environmental impact	FTXTP-M	A+++* (pair only)		A+++* (pair only)	
Floor Standing Unit	Design floor standing unit for optimal heating comfort thanks to unique heating features	FVXM-A	A+++* (pair only)		A++* (pair only)	
Wall mounted	Wall mounted unit Siesta: providing high efficiency and comfort while reducing the environmental impact	ATXTP-M	A+++* (pair only)		A+++* (pair only)	

* Space heating - average climate

stylish

BLUEVOLUTION

Wall mounted unit

Where innovation meets creativity, even at ambient temperatures down to -25°C

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- A compact and functional design suitable for all interiors in a matt black and crystal white finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)



More details and final information can be found by scanning or clicking the QR codes.

FTXTA-BW FTXTA-BB RXTA-B

Efficiency data				**FTXTA + RXTA**	**30BB/BW + 30B**
Cooling capacity	Min./Nom./Max.			kW	0.70/3.00/4.50
Heating capacity	Min./Nom./Max.			kW	0.80/3.20/6.90
Power input	Cooling		Nom.	kW	0.71
	Heating		Nom.	kW	0.66
Space cooling	Energy efficiency class				A++
	Capacity		Pdesign	kW	3.00
	SEER				7.63
	Annual energy consumption			kWh/a	138
Space heating (Average climate)	Energy efficiency class				A+++
	Capacity		Pdesign	kW	2.60
	SCOP/A				5.10
	Annual energy consumption			kWh/a	714
Space heating (Cold climate)	Energy efficiency class				A+
	Capacity		Pdesignh	kW	3.80
	Annual energy consumption			kWh/a	1,946
	SCOP/C				4.10
Nominal efficiency	EER				4.20
	COP				4.87
	Annual energy consumption			kWh	357
	Energy labeling Directive		Cooling/Heating		A/A

Indoor unit				**FTXTA**	**30BB/BW**
Dimensions	Unit	HeightxWidthxDepth		mm	295x798x189
Weight	Unit			kg	11.5
Air filter	Type				Removable/washable
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.6/5.7/8.3/11.9
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.1/6.0/8.0/11.5
Sound power level	Cooling			dBA	60
	Heating			dBA	60
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20/25/43
	Heating	Silent operation/Low/High		dBA	19/24/41
Control systems	Infrared remote control				ARC466A59

Outdoor unit				**RXTA**	**30B**
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312
Weight	Unit			kg	38
Sound power level	Cooling	Nom.		dBA	61.0
	Heating	Nom.		dBA	61.0
Sound pressure level	Cooling	Nom.		dBA	48
	Heating	Nom.		dBA	49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~18
Refrigerant	Type/GWP				R-32/675
	Charge			kg/TCO2Eq	1.1/0.75
Piping connections	Liquid/Gas OD			mm	6.35/9.50
	Piping length	OU - IU	Max.	m	20
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)
	Level difference	IU - OU	Max.	m	15
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for electrical data | See separate drawing for operation range | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases

perfera

BLUEVOLUTION

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality down to -25°C

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- Seasonal efficiency values up to A+++ in cooling and heating
- When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



- Quiet operation: down to 19dBA sound pressure level
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

More details and final information can be found by scanning or clicking the QR codes. FTXTM-R RXTM-R

Efficiency data				**FTXTM + RXTM**	**30R + 30R**	**40R + 40R**
Cooling capacity	Min./Nom./Max.			kW	0.70/3.00/4.50	0.90/4.00/5.10
Heating capacity	Min./Nom./Max.			kW	0.80/3.20/6.70	1.20/4.00/7.20
Power input	Cooling		Nom.	kW	0.73	1.08
	Heating		Nom.	kW	0.60	0.74
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	3.00	4.00
	SEER				7.60	7.70
	Annual energy consumption			kWh/a	138	182
Space heating (Average climate)	Energy efficiency class				A+++	
	Capacity		Pdesign	kW	3.00	3.80
	SCOP/A				5.12	5.30
	Annual energy consumption			kWh/a	821	1,003
Space heating (Cold climate)	Energy efficiency class				A+	
	Capacity		Pdesignh	kW	4.38	5.55
	Annual energy consumption			kWh/a	2,276	2,803
	SCOP/C				4.04	4.16
Nominal efficiency	EER				4.10	3.71
	COP				5.34	5.37
	Annual energy consumption			kWh	366	539
	Energy labeling Directive		Cooling/Heating		A/A	

Indoor unit				**FTXTM**	**30R**	**40R**
Dimensions	Unit	HeightxWidthxDepth		mm	295x778x272	299x998x292
Weight	Unit			kg	10.0	14.5
Air filter	Type				Removable/washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.1/5.3/7.8/12.2	4.6/5.8/9.5/15.4
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.0/4.9/7.5/12.5	5.9/7.1/10.5/17.5
Sound power level	Cooling			dBA	60.0	
	Heating			dBA	61.0	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21.0/25.0/45.0	20.0/24.0/46.0
	Heating	Silent operation/Low/High		dBA	19.0/22.0/45.0	19.0/22.0/46.0
Control systems	Infrared remote control				ARC466A75	

Outdoor unit				**RXTM**	**30R**	**40R**
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling	Nom.		dBA	61.0	
	Heating	Nom.		dBA	61.0	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type/GWP				R-32/675	
	Charge			kg/TCO2Eq	1.1/0.74	
Piping connections	Liquid/Gas	OD		mm	6.35/9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

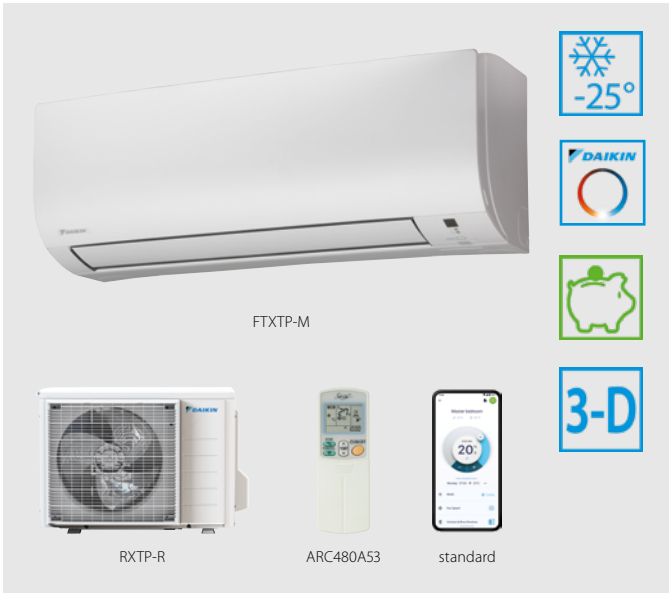
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | See separate drawings for electrical data | Contains fluorinated greenhouse gases

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Wall mounted unit

Wall mounted unit providing high efficiency and comfort down to -25°C

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Seasonal efficiency values: full range A++ in cooling and heating
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Space saving contemporary wall mounted design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



More details and final information can be found by scanning or clicking the QR codes. FTXTP-M RXTP-R

Efficiency data				FTXTP + RXTP	25M + 25R	35M + 35R
Cooling capacity	Min./Nom./Max.			kW	0.80/2.50/4.00	0.80/3.50/4.40
Heating capacity	Min./Nom./Max.			kW	1.20/3.20/6.20	1.20/4.00/6.70
Power input	Cooling		Nom.	kW	0.57	0.92
	Heating		Nom.	kW	0.65	0.90
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.50
	SEER				7.10	7.20
	Annual energy consumption			kWh/a	123	170
Space heating (Average climate)	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.00
	SCOP/A				4.93	4.81
	Annual energy consumption			kWh/a	710	873
Space heating (Cold climate)	Energy efficiency class				A	
	Capacity		Pdesignh	kW	3.65	4.38
	Annual energy consumption			kWh/a	1,941	2,394
	SCOP/C				3.95	3.84
Nominal efficiency	EER				4.40	3.80
	COP				4.95	4.44
	Annual energy consumption			kWh	284	461
	Energy labeling Directive		Cooling/Heating		A/A	

Indoor unit				FTXTP	25M	35M
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225	
Weight	Unit			kg	9.00	
Air filter	Type				Removable/washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	3.9/5.5/8.3/11.5	
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.5/5.6/8.7/11.5	
Sound power level	Cooling			dBA	58	
	Heating			dBA	58	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/26/43	
	Heating	Silent operation/Low/High		dBA	21/26/43	
Control systems	Infrared remote control				ARC480A53	

Outdoor unit				RXTP	25R	35R
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling	Nom.		dBA	61.0	
	Heating	Nom.		dBA	61.0	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/0.75	
Piping connections	Liquid	OD		mm	6.35	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m (horizontal) | Contains fluorinated greenhouse gases

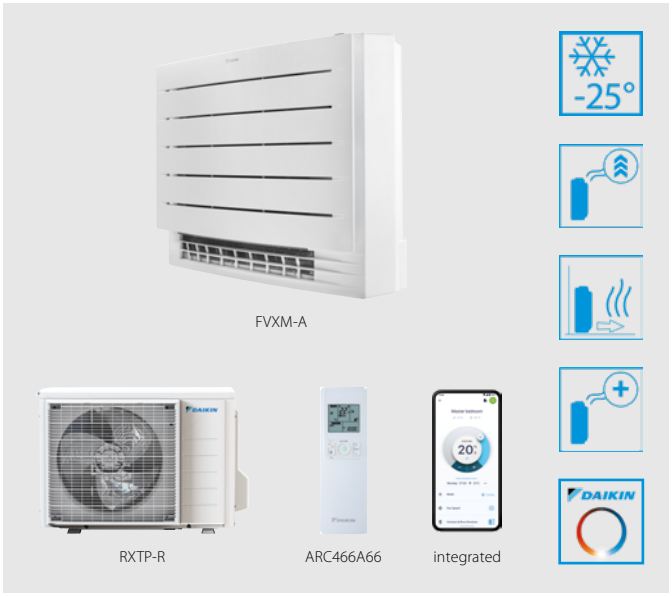
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BLUEVOLUTION

Floor standing unit

Design floor standing unit for optimal heating comfort thanks to unique heating features

- Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
- Excellent contemporary design
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- The floor warming function optimises convection by distributing hot air from the bottom of the unit
- The heat plus function provides 30 minutes cosy heating by simulating radiant heat
- Dual air discharge flow for better air distribution
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Quiet operation: down to 19dBA sound pressure level
- Combinable with 2 and 3 port multi outdoor units (except 2-3MXM68)



More details and final information can be found by scanning or clicking the QR codes. FVXM-A RXTP-R

Efficiency data				FVXM + RXTP	25A + 25R	35A + 35R
Cooling capacity	Min./Nom./Max.			kW	1.40/2.50/4.20	1.40/3.50/4.30
Heating capacity	Min./Nom./Max.			kW	1.20/3.20/5.70	1.20/4.00/6.20
Power input	Cooling		Nom.	kW	0.66	1.02
	Heating		Nom.	kW	0.83	1.13
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.50
	SEER				6.50	6.10
	Annual energy consumption			kWh/a	135	201
Space heating (Average climate)	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.00
	SCOP/A				4.70	4.60
	Annual energy consumption			kWh/a	744	913
Space heating (Cold climate)	Energy efficiency class				A	
	Capacity		Pdesignh	kW	3.65	4.38
	Annual energy consumption			kWh/a	2,032	2,573
	SCOP/C				3.77	3.58
Nominal efficiency	EER				3.81	3.43
	COP				3.86	3.54
	Annual energy consumption			kWh	328	510
	Energy labeling Directive		Cooling/Heating		A/A	A/B

Indoor unit				FVXM	25A	35A
Dimensions	Unit	HeightxWidthxDepth		mm	600x750x238	
Weight	Unit			kg	17	
Air filter	Type				Removable/washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.1/4.9/7/8.7	4.1/4.9/7/9.2
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.1/5.6/7.2/9.2	4.1/5.6/7.2/9.8
Sound power level	Cooling			dBA	52.0	53.0
	Heating			dBA	52.0	53.0
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20.0/25.0/38.0	20.0/25.0/39.0
	Heating	Silent operation/Low/High		dBA	19.0/25.0/38.0	19.0/25.0/39.0
Control systems	Infrared remote control				ARC466A66	

Outdoor unit				RXTP	25R	35R
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling	Nom.		dBA	61.0	
	Heating	Nom.		dBA	61.0	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/0.75	
Piping connections	Liquid	OD		mm	6.35	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for electrical data | See separate drawing for operation range | Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases

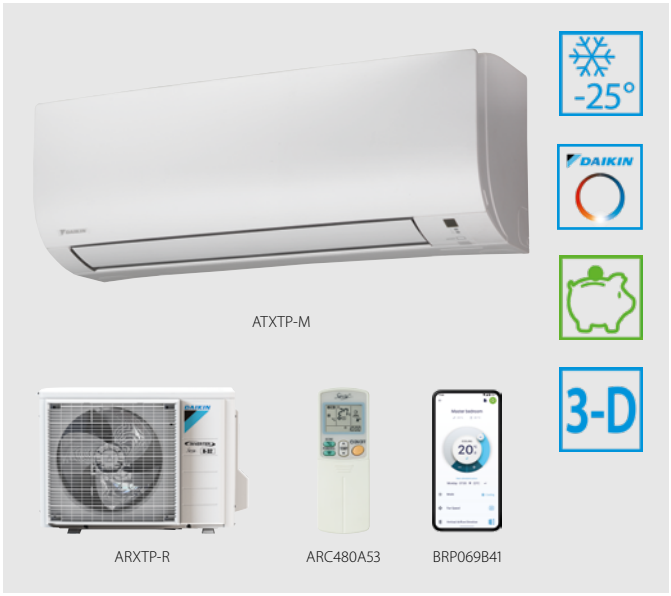
Siesta

BLUEVOLUTION

Wall mounted unit

Siesta wall mounted unit providing high efficiency and comfort down to -25°C

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Seasonal efficiency values: full range A++ in cooling and heating
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Space saving contemporary wall mounted design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



More details and final information can be found by scanning or clicking the QR codes. ATXTP-M ARXTP-R

Efficiency data				ATXTP + ARXTP	25M + 25R	35M + 35R
Cooling capacity	Min./Nom./Max.			kW	0.80/2.50/4.40	0.80/3.50/4.40
Heating capacity	Min./Nom./Max.			kW	1.20/3.20/6.00	1.20/4.00/6.50
Power input	Cooling		Nom.	kW	0.57	0.93
	Heating		Nom.	kW	0.65	0.91
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.50
	SEER				6.98	7.05
	Annual energy consumption			kWh/a	125	174
Space heating (Average climate)	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.00
	SCOP/A				4.88	4.76
	Annual energy consumption			kWh/a	717	882
Space heating (Cold climate)	Energy efficiency class				A	
	Capacity		Pdesignh	kW	3.65	4.38
	Annual energy consumption			kWh/a	1,960	2,414
	SCOP/C				3.91	3.81
Nominal efficiency	EER				4.38	3.75
	COP				4.90	4.39
	Annual energy consumption			kWh	285	467
	Energy labeling Directive	Cooling/Heating			A/A	

Indoor unit				ATXTP	25M	35M
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225	
Weight	Unit			kg	9.00	
Air filter	Type				Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	3.9/5.5/8.3/11.5	
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.5/5.6/8.7/11.5	
Sound power level	Cooling			dBA	58	
	Heating			dBA	58	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/26/43	
	Heating	Silent operation/Low/High		dBA	21/26/43	
Control systems	Infrared remote control				ARC480A53	

Outdoor unit				ARXTP	25R	35R
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling	Nom.		dBA	61.0	
	Heating	Nom.		dBA	61.0	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/0.75	
Piping connections	Liquid	OD		mm	6.35	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m (horizontal) | Contains fluorinated greenhouse gases

Options - Split

BLUEVOLUTION

R-32

	INDOOR UNITS	FTXZ-N	C/FTXA-AW/ BS/BT/BB	FTXJ- AW/S/B	C/FTXM-R	FTXP-N	FTXF-D	FTXF-E	FTXC-D
Online control system	Onecta app WIFI adapter for smart phone	BRP069B42	Standardly included	Standardly included	Standardly included	Standardly included	BRP069B45	BRP069C47	BRP069B45
HomeHub	EKRHH PV self-consumption for Multi+ domestic hot water tank								
Individual control systems	BRC1E53A/B/C (3)(4)(5) / BRC1H51(9)W/S/K / BRC1H81W/S Premium wired remote control with full-text interface and back-light								
	BRC073A1 (9) Wired remote control (cord for wired remote control required)		●	●	●	●	●	●	
	BRC2E52C Simplified remote control (with operation mode selector button)								
	BRC3E52C Remote control for hotel use								
	BRC4C65 Infrared remote control								
	BRCW901A03 Extension cord for wired remote control (3m)		●	●	●	●	●	●	
	BRCW901A08 Extension cord for wired remote control (8m)		●	●	●	●	●	●	
Centralised control systems	DCC601A51 Centralised controller with cloud connection by using the adapter KRP928*	●	●	●	●	●	●	●	
	DCS302CA51** Central remote control	●	●	●	●	●	●	●	
	DCS301BA51** Unified ON/OFF control	●	●	●	●	●	●	●	
	DCS303A51 Residential central remote control								
	DST301BA51** Schedule timer	●	●	●	●	●	●	●	
	DCM601A51** Intelligent Touch Manager	●	●	●	●	●	●	●	
Building Management System & Standard protocol interface	EKMBDXA** Modbus interface	●	●	●	●	●	●	●	
	RTD-RA (9)** Modbus gateway	●	●	●	●	●	●	●	
	KLIC-DD (9)** KNX Interface	●	●	●	●	●	●	●	
Adapters	BRP7A54 (7)(8) Adapter PCB for interlock (key card, …)								
	KRP1B56 Adapter for wiring								
	KRP413AB1S** Adapter for wiring normal open contact/normal open pulse contact (time clock and other devices to be purchased locally)	●	●	●	●	●			
	KRP4A54 Adapter for external ON/OFF and monitoring for electrical appendices								
	KRP2A53 Wiring adapter for electrical appendices								
	Installation box for adapter PCBs (when there is no space in the switchbox)								
	KRP980B1 Interface adapter for wired remote control					●*		●*	
	KRP928BB2S** Interface adapter for DIII-net	●	●	●	●	●	●	●	
	DTA114A61 Multi tenant								
	KRCS01-4 External wired temperature sensor		●						
	KJB212AA/KJB311A Electrical box with earth terminal (2 blocks / 3 blocks)								
Filters	KAF970A46 Titanium apatite deodorising filter without frame		●	●		●			●
	KAF057A41 Silver particle filter (Ag-ion filter) with frame		●	●		●			
	KAF046A41 Honeycomb deodorising and air purifying filter with frame	●							
	KAF968A42 Honeycomb deodorising and air purifying filter with frame	●							
	KEK26-1A Noise filter (for electromagnetic use only)								
	BAE20A62/102 Auto-cleaning filter (small/large)								
Others	Anti-theft protection for remote control	KKF936A4	KKF910AA4	KKF910AA4		KKF936A4	KKF936A4		
	Wire harness to connect to S21 connector		EKRS21	EKRS21	EKRS21	EKRP069A41**		EKRP069A41**	
	KDT25N32/50/63 Insulation kit for high humidity								

(1) Can be used only in combination with KRP980A1
(2) WLAN installation kit include interface adapter PCB
(3) BRC1E53A: included languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Portuguese, Polish
(4) BRC1E53B: included languages: English, German, Czech, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian
(5) BRC1E53C: included languages
(6) Installation box for adapter PCB is necessary. Hour meter is field supply and should not be installed inside the equipment.
(7) Installation box for adapter PCB is necessary. They require mounting plate KRP4A96, maximally 2 optional PCBs can be mounted.
(8) Only in combination with simplified remote control BRC2E52C or BRC3E52C.
(9) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.
(10) Standard there is no remote control delivered with this indoor unit. Wired or infrared control to be ordered separately.
(11) Standard delivered with the unit.
* This option features an S21. connector.
EKRP067A41 is only an S21. PCB.
KRP980B1 is S21 a PCB and adaptor casing - however adaptor plastic casing is not required for installation to the unit.

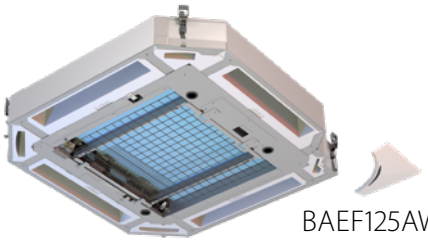
R-32 and R-410A	R-32	Siesta R-32					Optimised heating R-32					Domestic hot water tanks
FDXM-F9	C/FVXM-A9	ATXM-R	ATXP-N	ATXF-A	ATXF-E	ATXC-D	FTXTA-AW	FTXTM-R	FTXTP-M	ATXTP-M	FVXM-A	EHWET-BV3
BRP069A81	Standardly included	Standardly included	Standardly included	BRP069B45	BRP069C47	BRP069B45	Standardly included	Standardly included	Standardly included	BRP069B41	Standardly included	
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			KKF936A4	KKF936A4			KKF910AA4		KKF936A4	KKF936A4	KKF910AA4	
	EKRS21	EKRS21	EKRP069A41**		EKRP069A41**		EKRS21				EKRS21	
●												

** This indoor unit requires one conversion wire harness (EKRS21 or EKRP069A41) to connect current option which use S21 connector. Wireless Lan as standard of unit is not able to operate with option. When user needs to use option, please turn off function of Wireless Lan.



Pure air
because we care

Breathe healthy air with the round flow
UV Streamer kit



BAEF125AWB

90% of our time is spent indoors. However indoor air is 2 to 5 times more polluted than outdoor air.

These internal pollution effects on people are manifested in the long run. Tackle them now!

Our UV streamer kit offers you the solution:

› It purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment

› Thanks to large air flow rate of the Round flow cassette, clean air can be quickly delivered to every corner of your space

› Can be retrofitted into existing installations

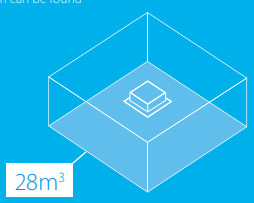
› Can be used with BYCQ140E and BYCQ140EW decoration panels

99.9%
of viruses removed in 30 minutes, thanks to Daikin's unique
Catch & Clean approach

Tested at Intertek
Results based on tests performed in the laboratories of Intertek, in a 28m³ room. Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room





View full test report:

Sky Air the solution for the light commercial sector

Sky Air is Daikin's industry-leading light commercial range, which has been designed for optimum seasonal energy efficiency. Providing the ideal solution for all kinds of small commercial spaces, the Sky Air series offers a complete comfort solution that puts you in total control of your heating and cooling, ventilation and air curtains.

Sky Air
Light commercial applications

New Sky Air low height series 392
Low sound enclosure 393
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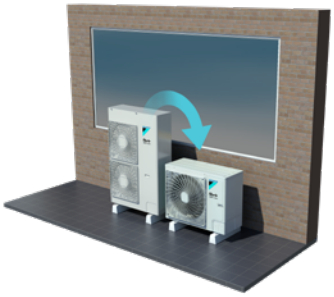
SkyAir Advance-series

SkyAir Alpha-series

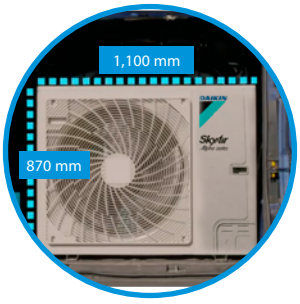
Low height. High value.



Unique, low-height single fan range



Compact unit, easy to transport



Market-leading serviceability and handling



Fast and easy access to all critical component

- Single screw access
- Wider access area



Newly positioned handle for easier carrying

The smart way for sound reduction



Daikin dedicated solution for sound reduction

Meet strict sound requirements, while increasing flexiblity to apply Sky Air and VRV heat pumps thanks to sound power reduction of up to 10 dB(A).

- **Guaranteed high performance:** optimised design to keep the capacity and air flow as close as possible to the standard conditions
- **Faster and reliable planning:** no calculations or estimations necessary thanks to tested data according to ISO 3744
- **Perfect fit:** specially designed for Sky Air and VRV heat pumps
- **Maximum flexibility:** can be installed and retrofitted on any plain surface
- **Easy access:** simple and fast installation and maintenance through large side panels with fast locks
- **Designed to be discreet:** tailor-made low height design; highly aesthetic finishing and smooth surface in anthracite colour-tone



www.daikin.eu/en_us/products/ekln-a.html

Sky Air VRV

7 reasons why Sky Air is unique in the market

1 Full Sky Air R-32 range delivering future-proofed, best-in-class climate control

Sky Air A-series BLUEVOLUTION

More details on page 444



System	Type	Model	Product name	35	50	60	71	100	125	140	200	250
				3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW	21.5 kW	23.6 kW
Air cooled	Heat pump	**Sky Air Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	RZAG-A RZAG-NV1/NY1									
		Sky Air Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZASG-MV1/MY1									
			RZA-D									
		Sky Air Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-R AZAS-MV1/MY1									

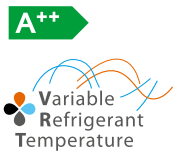
Full indoor line up

(over 45 different models)



2 High energy efficiency

› **Top seasonal efficiency**
  › SEER up to 8.02 and A++ label in cooling and heating
  › Variable Refrigerant Temperature that automatically adapts the refrigerant temperature to the load
› Round flow and concealed ceiling units with **auto cleaning filter**

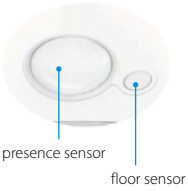




3 Best comfort

› **Variable Refrigerant Temperature** preventing cold draughts
› **Low sound** indoor and outdoor units
› **Presence and floor sensors** direct the air flow away from persons, while ensuring an even temperature distribution
› Operation down to **-20°C in heating and cooling** operation
NEW › **UV Streamer kit**, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc
› Fresh air intake integrated in indoor unit





4 Top reliability

› For **infrastructure cooling**
  › unique boosted capacity indoor unit systems
  › duty rotation control
› **Refrigerant cooled PCB**
› New refrigerant passes keeping heat exchanger and drain holes completely open at all times
› **Most extensive testing** before new units leave the factory
› **Widest support network** and after sales service
› All spare parts available in Europe





bottom plate refrigerant pass

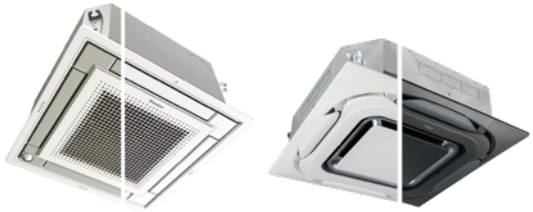
5 Market leading controls

› **Remote connectivity**
  › **Intuitive app** control
  › **Daikin Cloud Service** offering online control, energy monitoring and comparison of multiple sites
› **User-friendly wired remote controller with premium design**
  › Intuitive touch button control
  › 3 color versions
  › Advanced settings can be easily done via your smartphone
› **Dedicated control solutions**
  › for retail applications
  › for infrastructure cooling



6 Superior aesthetics

› **Fully flat cassette** design unit that integrates fully flat into the ceiling
› **Auto cleaning** units ensure dirt-free ceilings with high efficiency filters for regular and dust prone areas
› Widest ever range cassette panels
  › Available in **white and black**
  › Sleek **designer panel** range



7 Unique installation benefits

› **4-way blow ceiling suspended cassette** (FUA) for rooms without false ceiling.
› Plug & play Daikin air handling unit with ERQ condensing units
› Reliably replace Daikin and non-Daikin systems without the need for pipe cleaning thanks to the new hepta filtration
› Dedicated low sound enclosure, reducing sound power up to -10 dB(A)
› Use up to 4 indoor units linked to one outdoor unit for long or irregularly shaped rooms





Always in control,
no matter where you are

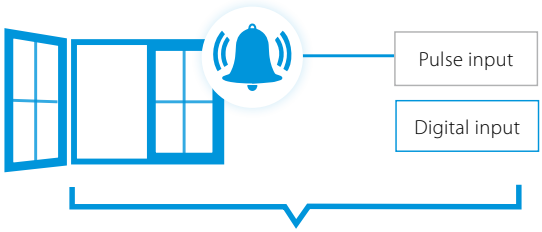
Intelligent Tablet Controller

intelligent Tablet Controller

- User-friendly touch screen to centrally control your A/C and alarms
- Integrate third party equipment via pulse or digital input
- Connects to the Daikin Cloud Service



AL-CCD07-VESA



Indoor uit

More details on page 918

Daikin Cloud Service

DAIKIN CLOUD SERVICE

Cloud-based remote control and monitoring solution for DX systems

Remote control and energy visualisation
Puts you in the driving seat of your energy management

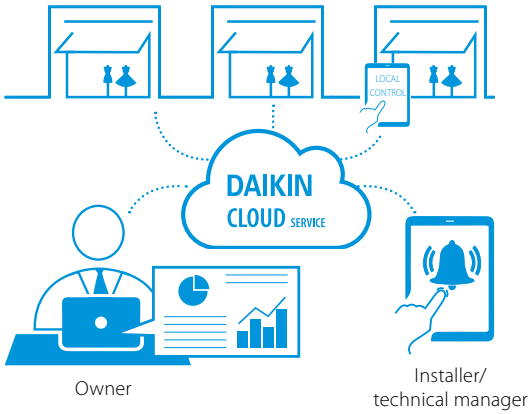
* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

Remote support and diagnostics
Daikin specialist supervision, so you can focus on your core business

Advice and optimisation
Get the best out of your system through expert advice

Multi-site monitoring

From one to an ∞ number of sites





Compatible with:
- intelligent Tablet Controller (DCC601A51)
- intelligent Touch manager (DCM601B51) + IoT gateway
- LC8 + IoT gateway



Clear dashboard overview



Infrastructure cooling

Unique in the market

DUTY ROTATION

RELIABLE, CONTINUOUS OPERATION 24/7 365

Infrastructure cooling

› For rooms and enclosures that require round-the-clock cooling
› Where continuous uptime is the absolute requirement for server data protection

Between **20-40%** sensible capacity increase

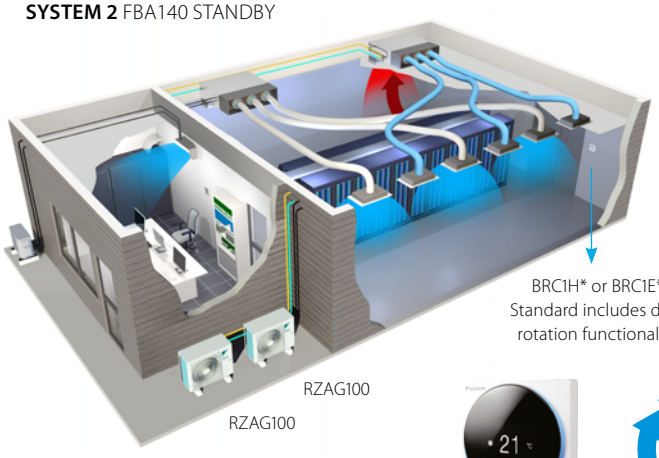
RELIABLE
Guaranteed system operation:
› Oversized indoor units boost cooling capacity and prevent freeze-ups on the indoor side
› Wide operating range envelope: operation range in cooling down to -20°C and up to +52°C

EFFICIENT
Optimum return on investment:
› Lowers running costs by using highly efficient direct expansion cooling systems
› Lower running costs compared to other DX systems and water based chillers.
› Reduces mechanical cooling and energy consumption with the free cooling option for single phase systems

FLEXIBLE
› Scalable in capacity
› Improved infrastructure control and management
› Lower physical footprint since no floor space is occupied
› Wide range of indoor units to suit application preferences (ceiling suspended cassettes, wall mounted indoors, concealed ceiling ducted type indoors)

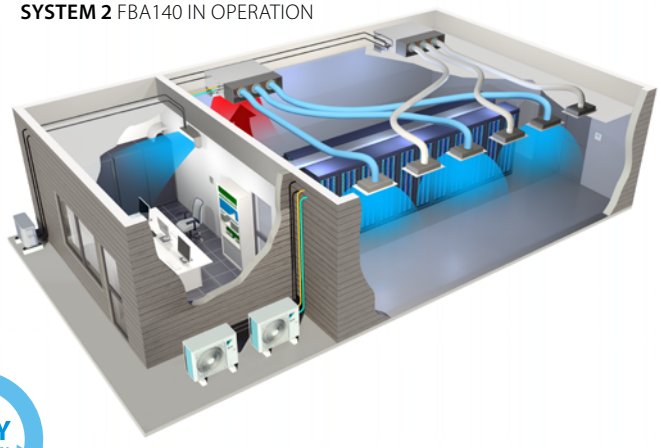
Duty rotation application example

SYSTEM 1 FBA140 IN OPERATION
SYSTEM 2 FBA140 STANDBY

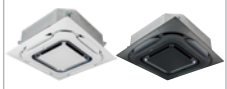
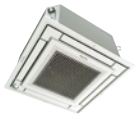
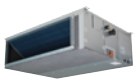


DUTY ROTATION

SYSTEM 1 FBA140 STANDBY
SYSTEM 2 FBA140 IN OPERATION



Product overview SkyAir

Type	Model	Product name		PG	
Ceiling mounted cassette	UNIQUE High COP, Round flow cassette UV Streamer kit	FCAHG-H		407	360° air discharge for the highest efficiency and comfort - High COP cassette ensures top performance for commercial applications - Auto cleaning function ensures high efficiency - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout - Widest choice ever in decoration panel designs and colors ROUND FLOW
	UNIQUE Round flow cassette UV Streamer kit	FCAG-B		408	360° air discharge for the highest efficiency and comfort - Auto cleaning function ensures high efficiency - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout - Lowest installation height in the market - Widest choice ever in decoration panel designs and colors ROUND FLOW
	UNIQUE Fully flat cassette	FFA-A9		412	Unique design in the market that integrates fully flat into the ceiling - Perfect integration in standard architectural ceiling tiles - Blend of iconic design and engineering excellence with a white or silver and white finish - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout without changing the location of the unit! - Quietest 600 x 600 cassette on the market
Concealed ceiling	Slim concealed ceiling unit Auto cleaning option Multi zoning option	FDXM-F9		418	Slim design for flexible installation - Compact dimensions enable installation in narrow ceiling voids - Medium external static pressure up to 40Pa - Small capacity unit developed for small of well insulated rooms - Auto cleaning function ensures high efficiency and reliability
	Concealed ceiling unit with medium ESP Multi zoning option	FBA-A(9)		420	Slimmest yet most powerfull medium static pressure unit on the market! - Slimmest unit in class, only 245mm - Low operating sound level - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort
	Concealed ceiling unit with high ESP	FDA-A	 FDA125A	424	ESP up to 200Pa, ideal for large sized buildings - Discretely concealed in the ceiling: only the grilles are visible - Possibility to change ESP via wired remote control allows optimisation of the supply air volume - Flexible installation as the air suction direction can be altered from rear to bottom suction
			 FDA200-250A	425	ESP up to 250Pa, Ideal for extra large sized spaces - Discretely concealed in the ceiling: only the grilles are visible - Possibility to change ESP via wired remote control allows optimisation of the supply air volume
	Concealed ceiling unit Multi zoning option	ADEA-A		426	Ideal for residential applications with false ceilings - Energy label up to A - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Slimmest unit in class, only 245mm - Exclusively offered for pair applications
Wall mounted	Wall mounted unit	FAA-B		427	For rooms with no false ceilings nor free floor space - Flat, stylish front panel - The air is comfortably spread up- and downwards thanks to 5 different discharge angles - Easy maintenance as this can be done from the front of the unit - Flexible to install: pipe connection can be bottom, left or right
	Perfera wall mounted unit	FTXM-R		430	For rooms with no false ceilings nor free floor space - Practically inaudible - 2 area motion detection sensor - Flash streamer technology - 3D air flow
Ceiling suspended	Ceiling suspended unit	FHA-A(9)		431	For wide rooms with no false ceilings nor free floor space - Ideal for comfortable air flow in wide rooms thanks to Coanda effect - Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily! - Can be mounted in corners or narrow spaces without any problem
	UNIQUE 4-way blow ceiling suspended unit	FUA-A		434	Unique Daikin unit for high rooms with no false ceilings nor free floor space - Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily! - Flexibility to suit every room layout without changing the location of the unit! - Optimum comfort guaranteed with automatic air flow adjustment to the required load - The air is comfortably spread up- and downwards thanks to 5 different discharge angles
Floor standing	Floor standing unit	FVA-A		436	For spaces with high ceilings - Ideal solution for commercial spaces with no or narrow false ceilings - Even rooms with very high ceilings can be heated up or cooled down very easily! - Guarantees a stable temperature - Vertical and horizontal outblow
	Concealed floor standing unit	FNA-A9		438	Designed to be concealed in walls, only grilles remain visible - Slimmest unit on the market with a depth of only 200mm! - Both window sill or ducted installation are possible thanks to sufficient ESP - Whisper quiet operation allows installation in any location

Full R-32 BLUEVOLUTION line up

FULL single fan range

Capacity class										Outdoor unit combination				
										R-32				
										Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series
25	35	50	60	71	100	125	140	200	250	RZAG-A	RZAG-NV1/NY1	RZASG*	RZA-D	ARXM*/AZAS*
				•	•	•	•				✓			
	•	•	•	•	•	•	•			✓	✓	✓	✓	✓
•	•	•	•							✓	✓	✓	✓	
•	•	•	•							✓	✓	✓	✓	
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	•	•	•	•	•	•	•			✓	✓	✓	✓	
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•	•	•	•							✓	✓	✓	✓	

Benefit overview

SkyAir

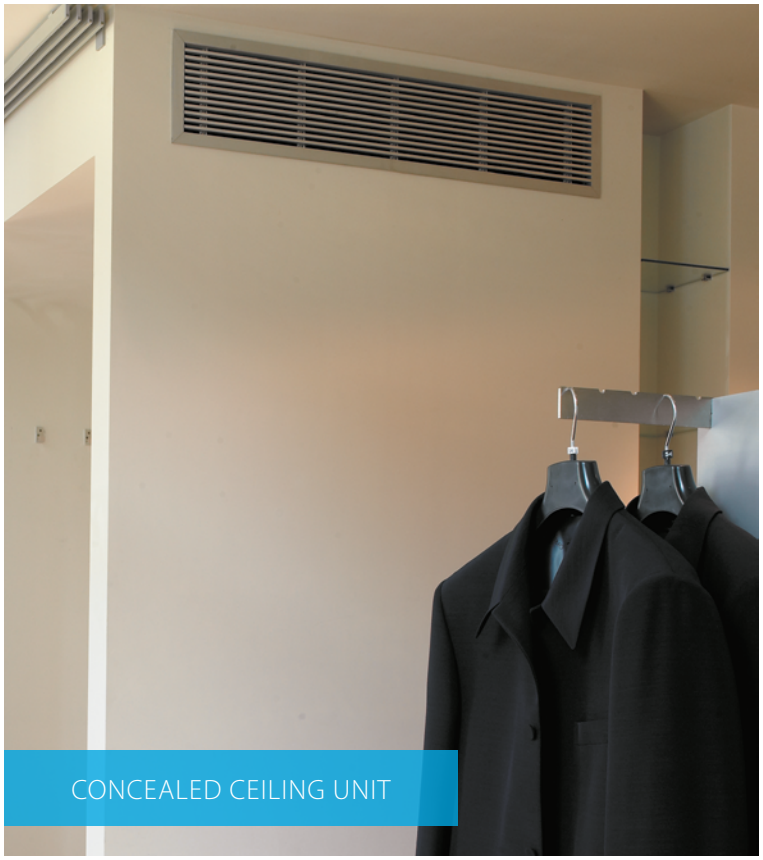
We care	Home leave operation	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy.
	Fan only	The unit can be used as fan, blowing air without heating or cooling.
	Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.
	Presence & floor sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.
Comfort	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.
	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.
Air treatment	UV Streamer kit	Purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment
	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.
Air flow	Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains.
	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.
	Fan speed steps	Allows to select up to the given number of fan speed.
	Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.
Remote control & timer	Onecta app	Control your indoor climate from any location via smartphone or tablet.
	Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis.
	Infrared remote control	Starts, stops and regulates the air conditioner from a distance.
	Wired remote control	Starts, stops and regulates the air conditioner.
	Centralised control	Starts, stops and regulates several air conditioners from one central point.
	Multi zoning	Allows up to 6 individual climate zones with one indoor unit
Other functions	Infrastructure cooling	Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment.
	Auto-restart	The unit restarts automatically at the original settings after power failure.
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.
	Drain pump kit	Facilitates condensation draining from the indoor unit.
	Twin/triple/double twin application	2,3 or 4 indoor units can be connected to only a single outdoor unit even if they have different capacities. All indoor units operate within the same heating or cooling mode from one remote control.
	Multi model application	Up to 5 indoor units can be connected to a single outdoor unit, even if they have different capacities. All indoor units can individually be operated within the same heating or cooling mode.
	VRV for residential application	Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Ceiling mounted cassette units			Concealed ceiling units					Ceiling suspended units	4-Way blow ceiling suspended unit	Wall mounted unit	Perfera wall mounted unit	Floor standing units	
FCAHG-H	FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)	FDA125A	FDA200-250A	ADEA-A	FHA-A(9)	FUA-A	FAA-B	FTXM-N	FVA-A	FNA-A9
													
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● (Optional high efficiency filter ePM10 60%)	●	●	●	●	●	●	●	●	●	●	● (Flash streamer; titanium apatite deodorising filter)	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●
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●	●	●						●	●	●	● (incl. 3D air flow)	●	
5 + auto	5 + auto	3 + auto	3 + auto	3 + auto	9 + auto	3 + auto	3 + auto	5 + auto	3 + auto	3 + auto	5 + auto	3 + auto	3 + auto
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●	●	●	●	●	●	●		●	●	●			●
	●	●	●	●				●					●
	●	●	●	●				●					●

● standard, ○ optional



FULLY FLAT CASSETTE



CONCEALED CEILING UNIT



CONCEALED FLOOR STANDING UNIT



4-WAY BLOW CEILING SUSPENDED CASSETTE



WALL MOUNTED UNIT



CEILING SUSPENDED UNIT

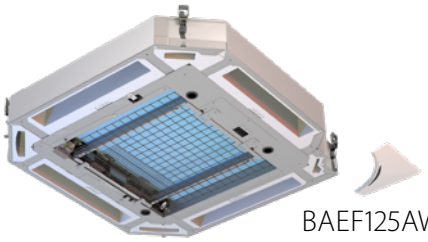


ROUND FLOW CASSETTE, DESIGNER PANEL



Pure air
because we care

Breathe healthy air with the round flow
UV Streamer kit



BAEF125AWB

90% of our time is spent indoors. However indoor air is 2 to 5 times more polluted than outdoor air.

These internal pollution effects on people are manifested in the long run. Tackle them now!

Our UV streamer kit offers you the solution:

› It purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment

› Thanks to large air flow rate of the Round flow cassette, clean air can be quickly delivered to every corner of your space

› Can be retrofitted into existing installations

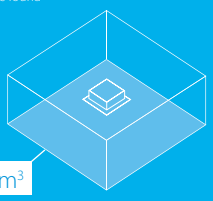
› Can be used with BYCQ140E and BYCQ140EW decoration panels

99.9%
of viruses removed in 30 minutes, thanks to Daikin's unique
Catch & Clean approach

Tested at Intertek
Results based on tests performed in the laboratories of Intertek, in a 28m³ room. Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room





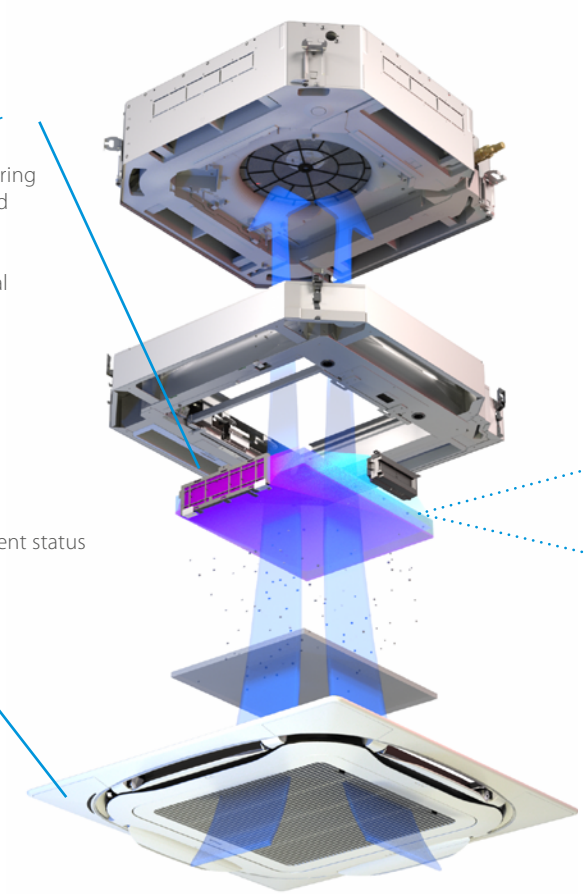
View full test report:

Daikin's unique Catch & Clean approach includes an ePM1 50% filter, UV-C light and Streamer technology

1 Effective capturing of air borne pollutants

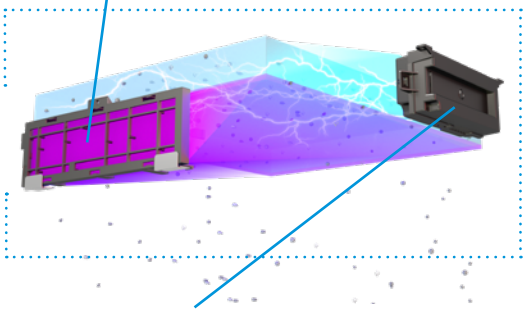
- Highly efficient capturing particulate matter and pollutants thanks to the ePM1.0 filter
- Anti bacterial and viral coating

Indicator light
Indicates operation, malfunction or replacement status



2 Effective cleaning and decomposition of pollutants
Our unique combined UV-C light and Streamer technology ensures both surface and in-depth sanitising of the filter to ensure hygienic air.

UVC LED light with high output wavelength of 265nm which is the most effective for surface cleaning and inactivation of bactaria and viruses.



Streamer technology for deep sanitising of the filter and powerful decomposition of viruses and bacteria trapped inside the filter.

UV Streamer filter specifications

Treatment tools	Test Organisation	Classifications	Test Standard and Method	Report Number	Efficiency	Sample Quantity	Contacting Time (hours)	Test Virus suspension
UV Streamer Kit	Phi-X174 (non enveloped virus)	Virus	Non-standardised Test Method: Microbial Reduction Rate Test	102105182COL-001	99.9%		0.5	$8x10^9$ PFU
Ionpure IPI Filter	Staphylococcus aureus	Bacteria	GB 21551.2-2010	2021FM05648R01	99.98%	$1m^3$	24	
Ionpure IPI Filter	Escherichia coli	Bacteria	GB 21551.2-2010	2021FM05648R01	99.99%	$1m^3$	24	
Ionpure IPI Filter	Aspergillus niger	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Penicillium pinophilum	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Trichoderma viridé	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Chaetomium globosum	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Paecilomyces variotiiv	Mold	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Infectious bronchitis virus	Virus	ISO 18184:2014(E)	2020FM26047R01	99.99%	$1m^3$	2	
Ionpure IPI Filter	SARS-CoV-2	Virus	JIS L 1922	21KB-080395-2(1/5)	99.92%		8	$2.2x10^7$ PFU
Ionpure IPI Filter	H1N1	Virus	ISO 18184:2014(E)	2020FM2434R01	99.94%	$1m^3$	2	

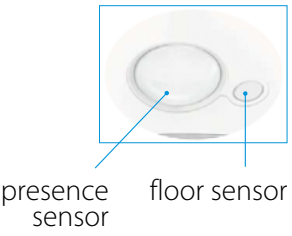
(1) Anti mildew grade 0: no fungal growth was seen visually and with the microscope.



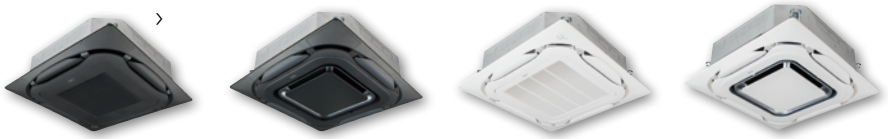
Complete indoor comfort, including pure air

The round flow cassette

› Maximum comfort thanks to **360° air discharge and intelligent sensors**



› **Widest ever choice in panels** to match any interior



Black auto cleaning panel | Black designer panel | Full white standard panel | White designer panel



› **Auto cleaning panel** keeps the filter free of dust for maximum efficiency

› **UV streamer kit**

NEW › Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment

› Highly efficient F7 filter (ISO classification under testing), UVC light and Streamer technology

› Can be **retrofitted** into existing installations

UV STREAMER

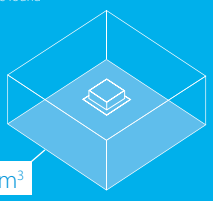
99.9%
of viruses removed in 30 minutes, thanks to Daikin's unique
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Results based on tests performed in the laboratories of Intertek, in a 28m³ room. Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room




intertek
DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.
EFFICACY TEST REPORT

View full test report:

ROUND FLOW UV STREAMER

SkyAir Alpha-series BLUEVOLUTION

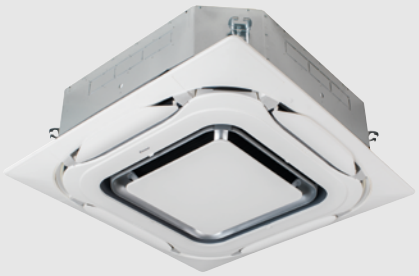
High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- High COP cassette ensures top performance and great energy savings
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- 5 different fan speeds available for maximum comfort

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAHG-H



RZAG-NV1_NY1



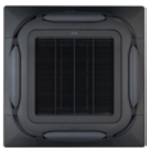
BRC1H52W BRP069C82



White panel



White auto cleaning panel



Black panel



Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FCAHG-H RZAG-NV1 RZAG-NY1

Efficiency data				FCAHG + RZAG	71H + 71NV1	100H + 100NV1	125H + 125NV1	140H + 140NV1	71H + 71NY1	100H + 100NY1	125H + 125NY1	140H + 140NY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		-		A++		-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				7.90	7.70	8.02	7.93	7.90	7.70	8.02	7.93
	ηs,c			%	-		318	314	-		318	314
	Annual energy consumption			kWh/a	301	432	905	1,014	301	432	905	1,014
Space heating (Average climate)	Energy efficiency class				A++		-		A+	A++	-	
	Capacity		Pdesign	kW	4.70		9.52		4.70		9.52	
	SCOP/A				4.61	4.75	4.53	4.44	4.56	4.75	4.53	4.44
	ηs,h			%	-		178	175	-		178	175
	Annual energy consumption			kWh/a	1,427	2,805	2,943	3,002	1,443	2,805	2,943	3,002

Indoor unit				FCAHG	71H	100H	125H	140H	71H	100H	125H	140H
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25.0							
Air filter	Type				Resin net							
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black							
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950							
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4		13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4	
		Heating	Low/Medium/High	m^3/min	13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1		13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1	
Sound power level	Cooling			dBA	53.0		61.0		53.0		61.0	
	Heating			dBA	53.0		61.0		53.0		61.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	29.0/33.0/36.0	33.0/39.0/44.0	35.0/40.0/45.0	37.0/41.0/45.0	29.0/33.0/36.0	33.0/39.0/44.0	35.0/40.0/45.0	37.0/41.0/45.0
	Heating	Low/Medium/High		dBA	29.0/33.0/36.0	33.0/39.0/44.0	35.0/40.0/45.0	37.0/41.0/45.0	29.0/33.0/36.0	33.0/39.0/44.0	35.0/40.0/45.0	37.0/41.0/45.0
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB							
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52							
Piping connections	Drain				VP25 (I.D. 25/O.D. 32)							

Outdoor unit				RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460							
Weight	Unit			kg	81	85	95		81	85	94	
Sound power level	Cooling			dBA	64	66	69	70	64	66	69	70
	Heating			dBA	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 ~18							
Refrigerant	Type/GWP				R-32/675							
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	55		85		55		85	
		System	Equivalent	m	75		100		75		100	
			Chargeless	m	40							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16			

Contains fluorinated greenhouse gases

ROUND FLOW UV STREAMER

SkyAir Alpha-series BLUEVOLUTION

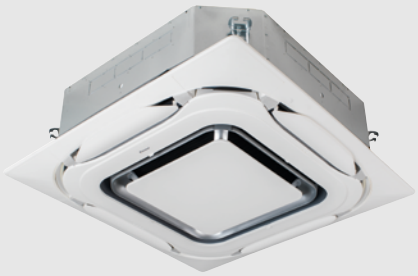
Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- 5 different fan speeds available for maximum comfort

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



RZAG-NV1_NY1



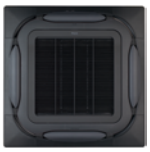
BRC1H52W BRP069C82



White panel



White auto cleaning panel



Black panel



Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FCAG-B RZAG-A RZAG-NV1 RZAG-NY1

Efficiency data			FCAG + RZAG	35B+35A	50B+50A	60B+60A	71B+71NV1	100B+100NV1	125B+125NV1	140B+140NV1	71B+71NY1	100B+100NY1	125B+125NY1	140B+140NY1
Cooling capacity	Min./Nom./Max.		kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.		kW	1.40/4.00/5.00	1.50/5.80/6.00	1.60/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class			A++					-		A++		-	
	Capacity	Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER			7.30	6.80	6.60	6.83	7.14	7.15	6.80	6.83	7.14	7.15	6.80
	ηs,c		%	-					283	269	-		283	269
	Annual energy consumption		kWh/a	168	257	318	348	466	1,016	1,182	348	466	1,016	1,182
Space heating (Average climate)	Energy efficiency class			A+					-		A+		-	
	Capacity	Pdesign	kW	3.30	4.30	4.60	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A			4.30		4.25	4.22	4.53	4.34		4.22	4.53	4.34	
	ηs,h		%	-					171		-		171	
	Annual energy consumption		kWh/a	1,074	1,398	1,515	1,560	2,413	3,071		1,560	2,413	3,071	

Indoor unit			FCAG	35B	50B	60B	71B	100B	125B	140B	71B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth	mm	204x840x840				246x840x840			204x840 x840	246x840x840		
Weight	Unit		kg	18	19		21	23			21	23		
Air filter	Type			Resin net										
Decoration panel	Model			Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black										
	Dimensions	HeightxWidthxDepth	mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950										
	Weight		kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5										
Fan	Air flow rate	Cooling Low/Medium/High	m^3/min	8.8/10.6/12.9	9.4/11.8/14.6	9.6/12.2/14.9	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2	
		Heating Low/Medium/High	m^3/min	9.4/11.6/14.1	9.4/11.8/14.6	9.6/12.2/14.9	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	
Sound power level	Cooling		dBA	49.0		51.0		54.0	58.0		51.0	54.0	58.0	
	Heating		dBA	49.0		51.0		54.0	58.0		51.0	54.0	58.0	
Sound pressure level	Cooling	Low/Medium/High	dBA	27.0/29.0/31.0		28.0/31.0/33.0	28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0		28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0	
	Heating	Low/Medium/High	dBA	27.0/29.0/31.0		28.0/31.0/33.0		29.0/33.0/37.0	29.0/35.0/41.0		28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0	
Control systems	Infrared remote control			BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB										
	Wired remote control			BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52										
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220										

Outdoor unit			RZAG/RZAG/RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth	mm	734x870x373			870x1,100x460							
Weight	Unit		kg	52			81	85	95		81	85	94	
Sound power level	Cooling		dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating		dBA	62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.	dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.	dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient Min.~Max.	°CDB	-20 ~ 52			-20 ~52							
	Heating	Ambient Min.~Max.	°CWB	-20 ~ 24			-20 ~18							
Refrigerant	Type/GWP			R-32/675.0			R-32/675							
	Charge		kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD	mm	6.35/9.52	6.35/12.7		9.52/15.9							
	Piping length	OU - IU Max.	m	50			55		85		55		85	
		System Equivalent	m	-			75		100		75		100	
		Chargeless	m	30			40							
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU Max.	m	30.0			30							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	-			20		32		16			

Contains fluorinated greenhouse gases

ROUND FLOW UV STREAMER

SkyAir Advance-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



RZASG100-140MV1_MY1



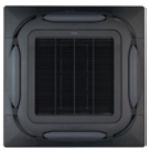
BRC1H52W, BRP069C82



White panel



White auto cleaning panel



Black panel



Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FCAG-B RZASG-MV1 RZASG-MY1

Efficiency data					FCAG + RZASG	71B + 71MV1	100B + 100MV1	125B + 125MV1	140B + 140MV1	100B + 100MY1	125B + 125MY1	140B + 140MY1
Cooling capacity	Nom.			kW		6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW		7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class					A++		-		A++	-	
	Capacity		Pdesign	kW		6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER					6.47	6.55	5.76	6.53	6.55	5.76	6.53
	ηs,c			%		-		227	258	-	227	258
	Annual energy consumption			kWh/a		368	507	1,261	1,231	507	1,261	1,231
Space heating (Average climate)	Energy efficiency class					A+		-		A+	-	
	Capacity		Pdesign	kW		4.50	6.00		7.80	6.00		7.80
	SCOP/A					4.10	4.17	4.05	4.31	4.17	4.05	4.31
	ηs,h			%		-		159	169	-	159	169
	Annual energy consumption			kWh/a		1,537	2,016	2,074	2,534	2,016	2,074	2,534

Indoor unit					FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm		204x840x840	246x840x840					
Weight	Unit			kg		21	23					
Air filter	Type					Resin net						
Decoration panel	Model					Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black						
	Dimensions	HeightxWidthxDepth		mm		Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950						
	Weight			kg		Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min		10.8 /13.0 /15.1	13.0 /17.8 /22.7	13.1 /20.4 /27.2		13.0 /17.8 /22.7	13.1 /20.4 /27.2	
		Heating	Low/Medium/High	m^3/min		10.8 /12.9 /15.1	13.2 /18.1 /23.0	13.0 /20.2 /27.0		13.2 /18.1 /23.0	13.0 /20.2 /27.0	
Sound power level	Cooling			dBA		51.0	54.0	58.0		54.0	58.0	
	Heating			dBA		51.0	54.0	58.0		54.0	58.0	
Sound pressure level	Cooling	Low/Medium/High		dBA		28.0 /31.0 /35.0	29.0 /33.0 /37.0	29.0 /35.0 /41.0		29.0 /33.0 /37.0	29.0 /35.0 /41.0	
	Heating	Low/Medium/High		dBA		28.0 /31.0 /33.0	29.0 /33.0 /37.0	29.0 /35.0 /41.0		29.0 /33.0 /37.0	29.0 /35.0 /41.0	
Control systems	Infrared remote control					BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/60/220-240/220						

Outdoor unit					RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm		770x900x320	990x940x320					
Weight	Unit			kg		60	70		78	70		77
Sound power level	Cooling			dBA		65	70	71	73	70	71	73
	Heating			dBA		-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA		46	53		54	53		54
	Heating	Nom.		dBA		47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15 ~46						
	Heating	Ambient	Min.~Max.	°CWB		-15 ~15.5						
Refrigerant	Type/GWP					R-32/675						
	Charge			kg/TCO2Eq		2.45 /1.65	2.60 /1.76		2.90 /1.96	2.60 /1.76		2.90 /1.96
Piping connections	Liquid/Gas OD			mm		9.52 /15.9						
	Piping length	OU - IU System	Max.	m		50						
			Equivalent	m		70						
			Chargeless	m		30						
	Additional refrigerant charge			kg/m		See installation manual						
	Level difference	IU - OU	Max.	m		30.0						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /220-240				3~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A		20	25	32		16		

Contains fluorinated greenhouse gases

ROUND FLOW UV STREAMER SkyAir Active-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Ideal solution for small businesses and shops
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Bigger flaps and unique swing pattern improve equal air distribution

NEW
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment

- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



AZAS100-140MV1_MY1



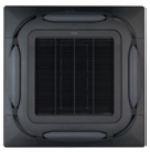
BRC1H52W, BRP069C82



White panel



White auto cleaning panel



Black panel



Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FCAG-B ARXM-R AZAS-MV1 AZAS-MY1

Efficiency data				FCAG + ARXM / AZAS	71B + ARXM71R	100B + AZAS100MV1	125B + AZAS125MV1	140B + AZAS140MV1	100B + AZAS100MY1	125B + AZAS125MY1	140B + AZAS140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+	A+	-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.87	5.67	5.40	6.00	5.67	5.40	6.00
	ηs,c				-		213	237	-	213	237
	Annual energy consumption			kWh/a	405	586	1,345	1,300	586	1,345	1,300
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.00	3.85	3.80	4.31	3.85	3.80	4.31
	ηs,h				-		149	169	-	149	169
	Annual energy consumption			kWh/a	1,573	2,182	2,211	2,534	2,182	2,211	2,534

Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	23					
Air filter	Type				Resin net						
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black						
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950						
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		13.0/17.8/22.7	13.1/20.4/27.2	
		Heating	Low/Medium/High	m^3/min	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		13.2/18.1/23.0	13.0/20.2/27.0	
Sound power level	Cooling			dBA	51.0	54.0	58.0		54.0	58.0	
	Heating			dBA	51.0	54.0	58.0		54.0	58.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0	29.0/35.0/41.0	
	Heating	Low/Medium/High		dBA	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0	29.0/35.0/41.0	
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				ARXM71R	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth	mm	734x954x401	990x940x320					
Weight	Unit		kg	49.0	70		78	70		77
Sound power level	Cooling		dBA	-	70	71	73	70	71	73
	Heating		dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.	dBA	52.0	53		54	53		54
	Heating	Nom.	dBA	52.0	57					
Operation range	Cooling	Ambient Min.~Max.	°CDB	-10 ~ 50	-5 ~46					
	Heating	Ambient Min.~Max.	°CWB	-20 ~ 24	-15 ~15.5					
Refrigerant	Type/GWP			R-32/ 675.0						
	Charge		kg/TCO2Eq	1.15/0.780	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas OD		mm	9.52/15.9						
	Piping length	OU - IU System Max.	m	30						
		Equivalent	m	-	50					
		Chargeless	m	-	30					
	Additional refrigerant charge		kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	-	25	32		16		

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!

NEW
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment

- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed




White panel | White auto cleaning panel | Black panel | Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FCAG-B RXM-R RXM-R9

Efficiency data				FCAG + RXM	35B + 35R9	50B + 50R	60B + 60R
Cooling capacity	Nom.			kW	3.50	5.00	5.70
Heating capacity	Nom.			kW	4.20	6.00	7.00
Space cooling	Energy efficiency class				A++	A++	
	Capacity		Pdesign	kW	3.50	5.00	5.70
	SEER				6.35	6.54	6.40
	ηs,c				-		
	Annual energy consumption			kWh/a	193	268	312
Space heating (Average climate)	Energy efficiency class				A++	A+	
	Capacity		Pdesign	kW	3.32	4.36	4.71
	SCOP/A				4.90	4.30	4.20
	ηs,h				-		
	Annual energy consumption			kWh/a	948	1,418	1,569

Indoor unit				FCAG	35B	50B	60B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		
Weight	Unit			kg	18	19	
Air filter	Type				Resin net		
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black		
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950		
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	8.8/10.6/12.9	9.4/11.8/14.6	9.6/12.2/14.9
		Heating	Low/Medium/High	m^3/min	9.4/11.6/14.1	9.4/11.8/14.6	9.6/12.2/14.9
Sound power level	Cooling			dBA	49.0	49.0	51.0
	Heating			dBA	49.0	49.0	51.0
Sound pressure level	Cooling	Low/Medium/High		dBA	27.0/29.0/31.0	27.0/29.0/31.0	28.0/31.0/33.0
	Heating	Low/Medium/High		dBA	27.0/29.0/31.0	27.0/29.0/31.0	28.0/31.0/33.0
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB		
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				RXM	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350	734x870x373	
Weight	Unit			kg	32	49.0	
Sound power level	Cooling				-		
Sound pressure level	Cooling	Nom.		dBA	49.0	48.0	
	Heating	Nom.		dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 46		
	Heating	Ambient	Min.~Max.	°CWB	-15 ~ 24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0.780	
Piping connections	Liquid/Gas OD			mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10	-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	16	

Contains fluorinated greenhouse gases

Fully Flat Cassette

Design & Genius in one



Why choose fully flat cassette

› Unique design in the market that integrates fully flat into the ceiling

› Advanced technology and top efficiency combined

› Most quiet cassette available on the market

FFA-A9 / FXZQ-A



Choice between grey or white panel

Benefits for the installer

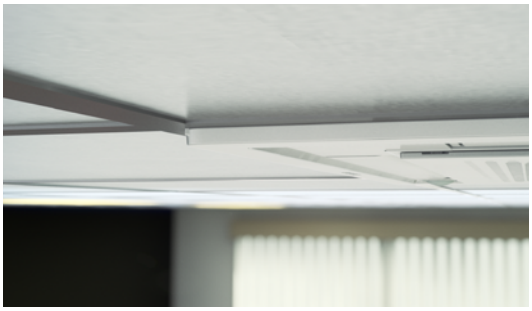
› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

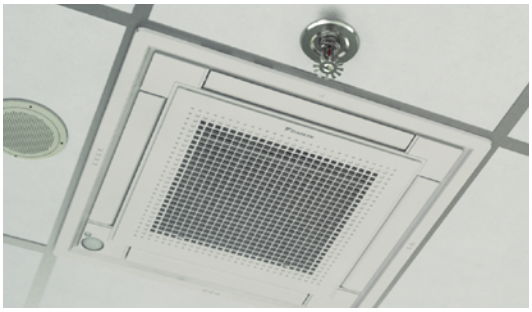
Benefits for the consultant

› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA*) or VRV IV heat pump units (FXZQ*).

Benefits for the end user

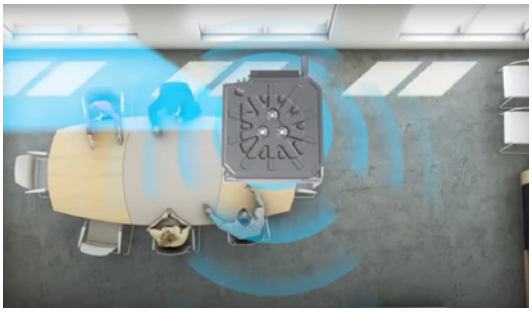
› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly remote control, available in several languages.

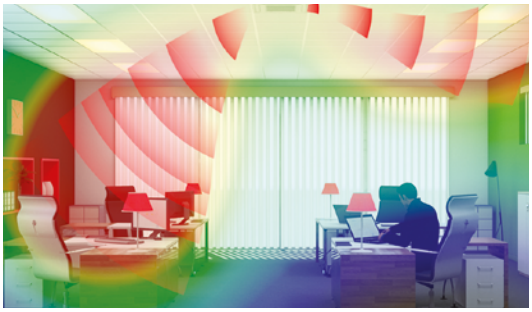




Unique design

› Designed by a European design office to fully meet the European taste.
› Fully flat into the ceiling, leaving only 8mm.
› Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
› Decoration panel available in 2 colours (white and white-silver).



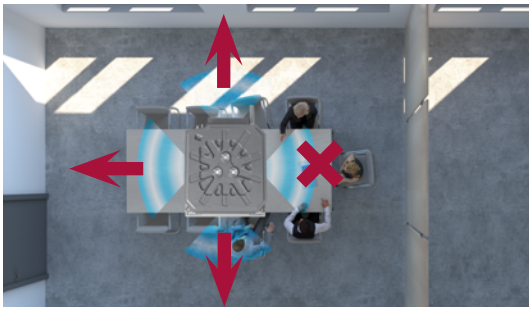


Differentiating in technology

Optional presence sensor
› When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
› When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

Optional floor sensor
› Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.





Top efficiency

› Seasonal efficiency labels up to A++*
› When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.

* for FFA25,35A9 in combination with RXM25,35

Other benefits

› Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E/BRC1H) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
› Most silent cassette in the market (25dBA), important for office applications.

Marketing tools

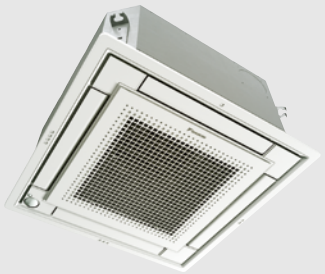
› https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html
› www.youtube.com/DaikinEurope

SkyAir Alpha-series BLUEVOLUTION

Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed



FFA-A9



RZAG25-60A



BRC1H52W BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FFA-A9

RZAG-A

Efficiency data					FFA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A
Cooling capacity	Min./Nom./Max.				kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.				kW	1.40/4.00/5.00	1.50/5.80/6.00	1.60/7.00/7.50
Space cooling	Energy efficiency class					A++		A+
	Capacity		Pdesign		kW	3.50	5.00	6.00
	SEER					6.40	6.30	5.80
	Annual energy consumption				kWh/a	191	278	362
Space heating (Average climate)	Energy efficiency class					A	A+	
	Capacity		Pdesign		kW	4.20	4.30	4.50
	SCOP/A					3.80	4.01	4.04
	Annual energy consumption				kWh/a	1,546	1,501	1,558

Indoor unit					FFA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth			mm	260x575x575		
Weight	Unit				kg	16.0	17.5	
Air filter	Type					Resin net		
Decoration panel	Model					BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1		
	Colour					White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)		
	Dimensions	HeightxWidthxDepth			mm	46x620x620 / 46x620x620 / 55x700x700 / 55x700x700		
	Weight				kg	2.8/2.8/2.7/2.7		
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
		Heating	Low/Medium/High		m^3/min	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
Sound power level	Cooling				dBA	51.0	56.0	60.0
Sound pressure level	Cooling	Low/Medium/High			dBA	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
	Heating	Low/Medium/High			dBA	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
Control systems	Infrared remote control					BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)		
	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		

Outdoor unit					RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth			mm	734x870x373		
Weight	Unit				kg	52		
Sound power level	Cooling				dBA	62.0	63.0	64.0
	Heating				dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.			dBA	48.0	49.0	50.0
	Heating	Nom.			dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-20~52		
	Heating	Ambient	Min.~Max.		°CWB	-20~24		
Refrigerant	Type/GWP					R-32/675.0		
	Charge				kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas	OD			mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.		m	50		
		System	Chargeless		m	30		
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.		m	30.0		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		

Contains fluorinated greenhouse gases

Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Unified indoor unit range for R-32 and R-410A
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FFA-A9 RXM-R RXM-R9

Efficiency data				FFA + RXM	25A9 + 25R9	35A9 + 35R9	50A9 + 50R	60A9 + 60R
Cooling capacity	Nom.			kW	2.50	3.40	5.00	5.70
Heating capacity	Nom.			kW	3.20	4.20	5.80	7.00
Space cooling	Energy efficiency class				A++		A+	
	Capacity		Pdesign	kW	2.50	3.40	5.00	5.70
	SEER				6.17	6.38	5.98	5.76
	Annual energy consumption			kWh/a	142	186	293	346
Space heating (Average climate)	Energy efficiency class				A+		A	A+
	Capacity		Pdesign	kW	2.31	3.10	3.84	3.96
	SCOP/A				4.24	4.10	3.90	4.04
	Annual energy consumption			kWh/a	762	1,058	1,378	1,373

Indoor unit				FFA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575			
Weight	Unit			kg	16.0		17.5	
Air filter	Type				Resin net			
Decoration panel	Model				BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1			
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm	46x620x620 / 46x620x620 / 55x700x700 / 55x700x700			
	Weight			kg	2.8/2.8/2.7/2.7			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	6.5/8.0/9.0	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
		Heating	Low/Medium/High	m^3/min	6.5/8.0/9.0	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
Sound power level	Cooling			dBA	48.0	51.0	56.0	60.0
Sound pressure level	Cooling	Low/Medium/High		dBA	25.0/28.5/31.0	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
	Heating	Low/Medium/High		dBA	25.0/28.5/31.0	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

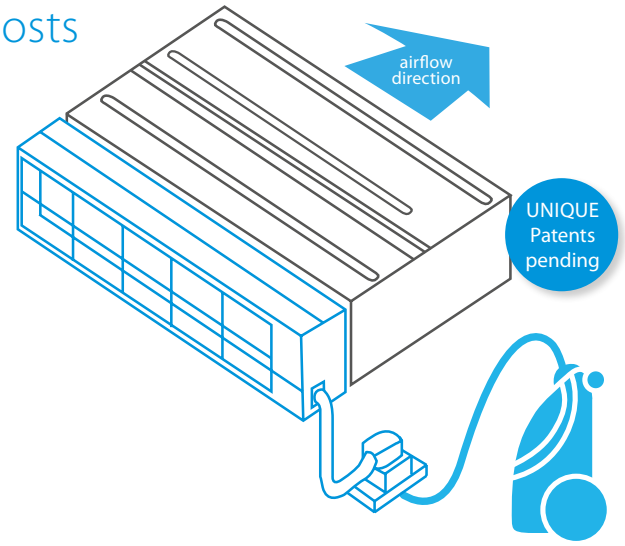
Outdoor unit				RXM	25R9	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350		734x870x373	
Weight	Unit			kg	32		49.0	
Sound pressure level	Cooling	Nom.		dBA	46.0	49.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 46			
	Heating	Ambient	Min.~Max.	°CWB	-15 ~ 24			
Refrigerant	Type				R-32			
	GWP				675		675.0	
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.780	
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.52		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-		16	

Contains fluorinated greenhouse gases

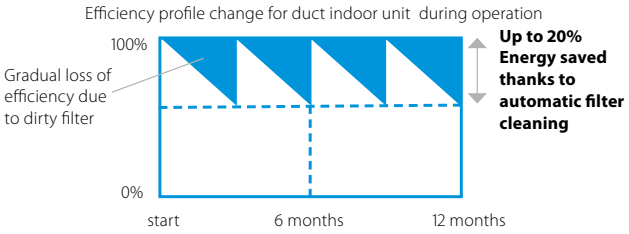


Auto cleaning filter
for concealed ceiling units

The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs



Reduce running costs
› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



Minimal time required for filter cleaning
› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality
› Optimum airflow eliminates draft and insulates sound

Superb reliability
› Prevents clogged filters for seamless operation

Unique technology
› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette



How does it work?

1. **Scheduled automatic filter cleaning**
2. **Dust collects in a dust box that's integrated into the unit**
3. **The dust can easily be removed with a vacuum cleaner**

youtube.com/DaikinEurope

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDA-A/FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

	BAE20A62	BAE20A82	BAE20A102
Height (mm)	210		
Width (mm)	830	1,030	1,230
Depth (mm)	188		



Multi zoning kit

for concealed ceiling units

Easy selection via our NEW software!

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Benefits

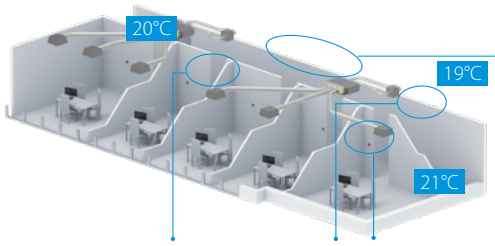
Increased comfort

› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation

How does it work?





Zoning box: fully pre-assembled plenum with dampers

Individual zone thermostats

Bluezero - Airzone Main Thermostat
› Color graphic interface for controlling zones



AZCE6BLUEZEROCB (Wired)

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones



AZCE6THINKRB (Wireless)

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature



AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	Ø (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV IV+ FXDQ-A3 15	20	25	32	40	50	63	VRV IV+ FXSQ-A 15	20	25	32	40	50	63	80	100	125	140
Standard plenum																																			
	2	AZEZ6DAIST07XS2	300 x 930 x 454	200																						•	•	•	•						
		AZEZ6DAIST07S2							•	•																				•	•					
	3	AZEZ6DAIST07XS3																								•	•	•	•						
		AZEZ6DAIST07S3							•	•																				•	•					
	4	AZEZ6DAIST07S4	300 x 1,140 x 454						•	•																				•	•					
		AZEZ6DAIST07M4									•	•				•																•	•			
	5	AZEZ6DAIST07M5	300 x 1,425 x 454								•	•				•																•	•			
		AZEZ6DAIST07L5											•	•	•		•	•																•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454								•	•				•																•	•			
		AZEZ6DAIST07L6											•	•	•		•	•																•	•	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454										•	•	•		•	•																•	•	
		AZEZ6DAIST07XL7																																		•
	8	AZEZ6DAIST07L8											•	•	•		•	•																•	•	
		AZEZ6DAIST07XL8																																		•
Medium plenum																																			
	2	AZEZ6DAIBS07XS2	250 x 930 x 454	200																						•	•	•	•						
		AZEZ6DAIBS07S2							•	•																				•	•					
	3	AZEZ6DAIBS07XS3																								•	•	•	•						
		AZEZ6DAIBS07S3							•	•																				•	•					
		AZEZ6DAIBS07M3									•	•				•																•	•			
	4	AZEZ6DAIBS07S4	250 x 1,140 x 454						•	•																				•	•					
		AZEZ6DAIBS07M4									•	•				•																•	•			
		AZEZ6DAIBS07L4											•	•	•		•	•																•	•	
	5	AZEZ6DAIBS07S5	250 x 1,425 x 454						•	•																				•	•					
		AZEZ6DAIBS07M5									•	•				•																•	•			
		AZEZ6DAIBS07L5											•	•	•		•	•																•	•	
		AZEZ6DAIBS07XL5																																		•
	6	AZEZ6DAIBS07M6	250 x 1,638 x 454								•	•				•																•	•			
		AZEZ6DAIBS07L6											•	•	•		•	•																•	•	
		AZEZ6DAIBS07XL6																																		•
Slim plenum	2	AZEZ6DAISL01S2	210 x 720 x 444	200	•	•													•	•	•	•													
	3	AZEZ6DAISL01S3			•	•													•	•	•	•													
	4	AZEZ6DAISL01M4	210 x 930 x 444																				•	•											
	5	AZEZ6DAISL01L5	210 x 1,140 x 444				•	•																	•										

(1) Reversible units can be blocked to heating only via AZX6MCS module

For more information on options refer to page 912

SkyAir Alpha-series BLUEVOLUTION

Slim concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption

with auto cleaning and multi zoning option



More details and final information can be found by scanning or clicking the QR codes.

FDXM-F9 RZAG-A

Efficiency data				FDXM + RZAG	35F9 + 35A	50F9 + 50A	60F9 + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50
Space cooling	Energy efficiency class				A+		
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				5.90		5.70
	Annual energy consumption			kWh/a	208	296	368
Space heating (Average climate)	Energy efficiency class				A		
	Capacity		Pdesign	kW	3.50	4.30	4.50
	SCOP/A				3.90		
	Annual energy consumption			kWh/a	1,255	1,544	1,616

Indoor unit				FDXM	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620	200x1,150x620	
Weight	Unit			kg	21	28	
Air filter	Type				Removable / washable		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30	40	
Sound power level	Cooling			dBA	53.0	55.0	56.0
	Heating			dBA	53.0	55.0	56.0
Sound pressure level	Cooling	Low/High		dBA	27.0/35.0	30.0/38.0	
	Heating	Low/High		dBA	27.0/35.0	30.0/38.0	
Control systems	Infrared remote control				BRC4C65		
	Wired remote control				BRC1H52W/S/K, BRC1E53A/B/C, BRC1D52		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas OD			mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Chargeless	m	30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Contains fluorinated greenhouse gases

Slim concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption

with auto cleaning and multi zoning option



FDXM25-35F9

RXM-R

BRC1H52W BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FDXM-F9 RXM-R RXM-R9

Efficiency data				FDXM + RXM	25F9 + 25R9	35F9 + 35R9	50F9 + 50R	60F9 + 60R
Cooling capacity	Min./Nom./Max.			kW	1.30/2.40/3.00	1.40/3.40/3.80	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nom./Max.			kW	1.30/3.20/4.50	1.40/4.00/5.00	1.70/5.80/6.00	1.70/7.00/7.10
Space cooling	Energy efficiency class				A+	A	A+	A
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	Annual energy consumption			kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class				A+	A		
	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693

Indoor unit				FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53.0		55.0	56.0
	Heating			dBA	53.0		55.0	56.0
Sound pressure level	Cooling	Low/High		dBA	27.0/35.0		30.0/38.0	
	Heating	Low/High		dBA	27.0/35.0		30.0/38.0	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H52W/S/K, BRC1E53A/B/C, BRC1D5			

Outdoor unit				RXM	25R9	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350		734x870x373	
Weight	Unit			kg	32		49.0	
Sound pressure level	Cooling	Nom.		dBA	46.0	49.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 46			
	Heating	Ambient	Min.~Max.	°CWB	-15 ~ 24			
Refrigerant	Type/GWP				R-32/675.0			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.780	
Piping connections	Liquid/Gas	OD		mm	6.35/9.52		6.35/12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-		16	

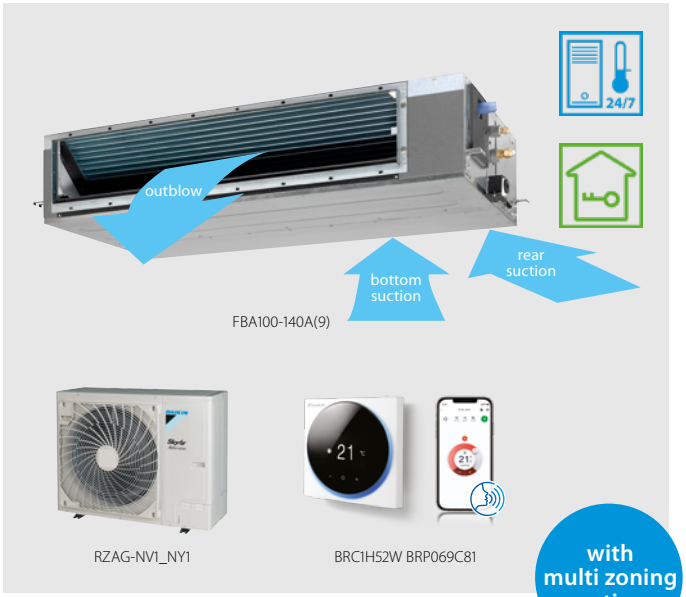
Contains fluorinated greenhouse gases

SkyAir Alpha-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FBA-A(9) RZAG-A RZAG-NV1 RZAG-NY1

Efficiency data				FBA + RZAG	35A9+35A	50A9+50A	60A9+60A	71A9+71NV1	100A+100NV1	125A+125NV1	140A+140NV1	71A9+71NY1	100A+100NY1	125A+125NY1	140A+140NY1
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/7.0	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/6.00/6.00	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling		Nom.	kW	0.78	1.25	1.48	-							
	Heating		Nom.	kW	0.91	1.58	2.06	-							
Space cooling	Energy efficiency class				A++			-				A++		-	
	Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.12	6.30	6.15	6.50	6.47	6.56	6.42	6.50	6.47	6.56	6.42
	ηs,c			%	-					259	254	-		259	254
	Annual energy consumption			kWh/a	200	278	341	366	514	1,107	1,252	366	514	1,107	1,252
Space heating (Average climate)	Energy efficiency class				A+			-				A+		-	
	Capacity		Pdesign	kW	4.20	4.30	4.50	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.10			4.20	4.36	4.37	4.34	4.20	4.36	4.37	4.34
	ηs,h			%	-					172	171	-		172	171
	Annual energy consumption			kWh/a	1,434	1,469	1,537	1,566	2,505	3,050	3,070	1,566	2,505	3,050	3,070

Indoor unit				FBA	35A9	50A9	60A9	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800		245x1,400x800			245x1,000x800	245x1,400x800		
Weight	Unit			kg	28.0		35.0		46.0			35.0	46.0		
Air filter	Type				Resinnet										
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0		23.0/26.0/29.0	23.5/29.0/34.0		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0		23.0/26.0/29.0	23.5/29.0/34.0		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150				40/150	50/150		30/150	40/150	50/150	
Sound power level	Cooling			dBA	60.0		56.0		58.0	62.0		56.0	58.0	62.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	29.0/32.0/35.0		25.0/28.0/30.0		30.0/32.0/34.0	32.0/35.0/37.0		25.0/28.0/30.0	30.0/32.0/34.0	32.0/35.0/37.0	
	Heating	Low/Medium/High		dBA	29.0/34.0/37.0		25.0/28.0/31.0		30.0/33.0/36.0	32.0/35.0/38.0		25.0/28.0/31.0	30.0/33.0/36.0	32.0/35.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66										
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52										
Piping connections	Drain				VP20 (I.D. 20/O.D. 26)										
Drain-up height				mm	625										

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~ 52			-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24			-20 ~18							
Refrigerant	Type/GWP				R-32/675.0			R-32/675							
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas OD			mm	6.35/9.52	6.35/12.7		9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference IU - OU		Max.	m	30.0			30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			20	32			16			

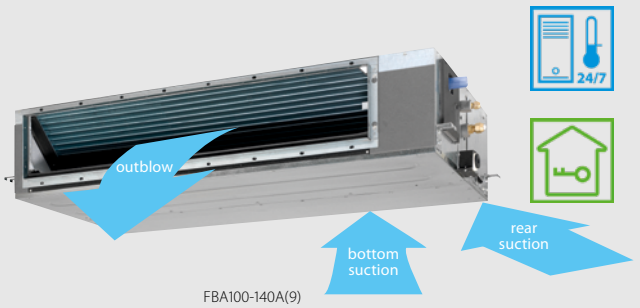
Contains fluorinated greenhouse gases

Sky Air Advance-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume



FBA100-140A(9)


RZASG100-140MV1_MY1


BRC1H52W BRP069C81

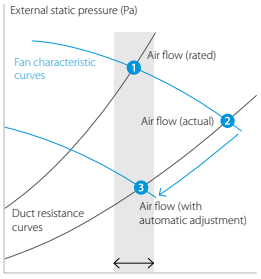
with multi zoning option

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature. Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes.

FBA-A(9) RZASG-MV1 RZASG-MY1

Efficiency data				FBA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				6.19	5.83	5.49	5.81	5.83	5.49	5.81
	ηs,c			%	-		217	229	-	217	229
	Annual energy consumption			kWh/a	385	570	1,322	1,384	570	1,322	1,384
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.01	3.85	3.63	3.85		3.63	3.85
	ηs,h			%	-		142	151	-	142	151
	Annual energy consumption			kWh/a	1,571	2,182	2,314	2,836	2,182	2,314	2,836

Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000 x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	12.5 /15.0 /18.0	23.0 /26.0 /29.0	23.5 /29.0 /34.0		23.0 /26.0 /29.0	23.5 /29.0 /34.0	
		Heating	Low/Medium/High	m³/min	12.5 /15.0 /18.0	23.0 /26.0 /29.0	23.5 /29.0 /34.0		23.0 /26.0 /29.0	23.5 /29.0 /34.0	
	External static pressure	Nom./High		Pa	30 /150	40 /150	50 /150		40 /150	50 /150	
Sound power level	Cooling			dBA	56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	25.0 /28.0 /30.0	30.0 /32.0 /34.0	32.0 /35.0 /37.0		30.0 /32.0 /34.0	32.0 /35.0 /37.0	
	Heating	Low/Medium/High		dBA	25.0 /28.0 /31.0	30.0 /33.0 /36.0	32.0 /35.0 /38.0		30.0 /33.0 /36.0	32.0 /35.0 /38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15 ~46						
	Heating	Ambient	Min.~Max.	°CWB	-15 ~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45 /1.65	2.60 /1.76		2.90 /1.96	2.60 /1.76		2.90 /1.96
Piping connections	Liquid/Gas	OD		mm	9.52 /15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240				3~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		16		

Contains fluorinated greenhouse gases

SkyAir Active-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Ideal solution for small businesses and shops
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Reduced energy consumption thanks to specially developed DC fan motor
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FBA-A(9) ARXM-R AZAS-MV1 AZAS-MY1

Efficiency data				**FCAG + ARXM / AZAS**	**71A9 + ARXM71R**	**100A + AZAS100MV1**	**125A + AZAS125MV1**	**140A + AZAS140MV1**	**100A + AZAS100MY1**	**125A + AZAS125MY1**	**140A + AZAS140MY1**
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A	A	-		A	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.57	5.25	4.85	5.50	5.25	4.85	5.50
	ηs,c				-		191	217	-	191	217
	Annual energy consumption			kWh/a	427	633	1,497	1,418	633	1,497	1,418
Space heating (Average climate)	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.81		3.55	3.85	3.81	3.55	3.85
	ηs,h				-		139	151	-	139	151
	Annual energy consumption			kWh/a	1,652	2,205	2,366	2,836	2,205	2,366	2,836

Indoor unit				**FBA**	**71A9**	**100A**	**125A**	**140A**	**100A**	**125A**	**140A**
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resinnet						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	25.0/28.0/30.0	30.0/32.0/34.0	32.0/35.0/37.0		30.0/32.0/34.0	32.0/35.0/37.0	
	Heating	Low/Medium/High		dBA	25.0/28.0/31.0	30.0/33.0/36.0	32.0/35.0/38.0		30.0/33.0/36.0	32.0/35.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit					**ARXM71R**	**AZAS100MV1**	**AZAS125MV1**	**AZAS140MV1**	**AZAS100MY1**	**AZAS125MY1**	**AZAS140MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320					
Weight	Unit			kg	49.0	70		78	70		77
Sound power level	Cooling				-	70	71	73	70	71	73
					-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52.0	53		54	53		54
	Heating	Nom.		dBA	52.0	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5 ~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15 ~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.780	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas OD			mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	30						
		System	Equivalent	m	-	50					
			Chargeless	m	-	30					
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference	IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240				3~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32		16		

Contains fluorinated greenhouse gases

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume

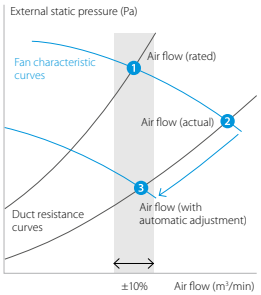


Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature. Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes.

FBA-A(9) RXM-R RXM-R9

Efficiency data				FBA + RXM	35A9 + 35R9	50A9 + 50R	60A9 + 60R
Cooling capacity	Nom.			kW	3.40	5.00	5.70
Heating capacity	Nom.			kW	4.00	5.50	7.00
Space cooling	Energy efficiency class				A++		A+
	Capacity		Pdesign	kW	3.40	5.00	5.70
	SEER				6.23	6.27	5.91
	Annual energy consumption			kWh/a	191	279	336
Space heating (Average climate)	Energy efficiency class				A+		
	Capacity		Pdesign	kW	2.90	4.40	4.60
	SCOP/A				4.07	4.06	4.01
	Annual energy consumption			kWh/a	996	1,517	1,607

Indoor unit				FBA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800
Weight	Unit			kg	28.0		35.0
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
		Heating	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
	External static pressure	Nom./High		Pa	30/150		
Sound power level	Cooling			dBA	60.0		56.0
Sound pressure level	Cooling	Low/Medium/High		dBA	29.0/32.0/35.0		25.0/28.0/30.0
	Heating	Low/Medium/High		dBA	29.0/34.0/37.0		25.0/28.0/31.0
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

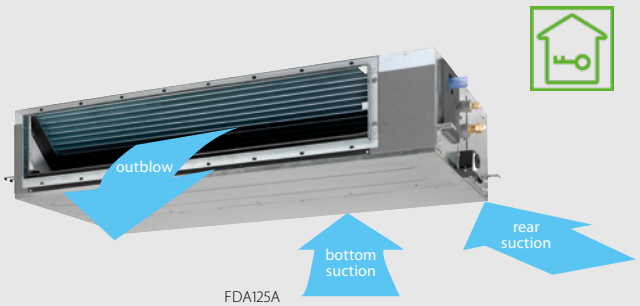
Outdoor unit				RXM	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350	734x870x373	
Weight	Unit			kg	32	49.0	
Sound pressure level	Cooling	Nom.		dBA	49.0	48.0	
	Heating	Nom.		dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~50/46		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type				R-32		
	GWP				675	675.0	
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0.780	
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.52	12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10	-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	16	

Contains fluorinated greenhouse gases

Concealed ceiling unit with high ESP

ESP up to 200 Pa, ideal for large sized spaces

- High external static pressure up to 200Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Built-in drain pump (625mm) increases the flexibility and installation speed (standard for FDA125, optional for FDA200-250)
- Standard supplied suction filter simplifies installation



FDA125A


RZAG-NV1_NY1


BRC1H52W BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FDA-A RZAG-NV1 RZAG-NY1 RZASG-MV1 RZASG-MY1

					Sky Air Alpha-series		Sky Air Advance-series	
Efficiency data			**FDA + RZAG / RZASG**		**125A + 125NV1**	**125A + 125NY1**	**125A + 125MV1**	**125A + 125MY1**
Cooling capacity	Min./Nom./Max.			kW	-/12.1 /-			
Heating capacity	Min./Nom./Max.			kW	-/13.5 /-			
Space cooling	Capacity		Pdesign	kW	12.1			
	SEER				6.59		5.03	
	ηs,c			%	261		198	
	Annual energy consumption			kWh/a	1,102		1,444	
Space heating (Average climate)	Capacity		Pdesign	kW	9.52		6.00	
	SCOP/A				4.35		3.58	
	ηs,h			%	171		140	
	Annual energy consumption			kWh/a	3,064		2,346	

Indoor unit					**FDA**	**125A**	**125A**	**125A**	**125A**
Dimensions	Unit	HeightxWidthxDepth			mm	300x1,400x700			
Weight	Unit				kg	45			
Required ceiling void >					mm	350			
Air filter	Type					Resinnet			
Decoration panel						BYBS125DJW1			
	Colour					White(10Y9/0.5)			
	Dimensions	HeightxWidthxDepth			mm	55x1,500x500			
	Weight				kg	6.5			
Fan	Air flow rate	Cooling	Low/High		m^3/min	28.0/39.0			
		Heating	Low/High		m^3/min	28.0/39.0			
	External static pressure	Nom./High			Pa	50/200			
Sound power level	Cooling				dBA	66			
Sound pressure level	Cooling	Low/Medium/High			dBA	33/-/40			
	Heating	Low/Medium/High			dBA	33/-/40			
Control systems	Infrared remote control					BRC4C65 / BRC4C66			
	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Piping connections	Drain					VP25 (I.D. 25/O.D. 32)			
Drain-up height					mm	625			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/60/220-240/220			

Outdoor unit						**RZAG125NV1**	**RZAG125NY1**	**RZASG125MV1**	**RZASG125MV1**
Dimensions	Unit	HeightxWidthxDepth			mm	870x1,100x460		990x940x320	
Weight	Unit				kg	95	94	70	
Sound power level	Cooling				dBA	69		71	
	Heating				dBA	68		71	
Sound pressure level	Cooling	Nom.			dBA	49		53	
	Heating	Nom.			dBA	52		57	
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-20 ~52		-15 ~46	
	Heating	Ambient	Min.~Max.		°CWB	-20 ~18		-15 ~15.5	
Refrigerant	Type/GWP					R-32/675			
	Charge				kg/TCO2Eq	3.70/2.50		2.60/1.76	
Piping connections	Liquid/ Gas	OD			mm	9.52/15.9			
	Piping length	OU - IU	Max.		m	85		50	
		System	Equivalent		m	100		70	
			Chargeless		m	40		30	
	Additional refrigerant charge				kg/m	See installation manual			
	Level difference	IU - OU	Max.		m	30		30.0	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240	3~/50/380-415	1~/50/220-240	3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)				A	32	16	32	16

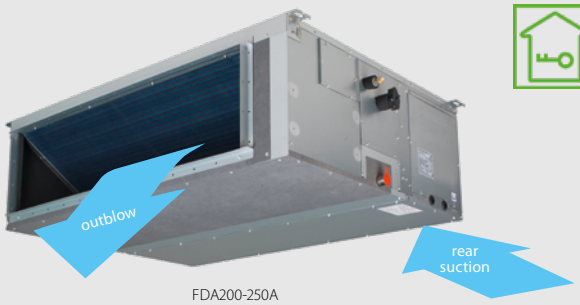
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SkyAir Advance-series
BLUEVOLUTION

Concealed ceiling unit with high ESP

ESP up to 250 Pa, ideal for large sized spaces

› High external static pressure up to 250Pa facilitates extensive duct and grille network
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the ceiling: only the suction and discharge grilles are visible
› Optional drain pump
› Standard supplied suction filter simplifies installation
› Up to 26.4kW in heating mode



FDA200-250A


RZA-D


BRC1H52W BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FDA-A

RZA-D

Efficiency data				FDA + RZA	200A + 200D	250A + 250D
Cooling capacity	Min./Nom./Max.			kW	-/19.0/-	-/22.0/-
Heating capacity	Min./Nom./Max.			kW	-/22.4/-	-/24.0/-
Space cooling	Capacity		Pdesign	kW	19.0	22.0
	SEER				6.26	5.38
	ηs,c			%	247	212
	Annual energy consumption			kWh/a	1,821	2,455
Space heating (Average climate)	Capacity		Pdesign	kW	11.2	12.1
	SCOP/A				3.59	3.55
	ηs,h			%	141	139
	Annual energy consumption			kWh/a	4,368	4,765

Indoor unit				FDA	200A	250A
Dimensions	Unit	HeightxWidthxDepth		mm	470x1,490x1,100	
Weight	Unit			kg	104	115
Air filter	Type				Resinnet	
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	36.0/50/64.0	43.0/56/69.0
		Heating	Low/Medium/High	m^3/min	36.0/50.0/64.0	43.0/56.0/69.0
	External static pressure	Nom./High		Pa	62/250	
Sound power level	Cooling			dBA	69.0	71.0
Sound pressure level	Cooling	Low / Medium / High		dBA	36.0/39.0/43.0	37.0/40.0/44.0
	Heating	Low / Medium / High		dBA	36.0/39.0/43.0	37.0/40.0/44.0
Control systems	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52	
Piping connections	Drain				BSP1	

Outdoor unit				RZA	200D	250D
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460	
Weight	Unit			kg	117	
Sound power level	Cooling			dBA	73	76
	Heating			dBA	76	79
Sound pressure level	Cooling	Nom.		dBA	53	57
	Heating	Nom.		dBA	60	63
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~15	
Refrigerant	Type/GWP				R-32/675	
	Charge			kg/TCO2Eq	5/3.38	
Piping connections	Liquid/Gas OD			mm	9.52/22.2	
	Piping length	OU - IU	Max.	m	100	
		System	Chargeless	m	30	
	Additional refrigerant charge			kg/m	See installation manual	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	

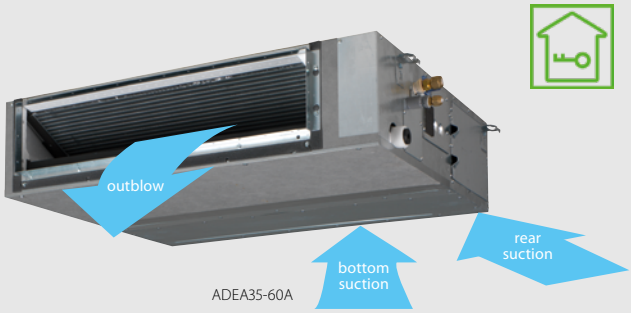
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SkyAir Active-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Ideal for residential applications with false ceilings

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit



ADEA35-60A


AZAS100-140MV1_MY1


BRC1E53A/B/C


BRP069C81

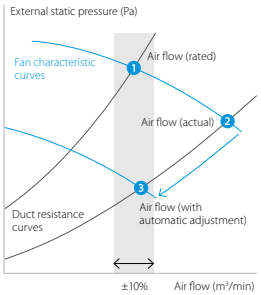
with multi zoning option

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature. Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes.

ADEA-A ARXM-R AZAS-MV1

Efficiency data					ADEA	71A + ARXM71R	100A + AZAS100MV1	125A + AZAS125MV1
Cooling capacity	Nom.				kW	6.80	9.50	12.10
Heating capacity	Nom.				kW	7.50	10.80	13.50
Space cooling	Energy efficiency class					A	A	-
	Capacity		Pdesign		kW	6.80	9.50	12.10
	SEER					5.35	5.13	4.73
	ηs,c				%	-		186
	Annual energy consumption				kWh/a	445	648	1,534
Space heating (Average climate)	Energy efficiency class					A		-
	Capacity		Pdesign		kW	6.00		
	SCOP/A					3.80	3.81	3.50
	ηs,h				%	-	-	137
	Annual energy consumption				kWh/a	2,209	2,206	2,399

Indoor unit					ADEA	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth			mm	245x1,000x800	245x1,400x800	
Weight	Unit				kg	35.0	46.0	
Air filter	Type					Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
		Heating	Low/Medium/High		m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
	External static pressure	Nom./High			Pa	30/150	40/150	50/150
Sound power level	Cooling				dBA	56	58	62
Sound pressure level	Cooling	Low/Medium/High			dBA	25/28/30	30/32/34	32/35/37
	Heating	Low/Medium/High			dBA	25/28/31	30/33/36	32/35/38
Control systems	Infrared remote control					BRC4C65 / BRC4C66		
	Wired remote control					BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240/220		

Outdoor unit					ARXM71R	AZAS100MV1	AZAS125MV1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320	
Weight	Unit			kg	49.0	70	
Sound power level	Cooling			dBA	-	70	71
	Heating			dBA	-		71
Sound pressure level	Cooling	Nom.		dBA	52.0	53	
	Heating	Nom.		dBA	52.0	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 50	-5 ~46	
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24	-15 ~15.5	
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.15/0.780	2.60/1.76	
Piping connections	Liquid/Gas OD			mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	30		
		System	Equivalent	m	-	50	
			Chargeless	m	-	30	
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual	
	Level difference	IU - OU	Max.	m	20.0	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32

Contains fluorinated greenhouse gases

Sky Air Alpha-series BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



FAA71B

RZAG-NV1_NY1

BRC1H52W, BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FAA-B RZAG-NV1 RZAG-NY1

Efficiency data				**FAA + RZAG**	**71B + 71NV1**	**100B + 100NV1**	**71B + 71NY1**	**100B + 100NY1**
Cooling capacity	Nom.			kW	6.80	9.50	6.80	9.50
Heating capacity	Nom.			kW	7.50	10.80	7.50	10.80
Space cooling	Energy efficiency class				A++			
	Capacity	Pdesign		kW	6.80	9.50	6.80	9.50
	SEER				6.58	6.42	6.58	6.42
	Annual energy consumption			kWh/a	362	518	362	518
Space heating (Average climate)	Energy efficiency class				A+			
	Capacity	Pdesign		kW	4.70	7.80	4.70	7.80
	SCOP/A				4.20	4.01	4.20	4.01
	Annual energy consumption			kWh/a	1,567	2,725	1,567	2,725

Indoor unit				**FAA**	**71B**	**100B**	**71B**	**100B**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x269	340x1,200x262	290x1,050x269	340x1,200x262
Weight	Unit			kg	14.0	18	14.0	18
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.1/13.4/16.2	18.7/21.1/23.0	12.1/13.4/16.2	18.7/21.1/23.0
		Heating	Low/Medium/High	m^3/min	12.7/14.2/16.9	18.7/20.9/23.0	12.7/14.2/16.9	18.7/20.9/23.0
Sound power level	Cooling			dBA	61.0	65.0	61.0	65.0
	Heating			dBA	61.0	65.0	61.0	65.0
Sound pressure level	Cooling	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0	40.0/42.0/45.0	41.0/45.0/49.0
	Heating	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0	40.0/42.0/45.0	41.0/45.0/49.0
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				**RZAG**	**71NV1**	**100NV1**	**71NY1**	**100NY1**
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460			
Weight	Unit			kg	81	85	81	85
Sound power level	Cooling			dBA	64	66	64	66
Sound pressure level	Cooling	Nom.		dBA	46	47	46	47
	Heating	Nom.		dBA	48	50	48	50
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~52			
	Heating	Ambient	Min.~Max.	°CWB	-20 ~18			
Refrigerant	Type/GWP				R-32/675			
	Charge			kg/TCO2Eq	3.20/2.16			
Piping connections	Liquid/Gas	OD		mm	9.52/15.9			
	Piping length	OU - IU	Max.	m	55	85	55	85
		System	Equivalent	m	75	100	75	100
			Chargeless	m	40			
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32	16	

Contains fluorinated greenhouse gases

SkyAir Advance-series
BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



FAA71B



RZASG100-140MV1_MY1



BRC1H52W, BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FAA-B RZASG-MV1 RZASG-MY1

Efficiency data				FAA + RZASG	71B + 71MV1	100B + 100MV1	100B + 100MY1
Cooling capacity	Nom.			kW	6.80	9.50	
Heating capacity	Nom.			kW	7.50	10.8	
Space cooling	Energy efficiency class				A++	A+	
	Capacity	Pdesign		kW	6.80	9.50	
	SEER				6.41	5.83	
	Annual energy consumption			kWh/a	371	570	
Space heating (Average climate)	Energy efficiency class				A		
	Capacity	Pdesign		kW	4.50	6.00	
	SCOP/A				3.90	3.85	
	Annual energy consumption			kWh/a	1,615	2,182	

Indoor unit				FAA	71B	100B
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x269	340x1,200x262
Weight	Unit			kg	14.0	18
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.1/13.4/16.2	18.7/21.1/23.0
		Heating	Low/Medium/High	m^3/min	12.7/14.2/16.9	18.7/20.9/23.0
Sound power level	Cooling			dBA	61.0	65.0
	Heating			dBA	61.0	65.0
Sound pressure level	Cooling	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0
	Heating	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240	

Outdoor unit				RZASG	71MV1	100MV1	100MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	60	70	
Sound power level	Cooling			dBA	65	70	
Sound pressure level	Cooling	Nom.		dBA	46	53	
	Heating	Nom.		dBA	47	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15 ~46		
	Heating	Ambient	Min.~Max.	°CWB	-15 ~15.5		
Refrigerant	Type/GWP				R-32/675		
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	70		
			Chargeless	m	30		
	Additional refrigerant charge			kg/m	See installation manual		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240		3~/50 /380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	16

Contains fluorinated greenhouse gases

SkyAir Active-series
BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Ideal solution for small businesses and shops
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



FAA71B

AZAS100-140MV1_MY1

BRC1H52W, BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FAA-B ARXM-R AZAS-MV1 AZAS-MY1

Efficiency data					71B + ARXM 71R	100B + AZAS100MV1	100B + AZAS 100MY1
Cooling capacity	Nom./Max.			kW	6.80/6.95	9.50/-	
Heating capacity	Nom./Max.			kW	7.50/7.59	10.8/-	
Power input	Cooling		Nom.	kW	2.00	-	
	Heating		Nom.	kW	2.35	-	
Space cooling	Energy efficiency class				A+	A	
	Capacity		Pdesign	kW	6.80	9.50	
	SEER				5.77	5.25	
	Annual energy consumption			kWh/a	412	633	
Space heating (Average climate)	Energy efficiency class				A	A	
	Capacity		Pdesign	kW	4.50	6.00	
	SCOP/A				3.81	3.81	
	Annual energy consumption			kWh/a	1,652	2,205	

Indoor unit				FAA	71B	100B	100B
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x269	340x1,200x262	
Weight	Unit			kg	14.0	18	
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.1/13.4/16.2	18.7/21.1/23.0	
		Heating	Low/Medium/High	m^3/min	12.7/14.2/16.9	18.7/20.9/23.0	
Sound power level	Cooling			dBA	61.0	65.0	
	Heating			dBA	61.0	65.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0	
	Heating	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit					ARXM71R	AZAS100MV1	AZAS100MY1
Dimensions	Unit	HeightxWidthxDepth		mm	954x401x820	990x940x320	
Weight	Unit			kg	49.0	70	
Sound power level	Cooling			dBA	-	70	
Sound pressure level	Cooling	Nom.		dBA	52.0	53	
	Heating	Nom.		dBA	52.0	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 50	-5~46	
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24	-15~15.5	
Refrigerant	Type/GWP				1.15/-	R-32/675	
	Charge			kg/TCO2Eq	0.780/-	2.60/1.76	
Piping connections	Liquid/Gas OD			mm	9.52/15.9	9.52/15.9	
	Piping length	OU - IU	Max.		-	30	
		System	Equivalent		-	50	
			Chargeless		-	30	
	Additional refrigerant charge				-	See installation manual	
	Level difference IU - OU		Max.		-	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	16

Contains fluorinated greenhouse gases

perfera

Sky Air Alpha-series BLUEVOLUTION

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2-area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting. (larger capacity area)
- Onecta app: control your indoor from any location with an app, via your local network or internet
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



FTXM-R



RZAG25-60A



ARC466A33

More details and final information can be found by scanning or clicking the QR codes.

FTXM-R

RZAG-A

Efficiency data				FTXM + RZAG	35R + 35A	50R + 50A	60R + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/6.8
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.30	1.50/6.00/6.50	1.60/7.00/7.50
Space cooling	Energy efficiency class				A++		
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				7.70	7.41	6.90
	Annual energy consumption			kWh/a	159	236	304
Space heating (Average climate)	Energy efficiency class				A++		A+
	Capacity		Pdesign	kW	2.60	4.50	4.60
	SCOP/A				4.60		4.35
	Annual energy consumption			kWh/a	790	1,369	1,480

Indoor unit				FTXM	35R	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	295x778x272	299x998x292	
Weight	Unit			kg	10.0	14.5	
Air filter	Type				Removable/washable		
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.2/6.0/7.8/11.3	8.3/11.4/14/15.8	9.1/11.8/14/16.7
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.9/6.5/8.5/9.8	10.5/12.0/14.2/15.8	11.1/12.4/15.2/16.5
Sound power level	Cooling			dBA	58	58.0	60.0
	Heating			dBA	54	58.0	59.0
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/29/45	27.0/36.0/44.0	30.0/37.0/46.0
	Heating	Silent operation/Low/High		dBA	20/28/39	31.0/34.0/43.0	33.0/36.0/45.0
Control systems	Infrared remote control				ARC466A67		
	Wired remote control				BRC073A1		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections		OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Chargeless	m	30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

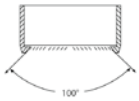
Contains fluorinated greenhouse gases

SkyAir Alpha-series BLUEVOLUTION

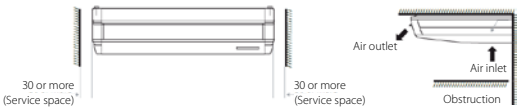
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› Reduced energy consumption thanks to specially developed DC fan motor
› 5 different fan speeds available for maximum comfort



FHA60-71A9



RZAG25-60A



BRC1H52W, BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FHA-A(9)
RZAG-A
RZAG-NV1
RZAG-NY1

Efficiency data		FHA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A9 + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Min./Nom./Max.	kW	1.70/3.50/4.50	1.70/5.00/6.00	1.90/6.00/6.80	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.	kW	1.40/4.00/5.50	1.70/5.80/6.50	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class		A++					-		A++		-	
	Capacity Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER		6.40	6.80	6.60	7.11	6.42	7.14	6.42	7.11	6.42	7.14	6.42
	ηs,c	%	-					283	254	-		283	254
	Annual energy consumption	kWh/a	191	257	318	335	518	1,017	1,253	335	518	1,017	1,253
Space heating (Average climate)	Energy efficiency class		A+				A++	-		A+	A++	-	
	Capacity Pdesign	kW	3.10	4.00	4.60	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A		4.10	4.30	4.20	4.32	4.61	4.20	4.30	4.32	4.61	4.20	4.30
	ηs,h	%	-					165	169	-		165	169
	Annual energy consumption	kWh/a	1,058	1,302	1,633	1,523	2,369	3,174	3,100	1,523	2,369	3,174	3,100

Indoor unit				FHA	35A9	50A9	60A9	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth	mm		235x960x690		235x1,270x690		235x1,590x690			235x1,270x690	235x1,590x690		
Weight	Unit		kg		26.0	27.0	32.0	34.0	41.0			34.0	41.0		
Air filter	Type				Resinnet										
Fan	Air flow rate	Cooling Low/Medium/High	m^3/min		10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating Low/Medium/High	m^3/min		10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling		dBA		53	54		55	60	62	64	55	60	62	64
Sound pressure level	Cooling	Low/Medium/High	dBA		31/34/36	32/35/37	33/35/37	34/36/38	34/38/42	37/41/44	38/42/46	34/36/38	34/38/42	37/41/44	38/42/46
	Heating	Medium/Nom./High	dBA		31/34/36	32/35/37	33/35/37	34/36/38	34/38/42	37/41/44	38/42/46	34/36/38	34/38/42	37/41/44	38/42/46
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56										
	Wired remote control				BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7										
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/220-240										

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth	mm		734x870x373			870x1,100x460							
Weight	Unit		kg		52			81	85	95		81	85	94	
Sound power level	Cooling		dBA		62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating		dBA		62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.	dBA		48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.	dBA		48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient Min.~Max.	°CDB		-20 ~ 52			-20 ~52							
	Heating	Ambient Min.~Max.	°CWB		-20 ~ 24			-20 ~18							
Refrigerant	Type/GWP				R-32/675.0			R-32/675							
	Charge		kg/TCO2Eq		1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas OD		mm		6.35/9.50	6.35/12.7		9.52/15.9							
	Piping length	OU - IU Max.	m		50			55	85			55	85		
		System Equivalent	m		-			75	100			75	100		
		Chargeless	m		30			40							
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference IU - OU Max.		m		30.0			30							
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A		-			20	32			16			

Contains fluorinated greenhouse gases

Sky Air Advance-series
BLUEVOLUTION

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- 5 different fan speeds available for maximum comfort
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FHA60-71A9



RZASG100-140MV1_MY1



BRC1H52W BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FHA-A(9) RZASG-MV1 RZASG-MY1

Efficiency data				FHA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.95	5.83		5.88	5.83		5.88
	ηs,c			%	-		230	232	-	230	232
	Annual energy consumption			kWh/a	400	570	1,246	1,368	570	1,246	1,368
Space heating (Average climate)	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.90	3.91	3.83	3.81	3.91	3.83	3.81
	ηs,h			%	-		150	149	-	150	149
	Annual energy consumption			kWh/a	1,616	2,148	2,193	2,866	2,148	2,193	2,866

Indoor unit				FHA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690					
Weight	Unit			kg	34.0	41.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating	Low/Medium/High	m^3/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling			dBA	55	60	62	64	60	62	64
Sound pressure level	Cooling	Low/Medium/High		dBA	34/36/38	34/38/42	37/41/44	38/42/46	34/38/42	37/41/44	38/42/46
	Heating	Medium/Nom./High		dBA	34/36/38	34/38/42	37/41/44	38/42/46	34/38/42	37/41/44	38/42/46
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56						
	Wired remote control				BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

Contains fluorinated greenhouse gases

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- 5 different fan speeds available for maximum comfort
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FHA100-140A9

RXM-R9

BRC1H52W BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FHA-A(9) RXM-R RXM-R9

Efficiency data					**FHA + RXM**	**35A9 + 35R9**	**50A9 + 50R**	**60A9 + 60R**
Cooling capacity	Nom.				kW	3.40	5.00	5.70
Heating capacity	Nom.				kW	4.00	6.00	7.20
Space cooling	Energy efficiency class					A++	A+	
	Capacity		Pdesign		kW	3.40	5.00	5.70
	SEER					6.24	5.92	6.08
	Annual energy consumption				kWh/a	191	295	328
Space heating (Average climate)	Energy efficiency class					A+	A	
	Capacity		Pdesign		kW	3.10	4.35	4.71
	SCOP/A					4.43	3.86	3.87
	Annual energy consumption				kWh/a	979	1,577	1,704

Indoor unit					**FHA**	**35A9**	**50A9**	**60A9**
Dimensions	Unit	HeightxWidthxDepth			mm	235x960x690		235x1,270x690
Weight	Unit				kg	26.0	27.0	32.0
Air filter	Type					Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5
		Heating	Low/Medium/High		m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5
Sound power level	Cooling				dBA	53	54	
Sound pressure level	Cooling	Low/Medium/High			dBA	31/34/36	32/35/37	33/35/37
	Heating	Medium/Nom./High			dBA	31/34/36	32/35/37	33/35/37
Control systems	Infrared remote control					BRC7GA53 / BRC7GA56		
	Wired remote control					BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		

Outdoor unit					**RXM**	**35R9**	**50R**	**60R**
Dimensions	Unit	HeightxWidthxDepth			mm	552x840x350	734x954x401	
Weight	Unit				kg	32	49.0	
Sound power level	Cooling				dBA	61	62	63
	Heating				dBA	61	62	63
Sound pressure level	Cooling	Nom.			dBA	49.0	48.0	
	Heating	Nom.			dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-10~50/46		
	Heating	Ambient	Min.~Max.		°CWB	-20~24		
Refrigerant	Type					R-32		
	GWP					675	675.0	
	Charge				kg/TCO2Eq	0.76/0.52	1.15/0.780	
Piping connections	Liquid	OD			mm	6.35	6.35	
	Gas	OD			mm	9.52	12.7	
	Piping length	OU - IU	Max.		m	20	30	
		System	Chargeless		m	10		
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.		m	15	20.0	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)				A	13	16	

Contains fluorinated greenhouse gases

SkyAir Alpha-series BLUEVOLUTION

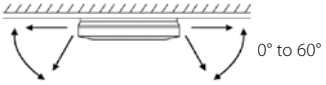
4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Unified indoor unit range for R-32 and R-410A
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- 5 different discharge angles between 0 and 60°can be programmed via the remote control

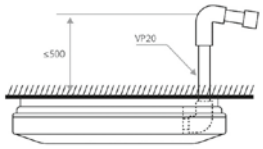


More details and final information can be found by scanning or clicking the QR codes.

FUA-A RZAG-NV1 RZAG-NY1



- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- Standard drain pump with 720mm lift increases flexibility and installation speed



Efficiency data				FUA + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	71A + 71NY1	100A + 100NY1	125A + 125NY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	6.80	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5	7.50	10.8	13.5
Space cooling	Energy efficiency class				A++		-	A++		-
	Capacity Pdesign			kW	6.80	9.50	12.1	6.80	9.50	12.1
	SEER				7.02	6.42	6.39	7.02	6.42	6.39
	ηs,c			%	-		253	-		253
	Annual energy consumption			kWh/a	339	518	1,136	339	518	1,136
Space heating (Average climate)	Energy efficiency class				A+		-	A+		-
	Capacity Pdesign			kW	4.70	7.80	9.52	4.70	7.80	9.52
	SCOP/A				4.20	4.50	4.26	4.20	4.50	4.26
	ηs,h			%	-		167	-		167
	Annual energy consumption			kWh/a	1,567	2,427	3,129	1,567	2,427	3,129

Indoor unit				FUA	71A	100A	125A	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950					
Weight	Unit			kg	25.0	26.0		25.0	26.0	
Air filter	Type				Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	-		65	-		65
Sound pressure level	Cooling	Low/Medium/High		dBA	35/38/41	39/42/46	40/43/47	35/38/41	39/42/46	40/43/47
	Heating	Low/Medium/High		dBA	35/38/41	39/42/46	40/43/47	35/38/41	39/42/46	40/43/47
Control systems	Infrared remote control				BRC7C58					
	Wired remote control				BRC1H52W/S/K / BRC1E53A/B/C / BRC1D52					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220~240					

Outdoor unit				RZAG	71NV1	100NV1	125NV1	71NY1	100NY1	125NY1
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	81	85	95	81	85	94
Sound power level	Cooling			dBA	64	66	69	64	66	69
	Heating			dBA	-		68	-		68
Sound pressure level	Cooling	Nom.		dBA	46	47	49	46	47	49
	Heating	Nom.		dBA	48	50	52	48	50	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~52					
	Heating	Ambient	Min.~Max.	°CWB	-20 ~18					
Refrigerant	Type/GWP				R-32/675					
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50	3.20/2.16		3.70/2.50
Piping connections	Liquid/Gas OD			mm	9.52/15.9					
	Piping length	OU - IU	Max.	m	55	85		55	85	
		System	Equivalent	m	75	100		75	100	
			Chargeless	m	40					
	Additional refrigerant charge			kg/m	See installation manual					
	Level difference	IU - OU	Max.	m	30					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32		16		

Contains fluorinated greenhouse gases

Sky Air Advance-series
BLUEVOLUTION

4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- Standard drain pump with 720mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FUA-A RZASG-MV1 RZASG-MY1

Efficiency data				FUA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	100A + 100MY1	125A + 125MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5	10.8	13.5
Space cooling	Energy efficiency class				A++	A+	-	A+	-
	Capacity		Pdesign	kW	6.80	9.50	12.1	9.50	12.1
	SEER				6.16	5.83	5.49	5.83	5.49
	ηs,c			%	-		217	-	217
	Annual energy consumption			kWh/a	386	570	1,322	570	1,322
Space heating (Average climate)	Energy efficiency class				A	A+	-	A+	-
	Capacity		Pdesign	kW	4.50	6.00			
	SCOP/A				3.90	4.01	3.84	4.01	3.84
	ηs,h			%	-		151	-	151
	Annual energy consumption			kWh/a	1,615	2,095	2,188	2,095	2,188

Indoor unit				FUA	71A	100A	125A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950				
Weight	Unit			kg	25.0	26.0			
Air filter	Type				Resin net				
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	-		65	-	65
Sound pressure level	Cooling	Low/Medium/High		dBA	35/38/41	39/42/46	40/43/47	39/42/46	40/43/47
	Heating	Low/Medium/High		dBA	35/38/41	39/42/46	40/43/47	39/42/46	40/43/47
Control systems	Infrered remote control				BRC7C58				
	Wired remote control				BRC1H52W/S/K / BRC1E53A/B/C / BRC1D52				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				

Outdoor unit				RZASG	71MV1	100MV1	125MV1	100MY1	125MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	60	70			
Sound power level	Cooling			dBA	65	70	71	70	71
	Heating			dBA	-		71	-	71
Sound pressure level	Cooling	Nom.		dBA	46	53			
	Heating	Nom.		dBA	47	57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5				
Refrigerant	Type/GWP				R-32/675				
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76			
Piping connections	Liquid/Gas	OD		mm	9.52 /15.9				
	Piping length	OU - IU	Max.	m	50				
		System	Equivalent	m	70				
			Chargeless	m	30				
	Additional refrigerant charge			kg/m	See installation manual				
	Level difference	IU - OU	Max.	m	30.0				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240			3~/50 /380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32	16	

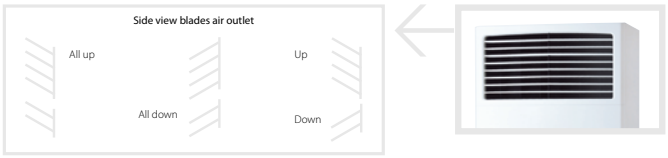
Contains fluorinated greenhouse gases

Sky Air Alpha-series BLUEVOLUTION

Floor standing unit

For commercial spaces with high ceilings

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)





More details and final information can be found by scanning or clicking the QR codes.

FVA-A RZAG-NV1 RZAG-NY1

Efficiency data			FVA + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Nom.		kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.		kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class			A++		-		A++		-	
	Capacity	Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER			6.34	6.40	6.41	6.12	6.34	6.40	6.41	6.12
	ηs,c		%	-		253	242	-		253	242
	Annual energy consumption		kWh/a	376	520	1,133	1,314	376	520	1,133	1,314
Space heating (Average climate)	Energy efficiency class			A+		-		A+		-	
	Capacity	Pdesign	kW	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A			4.05	4.20	4.15	3.94	4.05	4.20	4.15	3.94
	ηs,h		%	-		163	155	-		163	155
	Annual energy consumption		kWh/a	1,625	2,600	3,209	3,383	1,625	2,600	3,209	3,383

Indoor unit				FVA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth	mm		1,850x600x270	1,850x600x350			1,850x600x270	1,850x600x350		
Weight	Unit		kg		42	50			42	50		
Air filter	Type				Resinnet							
Fan	Air flow rate	Cooling	Low/Medium/High m^3/min		14/16/18	22/25/28	24/26/28	26/28/30	14/16/18	22/25/28	24/26/28	26/28/30
		Heating	Low/Medium/High m^3/min		14/16/18	22/25/28	24/26/28	26/28/30	14/16/18	22/25/28	24/26/28	26/28/30
Sound power level	Cooling		dBA		55	62	63	65	55	62	63	65
Sound pressure level	Cooling	Low/Medium/High	dBA		38/41/43	44/47/50	46/48/51	48/51/53	38/41/43	44/47/50	46/48/51	48/51/53
	Heating	Medium/Nom./High	dBA		38/41/43	44/47/50	46/48/51	48/51/53	38/41/43	44/47/50	46/48/51	48/51/53
Control systems	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52							
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/60/220-240/220							

Outdoor unit				RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460							
Weight	Unit		kg		81	85	95		81	85	94	
Sound power level	Cooling		dBA		64	66	69	70	64	66	69	70
	Heating		dBA		-		68	71	-		68	71
Sound pressure level	Cooling	Nom.	dBA		46	47	49	50	46	47	49	50
	Heating	Nom.	dBA		48	50	52		48	50	52	
Operation range	Cooling	Ambient Min.~Max.	°CDB		-20 ~52							
	Heating	Ambient Min.~Max.	°CWB		-20 ~18							
Refrigerant	Type/GWP				R-32/675							
	Charge		kg/TCO2Eq		3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD	mm		9.52/15.9							
	Piping length	OU - IU	Max.	m	55	85			55	85		
		System	Equivalent	m	75	100			75	100		
			Chargeless	m	40							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference IU - OU		Max.	m	30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16			

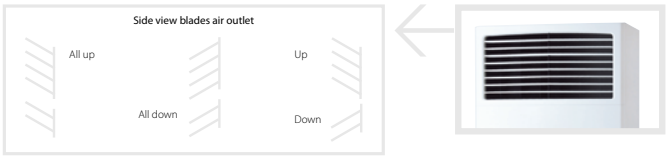
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SkyAir Advance-series
BLUEVOLUTION

Floor standing unit

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More details and final information can be found by scanning or clicking the QR codes.

FVA-A RZASG-MV1 RZASG-MY1

Efficiency data				FVA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.83	5.72	5.52	5.63	5.72	5.52	5.63
	ηs,c			%	-		218	222	-	218	222
	Annual energy consumption			kWh/a	408	581	1,314	1,428	581	1,314	1,428
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.04	3.83	3.64	3.81	3.83	3.64	3.81
	ηs,h			%	-		143	149	-	143	149
	Annual energy consumption			kWh/a	1,559	2,193	2,308	2,866	2,193	2,308	2,866

Indoor unit				FVA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350					
Weight	Unit			kg	42	50					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
		Heating	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
Sound power level	Cooling			dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	Low/Medium/High		dBA	38/41/43	44/47/50	46/48/51	48/51/53	44/47/50	46/48/51	48/51/53
	Heating	Medium/Nom./High		dBA	38/41/43	44/47/50	46/48/51	48/51/53	44/47/50	46/48/51	48/51/53
Control systems	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240				3~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

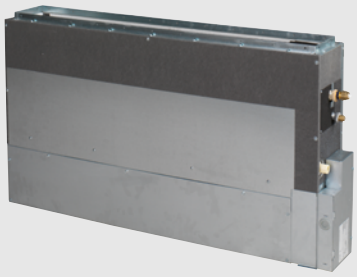
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Sky Air Alpha-series BLUEVOLUTION

Concealed floor standing unit

Designed to be concealed in walls

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Requires very little installation space as the depth is only 200mm
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- High ESP allows flexible installation



FNA-A9



RZAG25-60A



BRC1H52W BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

FNA-A9 RZAG-A

Efficiency data				FNA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50
Space cooling	Energy efficiency class					A+	
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				5.90		5.70
	Annual energy consumption			kWh/a	208	297	368
Space heating (Average climate)	Energy efficiency class					A	
	Capacity		Pdesign	kW	3.50	4.30	4.50
	SCOP/A					3.90	
	Annual energy consumption			kWh/a	1,255	1,542	1,616

Indoor unit				FNA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	620/720x790x200	620/720x1,190x200	
Weight	Unit			kg	23.0	30.0	
Air filter	Type					Resin net	
Fan	Air flow rate	Cooling	Low/High	m^3/min	7.3/8.7	13.5/16.0	
		Heating	Low/High	m^3/min	7.3/8.7	13.5/16.0	
	External static pressure	Nom./High		Pa	30/48	40/49	
Sound power level	Cooling			dBA	53.0	56.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	28.0/31.0/33.0	30.0/33.0/36.0	
	Heating	Low/Nom./High		dBA	28.0/31.0/33.0	30.0/33.0/36.0	
Control systems	Infrared remote control					BRC4C65	
	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/60/220-240/220	

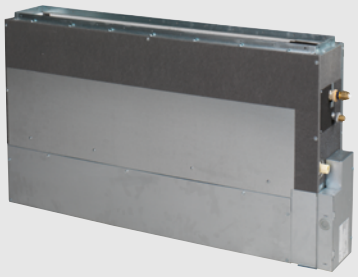
Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm		734x870x373	
Weight	Unit			kg		52	
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20~52	
	Heating	Ambient	Min.~Max.	°CWB		-20~24	
Refrigerant	Type/GWP					R-32/675.0	
	Charge			kg/TCO2Eq		1.55/1.05	
Piping connections	Liquid/Gas OD			mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m		50	
		System	Chargeless	m		30	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 30m)	
	Level difference	IU - OU	Max.	m		30.0	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	

Contains fluorinated greenhouse gases

Concealed floor standing unit

Designed to be concealed in walls

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Requires very little installation space as the depth is only 200mm
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- High ESP allows flexible installation



FNA-A9



RXM-R



BRC1H52W BRP069C81

More details and final information can be found by scanning or clicking the QR codes.

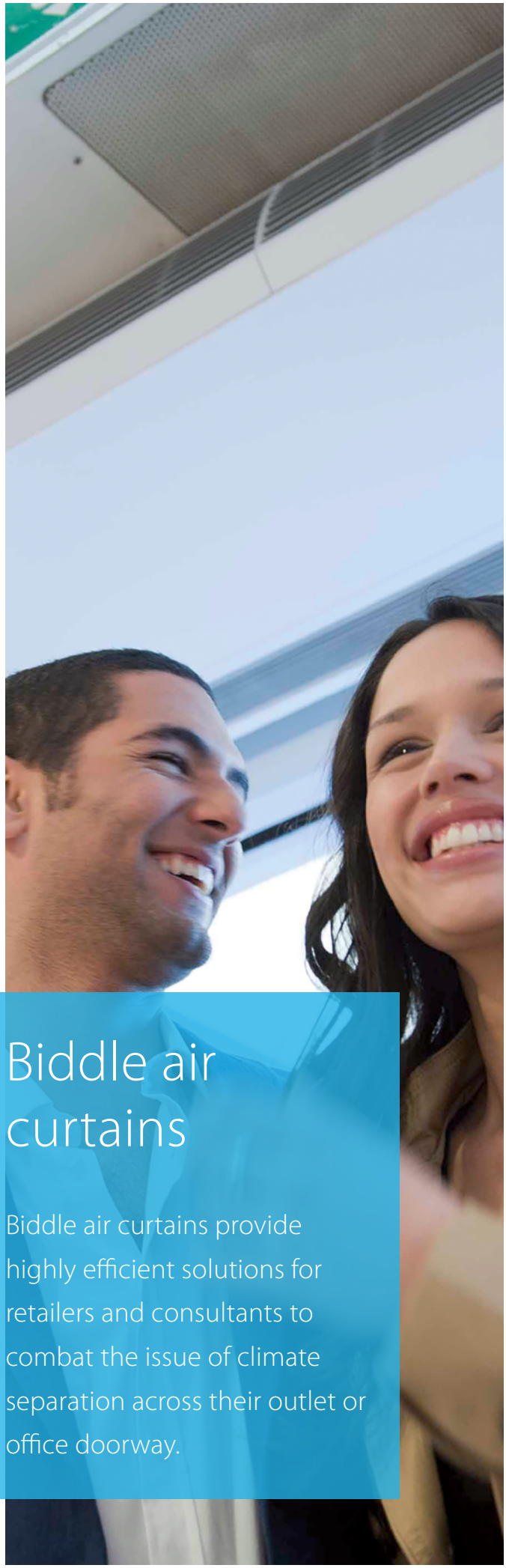
FNA-A9 RXM-R RXM-R9

Efficiency data				FNA + RXM	25A9 + 25R9	35A9 + 35R9	50A9 + 50R	60A9 + 60R
Cooling capacity	Nom.			kW	2.60	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Space cooling	Energy efficiency class					A+		A
	Capacity		Pdesign	kW	2.60	3.40	5.00	6.00
	SEER				5.68	5.70	5.77	5.56
	Annual energy consumption			kWh/a	160	209	303	378
Space heating (Average climate)	Energy efficiency class					A+		
	Capacity		Pdesign	kW	2.80	2.90	4.00	4.60
	SCOP/A				4.24	4.05	4.09	4.16
	Annual energy consumption			kWh/a	924	1,002	1,368	1,547

Indoor unit				FNA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	620 (1)/720x790x200		620 (1)/720x1,190x200	
Weight	Unit			kg	23.0		30.0	
Air filter	Type				Resin net			
Fan	Air flow rate	Cooling	Low/High	m^3/min	7.3/8.7		13.5/16.0	
		Heating	Low/High	m^3/min	7.3/8.7		13.5/16.0	
	External static pressure	Nom./High		Pa	30/48		40/49	
Sound power level	Cooling			dBA	53.0		56.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	28.0/31.0/33.0		30.0/33.0/36.0	
	Heating	Low/Nom./High		dBA	28.0/31.0/33.0		30.0/33.0/36.0	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			

Outdoor unit				RXM	25R9	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350		734x954x401	
Weight	Unit			kg	32		49.0	
Sound pressure level	Cooling	Nom.		dBA	46.0	49.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 46			
	Heating	Ambient	Min.~Max.	°CWB	-15 ~ 24			
Refrigerant	Type				R-32			
	GWP				675		675.0	
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.780	
Piping connections	Liquid	OD		mm	6.35		6.35	
	Gas	OD		mm	9.52		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10			
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	13		16	

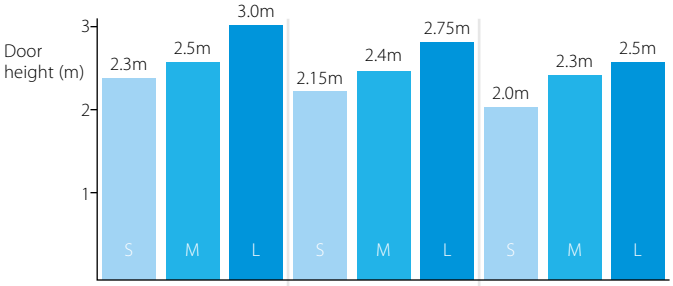
(1)Including installation legs | Contains fluorinated greenhouse gases



Biddle air curtains

Biddle air curtains provide highly efficient solutions for retailers and consultants to combat the issue of climate separation across their outlet or office doorway.

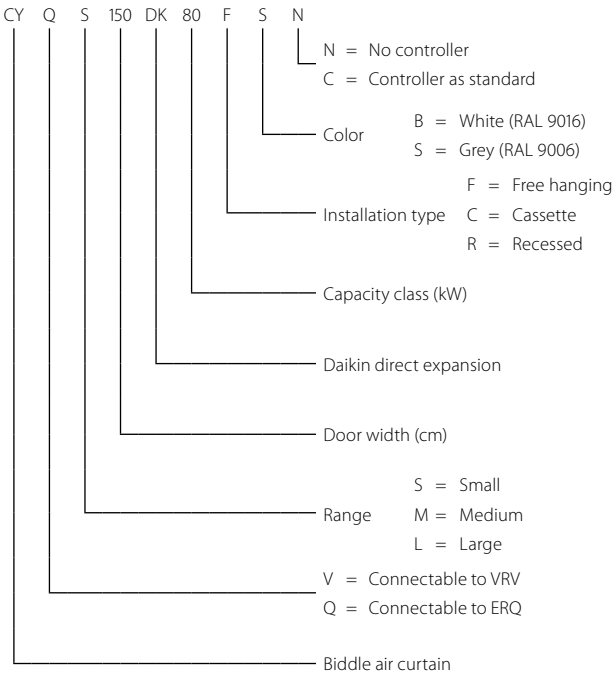
Biddle air curtain portfolio



Installation condition	Favourable	Normal	Unfavourable
	ex: covered shopping mall or revolving door entrance	ex: little direct wind, no opposite open doors, building with ground floor only	ex: location at a corner or square, multiple floors and / or open stairwell

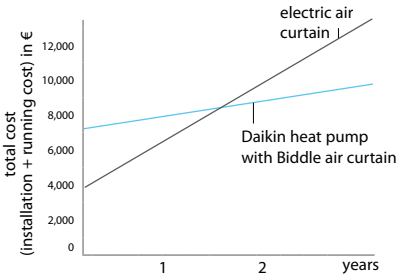
Type	Product name	Features	
Biddle standard air curtain free hanging	CYQ S/M/L-DK-F	- CYQ - Biddle air curtain for connection to ERQ - Connectable to ERQ heat pump - Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible - Free-hanging model (F): easy wall mounted installation - Recessed model (R): neatly conceiled in the ceiling - A payback period of less than 1.5 years compared to installing an electric air curtain - Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required	
Biddle standard air curtain cassette	CYQ S/M/L-DK-C		
Biddle standard air curtain recessed	CYQ S/M/L-DK-R		

Biddle air curtain nomenclature



Biddle air curtain for ERQ

- Connectable to ERQ heat pump
- ERQ is among the first DX systems suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity





CYQM150DK80FSN



CYQM150DK80CSN



CYQM150DK80RSN

More details and final information can be found by scanning or clicking the QR codes.

CYQ

Outdoor units portfolio for connection to Biddle air curtains

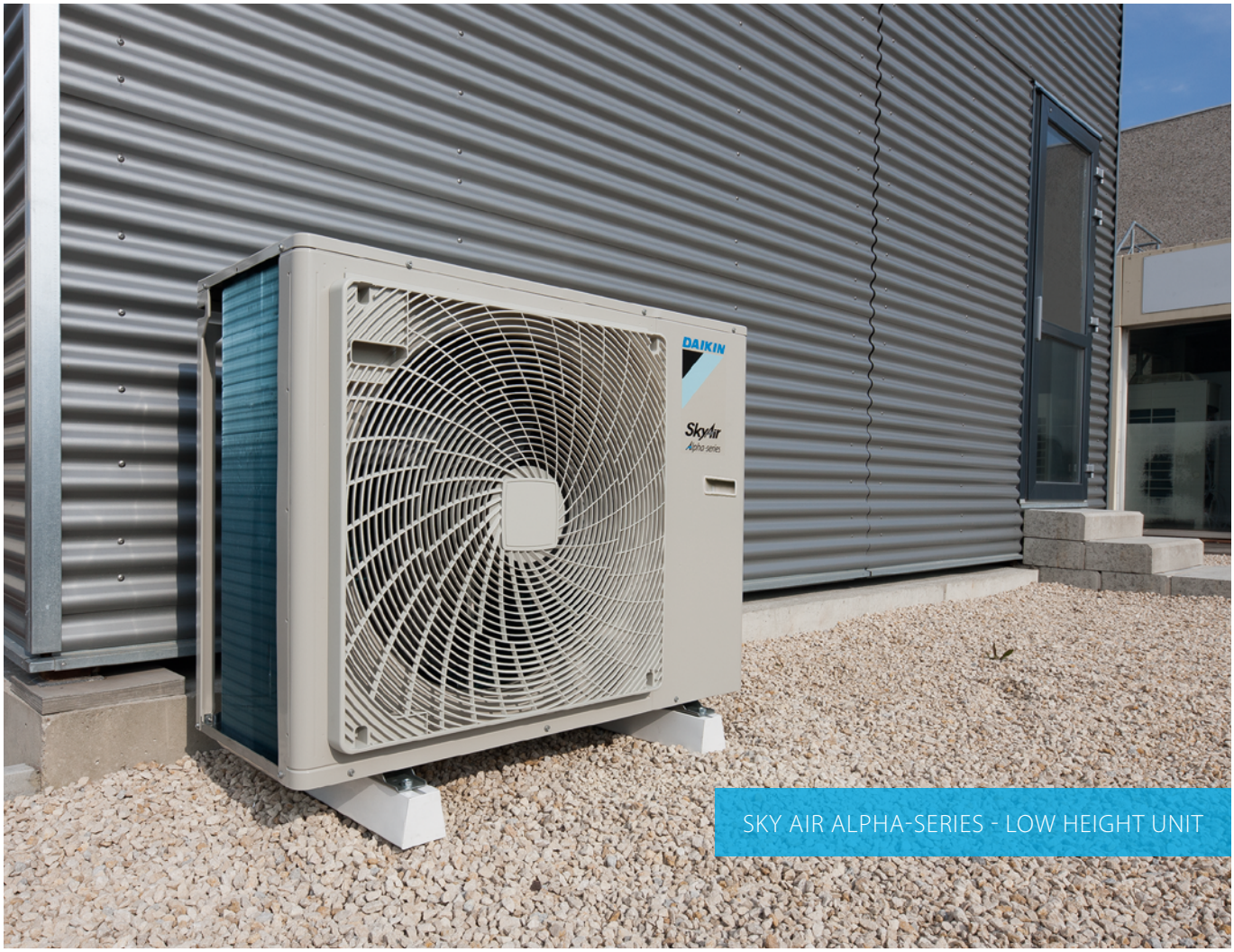
System	Type	Product name	Condensing units		71	100	125	140	200	250
Air cooled	Heat pump	ERQ-AV1 [1] Condensing Units	- High efficiency - High comfort levels - Easy design and installation - Maximize installation flexibility by offering 4 types of control systems			●	●	●		
		ERQ-AW1 [1] Condensing Units					●		●	●

1) Only use the condensing units in combinations with an air handling unit.

				Small			Medium			
				CYQS150DK80 *BN/*SN	CYQS200DK100 *BN/*SN	CYQS250DK140 *BN/*SN	CYQM100DK80 *BN/*SN	CYQM150DK80 *BN/*SN	CYQM200DK100 *BN/*SN	CYQM250DK140 *BN/*SN
Heating capacity	Speed 3		kW	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006						
Dimensions	Unit	Height F/C/R	mm	270/270/270						
		Width F/C/R	mm	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561						
Required ceiling void >			mm	420						
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m^3/h	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	49	50	51	50	51	53	54
Refrigerant	Type / GWP			R-410A / 2,087.5						
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0		9.52/19.0	9.52/16.0			9.52/19.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)						
Power supply	Voltage		V	230						

				Large			
				CYQL100DK125*BN/*SN	CYQL150DK200*BN/*SN	CYQL200DK250*BN/*SN	CYQL250DK250*BN/*SN
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Speed 3		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm	370/370/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	774/1,105/745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating	Speed 3	m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57
Refrigerant	Type / GWP			R-410A / 2,087.5			
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0	9.52/19.0	9.52/22.0	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)			
Power supply	Voltage		V	230			

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only
(3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway



SKY AIR ALPHA-SERIES - LOW HEIGHT UNIT



LOW SOUND ENCLOSURE FOR SKY AIR
ALPHA-SERIES (RZAG-N) AND ADVANCE-SERIES (RZA-D)

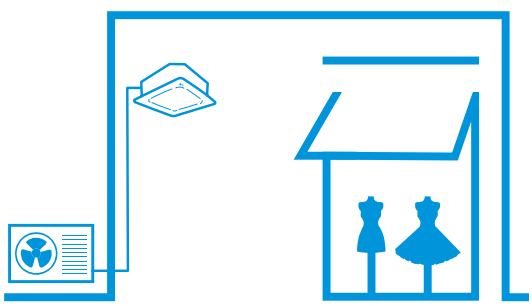
Outdoor units

A range of industry leading technology outdoor units

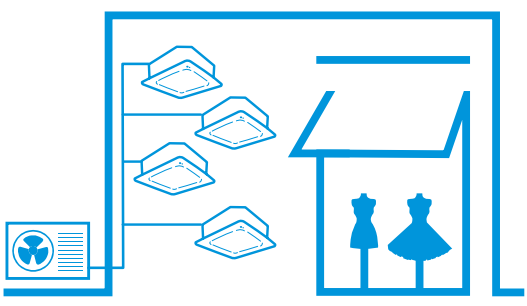
Products overview outdoor units 444
Benefits overview outdoor units 445
Sky Air A-series 446
Low sound enclosure 447
Variable Refrigerant Temperature 448
Replacement technology 449

R-32 Bluevolution range 450
RZAG-A Sky Air Alpha-series 450
RZAG-NV1/NY1 Sky Air Alpha-series 450
RZASG-MV1/MY1 Sky Air Advance-series 451
RZA-D Sky Air Advance-series 452
ARXM-R/
AZAS-MV1/MY1 Sky Air Active-series 453
Multi model and VRV range
See Split or VRV chapter
Options & Accessories 454

Pair solution



Twin, triple, double twin solution



Products overview outdoor units



Pair, twin, triple & double twin application

BLUEVOLUTION

R-32 Sky Air A-series

System	Type	Model	Product name	35	50	60	71	100	125	140	200	250
				3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW		
Air cooled	Heat pump	**Sky Air Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	RZAG-A RZAG-NV1/NY1									
		Sky Air Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZASG-MV1/MY1									
			RZA-D									
		Sky Air Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-R AZAS-MV1/MY1									

Benefits overview outdoor units

			Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series
			RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
							
We care icons	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.	A++ (A+++ - D)	A++ (A+++ - D)	A+ (A+++ - D)	-	A (A+++ - D)
	Inverter technology	Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.	●	●	●	●	●
	Replacement technology	Quick and quality system replacement in the most cost effective way	●	●	●	●	●
Comfort	Night quiet	Lowers the operation sound of the outdoor unit automatically.	●	●	●	●	●
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●	●	●
Other functions	Variable refrigeration temperature	The intelligent systems ensures highest energy savings with additional comfort to better suit application requirements.		●			
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.		●	●	●	
	Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	●	●	●	●	●
	Guaranteed operation down to -20°C	Daikin is suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.	●	●		●	
	Infrastructure cooling	For high sensible, infrastructure cooling applications, dedicated infrastructure cooling settings and allowing asymmetric combinations enhance the system's reliability.	●	●			
	Low sound enclosure	Dedicated Daikin developed and tested low sound enclosure, reducing sound power by up to -10 dB(A)		o		o	

Technical benefit overview

Sky Air A-series

	Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series
	RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
Compact single fan casing on the entire range	●	●	●	●	●
Maximum piping length	50 m	85 m	50 m	100 m	30 m
Pivoting front plate		●	●	●	●
7 segment display		●	●	●	●
Increased factory charge	●	●			
Integrated leak check		●			
Refrigerant bottom plate pass		●			
Specially deveoloped R-32 swing compressor	●	●	●	●	●
Refrigerant cooled PCB		●	●	●	●
Intelligent Tablet controller - Onecta app	o	o	o	o	o

● standard, o optional

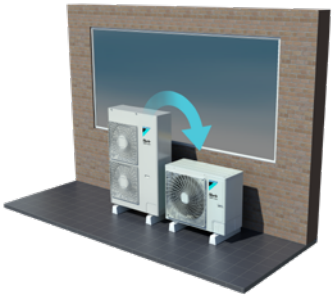
SkyAir Advance-series

SkyAir Alpha-series

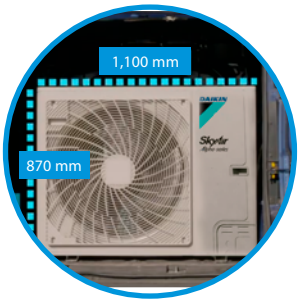
Low height. High value.



Unique, low-height single fan range



Compact unit, easy to transport



Market-leading serviceability and handling



Fast and easy access to all critical component

- Single screw access
- Wider access area



Newly positioned handle for easier carrying



Low sound enclosure

EKLN140A

– 10 dB(A)!

Benefits

Dedicated Daikin option for:
- Sky Air Alpha-series
- Sky Air Advance-series
- VRV 5 S-series

Fully optimised and tested in Daikin factory
- Guaranteed performance levels (sound, capacity, efficiency)

Outdoor unit sound reduction of up to -10 dB(A) on sound power levels
- Enabling to meet local sound requirements
- Increased flexibility to apply outdoor units
- Reduces sound on the entire sound spectrum

Minimal capacity reduction
- Separated air intake and discharge to prevent air flow short circuit
- No additional calculations needed thanks to factory tested data

Easy to integrate
- Anthracite (RAL 7016), highly aesthetic finishing
- Mechanically designed to perfectly suit the Sky Air Alpha/ Advance and VRV 5 S-series casings
- Self-supporting; can be installed on any flat surface

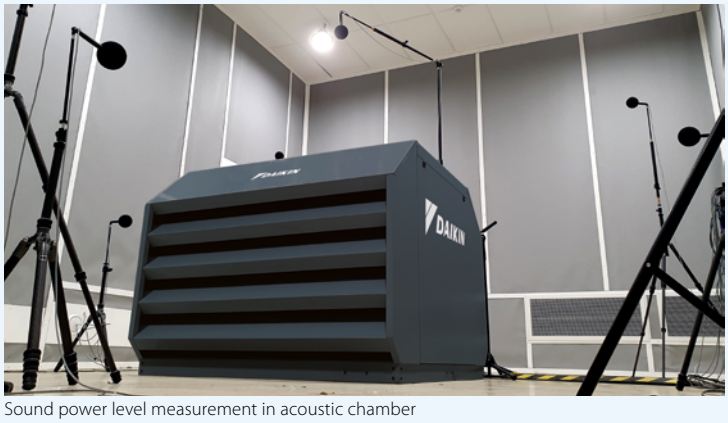
Fast & easy installation & servicing
- 100 % weather resistant
- Easy opening to access most system components

Durable
- 3 years warranty on all components
- Made of stainless steel with robust double layer powder coating, ensuring maximum corrosion resistance

Tried and tested: values that you can rely on

Our low sound enclosure eliminates possible problems and reduces your workload significantly:

- **No incompatibilities** – tested combinations with the outdoor unit that you want to encase
- **No surprises** – measured and guaranteed sound reduction according to ISO 3744
- **No calculations** – tested performance values for capacity and efficiency



Sound power level measurement in acoustic chamber



Sound enclosure				EKLN140A
Casing	Colour			Anthracite (RAL 7016)
	Material			Sheet metal
Dimensions	Unit	Height	mm	1,100
		Width	mm	1,400
		Depth	mm	1,500
	Packed unit	Height	mm	1,017
		Width	mm	1,517
		Depth	mm	917
Weight	Unit		kg	152
	Packed unit		kg	186
Combines with	Sky Air Alpha-series			RZAG-NV1/NY1
	Sky Air Advance-series			RZA-D
	VRV 5 S-series			RXYSA-AV1/AY1

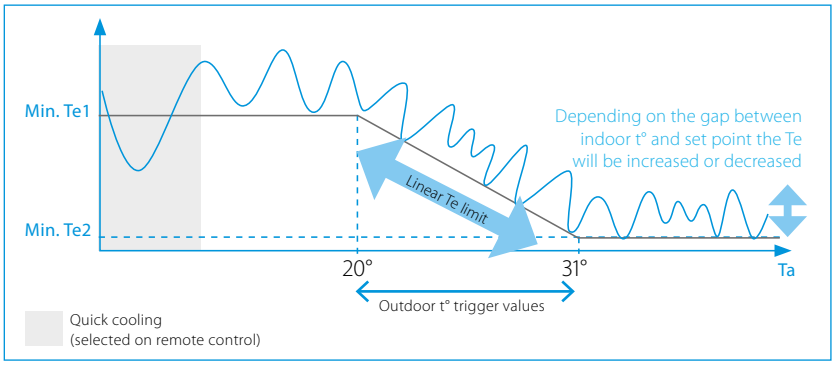


Variable Refrigerant Temperature

The ultimate customer experience

- ☑ Increases air discharge temperature and eliminates cold drafts!
- ☑ Increased customer comfort and reduced energy consumption!

› The system automatically increases its evaporating temperature (Te) when the gap between the actual indoor temperature (Tin) and the setpoint (Tset) is becoming smaller, increasing comfort and providing more stable operation

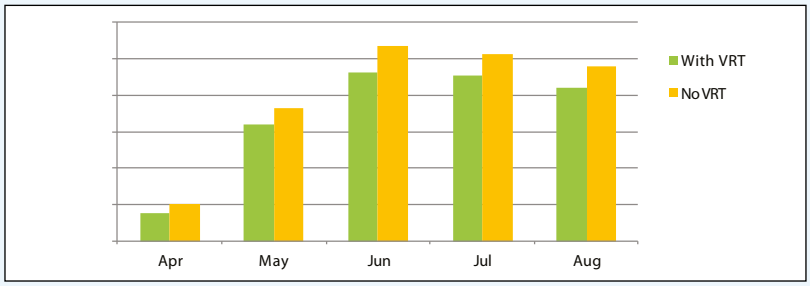


Case study: JBC, Vilvoorde

- ☑ Two pair systems are installed in the same zone allowing comparison

- ☑ More energy efficient: up to 20% lower energy consumption

Average energy consumption over 5 months of operation



- ☑ Improved comfort: higher discharge temperatures

› More stable and continuous operation
› Average discharge temperature increased with 3~4°C





Replacement technology

The quick and quality way of upgrading R-22 and R-410A systems

Benefits to increase your profit

Optimise your business

Less installation time
Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs
Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems

NON DAIKIN > DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three
A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody gains.

The benefits will convince your customer

- ☑ To prevent unexpected breakdown
- ☑ To lower running costs
- ☑ To protect the environment
- ☑ To improve comfort

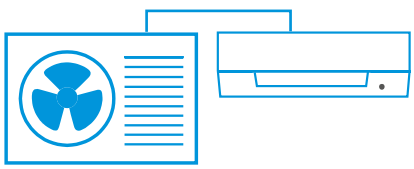
Your copper pipes will last for multiple generations

- copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.

How does it work?

The Daikin low-cost upgrade solution

! Replace indoor units
Contact your local dealer to check compatibility in case you need to keep the indoor units.

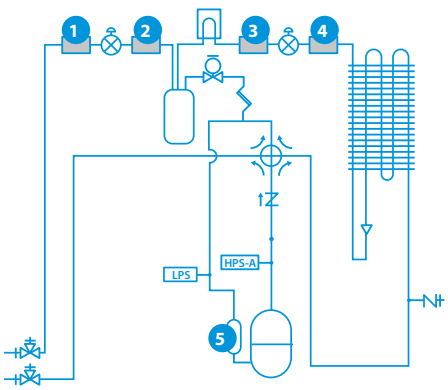


✓ Replace outdoor units

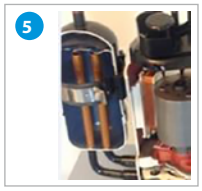
Learn more about Daikin replacement solutions at www.daikin.eu/en_us/knowledge-center/replacement-technology.html

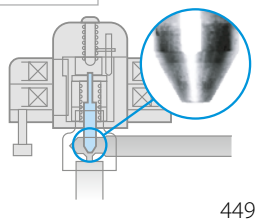
Unique technologies

› Cleaning free piping re-usage thanks to unique hepta filtering for maximum particle reduction









› New expansion valve needle material, with high corrosion resistance
› New type oil for maximum system protection

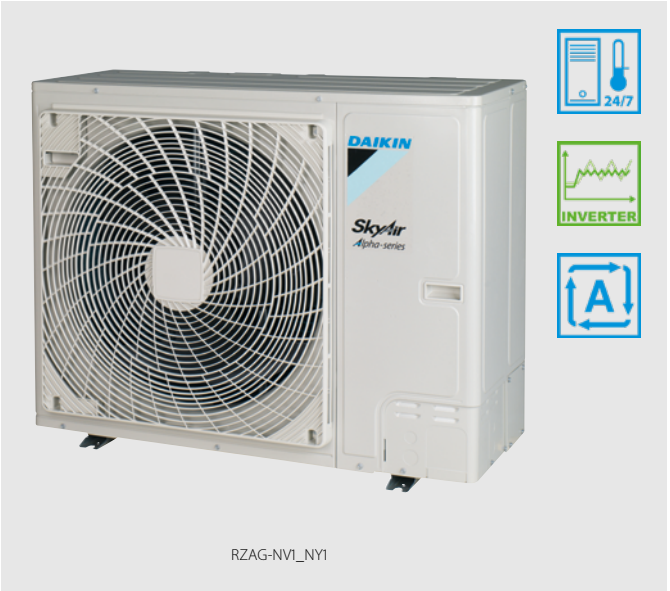
R-32

SkyAir Alpha-series BLUEVOLUTION

Sky Air Alpha-series

Industry leading technology for commercial applications and even for technical rooms

- Unique, low-height single fan range
- Compact dimensions allow almost unoticeable installation
- Market-leading serviceability and handling, thanks to wide access area, 7-segment display and additional handle
- The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.
- Suits high sensible, infrastructure cooling applications
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -20°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 85m (50m for RZAG-A)
- Outdoor units for pair, twin, triple, double twin application
- Combines with EKLN-A low sound enclosure



RZAG-NV1_NY1

Comfort cooling combination table

		FCAHG-H				FCAG-B							FFA-A9			FDA-A	FDXM-F9			FBA-A(9)							FHA-A(9)								FAA-B		FTXM-R				FUA-A			FNA-A9			FVA-A			
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	35	50	60	71	71	100	125	35	50	60	71	100	125	140
RZAG35A						P							P				P			P							P										P							P						
RZAG50A							P							P				P			P							P										P							P						
RZAG60A								P							P				P			P							P										P							P				
RZAG71NV1	RZAG71NY1	P				2			P				2				2			2			P				2			P				P						P			2			P			
RZAG100NV1	RZAG100NY1		P			3	2			P			3	2			3	2		3	2			P			3	2			P				P						P			3	2			P		
RZAG125NV1	RZAG125NY1			P		4	3	2			P		4	3	2	P	4	3	2	4	3	2			P		4	3	2			P											P	4	3	2			P	
RZAG140NV1	RZAG140NY1	2			P	4	3		2			P	4	3			4	3		4	3		2			P	4	3		2			P	2						2			4	3		2			P

P = pair application; 2/3/4 = twin/triple/double twin application

Infrastructure cooling combination table

		FTXM-R				FAA-B		FHA-A(9)					FBA-A(9)							FDXM-F9		FUA-A			FNA-A9			FVA-A				FFA-A9			FCAHG-H				FCAG-B							
capacity class		35	50	60	71	71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG35A			P						P							P							P					P									P										
RZAG50A				P						P							P							P						P							P										
RZAG60A					P						P							P							P													P									
RZAG71NV1	RZAG71NY1						P	3	2			P			3	2			P			3	2			P		3	2			P			3	2			P			3	2			P		
RZAG100NV1	RZAG100NY1					2		4	3		2				P	4	3		2			P	4	3		2			4	3			P	4	3		2			P	4	3		2			P
RZAG125NV1	RZAG125NY1					2		4	3		2				P	4	3		2			P	4	3		2			4	3			P	4	3		2			P	4	3		2			P
RZAG140NV1	RZAG140NY1					2		4	3		2				P	4	3		2			P	4	3		2			4	3			P	4	3		2			P	4	3		2			P

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

More details and final information can be found by scanning or clicking the QR codes.

RZAG-A RZAG-NV1 RZAG-NY1

Indoor Unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0	-		68 (1)	71 (1)	-		68 (1)	71 (1)
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~ 52			-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24			-20 ~18							
Refrigerant	Type/GWP				R-32/675.0			R-32/675							
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/ Gas	OD		mm	6.35/9.52	6.35/12.7		9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU	Max.	m	30.0			30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			20	32			16			

(1)According to ENER Lot 21 | Contains fluorinated greenhouse gases

R-32

Sky Air Advance-series BLUEVOLUTION

Sky Air Advance-series

Technology and comfort combined for commercial applications

- High efficiency:
  - Energy labels up to A++ (cooling) / A+ (heating)
  - compressor offers substantial efficiency improvements
- Very compact and easy to install
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -15°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 50m, minimum piping length has no limitation
- Outdoor units for pair, twin, triple, double twin application



RZASG100-140MV1_MY1

Pair, twin, triple and double twin application

		FCAG-B							FFA-A9			FDXM-F9			FBA-A(9)						
capacity class		35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZASG71MV1		2			P				2			2			2			P			
RZASG100MV1	RZASG100MY1	3	2			P			3	2		3	2		3	2			P		
RZASG125MV1	RZASG125MY1	4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZASG140MV1	RZASG140MY1	4	3		2			P	4	3		4	3		4	3		2			P

		FDA-A	FHA-A(9)							FUA-A			FAA-B		FVA-A				FNA-A9		
capacity class		125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60
RZASG71MV1			2			P				P			P		P				2		
RZASG100MV1	RZASG100MY1		3	2			P				P			P		P			3	2	
RZASG125MV1	RZASG125MY1	P	4	3	2			P				P					P		4	3	2
RZASG140MV1	RZASG140MY1		4	3		2			P	2			2		2			P	4	3	

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin

More details and final information can be found by scanning or clicking the QR codes.

RZASG-MV1 RZASG-MY1

Outdoor Unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90 /1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240				3~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

(1)According to ENER Lot 21 | Contains fluorinated greenhouse gases

R-32

Sky Air Advance-series BLUEVOLUTION

Sky Air Advance-series

Large Sky Air system for commercial applications in the most compact casing ever

- Compact (870mm high) and lightweight single fan design makes the unit unobtrusive, saves space and is easy to install
- Market-leading serviceability and handling, thanks to wide access area, 7-segment display and additional handle
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has a lower refrigerant charge
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in heating mode down to -20°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 100m
- Maximum installation height difference up to 30m
- Outdoor units for pair, twin, triple, double twin application
- Combines with EKLN-A low sound enclosure



RZA-D

Comfort cooling combination table

	FCAG-B					FFA-A9		FDXM-F9		FBA-A(9)					FHA-A(9)					FDA-A			FUA-A			FAA-B		FNA-A9	
capacity class	50	60	71	100	125	50	60	50	60	50	60	71	100	125	50	60	71	100	125	125	200	250	71	100	125	71	100	50	60
RZA200D	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2			P		3	2		3	2	4	3
RZA250D		4			2		4		4		4			2		4			2	2		P			2				4

More details and final information can be found by scanning or clicking the QR codes.

RZA-D

Indoor Unit				RZA	200D	250D
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460	
Weight	Unit			kg	117	
Sound power level	Cooling			dBA	73	76
	Heating			dBA	76	79
Sound pressure level	Cooling	Nom.		dBA	53	57
	Heating	Nom.		dBA	60	63
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~46	
	Heating	Ambient	Min.~Max.	°CWB	-20 ~15	
Refrigerant	Type/GWP				R-32/675	
	Charge			kg/TCO2Eq	5 /3.38	
Piping connections	Liquid/ Gas	OD		mm	9.52 /22.2	
	Piping length	OU - IU	Max.	m	100	
		System	Chargeless	m	30	
	Additional refrigerant charge			kg/m	See installation manual	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	

Contains fluorinated greenhouse gases

R-32

SkyAir Active-series BLUEVOLUTION

Sky Air Active-series

Ideal solution for busy environments and small shops

- High efficiency:
  - Energy labels up to A+ (cooling) / A (heating)
  - compressor offers substantial efficiency improvements
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Very compact and easy to install
- Replace existing systems with R-32 technology without needing to replace the piping



- Guarantees operation in heating mode down to -15°C and in cooling mode down to -5°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Piping length up to 30m
- Exclusively offered for pair applications



AZAS100-140MV1_MY1

Pair application

	FCAG-B				FBA-A(9)				FAA-B				ADEA-A		
Capacity class	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125
ARXM-R	P				P				P				P		
AZAS-MV1		P	P	P		P	P	P		P				P	P
AZAS-MY1		P	P	P		P	P	P		P					

P = pair application

More details and final information can be found by scanning or clicking the QR codes.

ARXM-R AZAS-MV1 AZAS-MY1

Outdoor Unit					ARXM71R	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320					
Weight	Unit			kg	49.0	70		78	70		77
Sound power level	Cooling			dBA	-	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52.0	53		54	53		54
	Heating	Nom.		dBA	52.0	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 50	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24	-15~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.780	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas OD			mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	30						
		System	Equivalent	m	-	50					
			Chargeless	m	-	30					
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference	IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32		16		

Contains fluorinated greenhouse gases

Options - Sky Air

		FCAHG-H FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)
	INDOOR UNITS				
Panels	Decoration panel (obligatory for cassette units, optional for others)	Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(1) / BYCQ140EB (black) Auto cleaning panels(2) (4): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60CW (white) BYFQ60CS (silver) BYFQ60B3 (standard)		
	Panel spacer for reducing required installation height		KDBQ44B60 (only for standard panel)		
	Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140 (11)	BDBHQ44C60		
	Sensor kit	BRYQ140B (white) BRYQ140BB (black) BRYQ140C (white designer) BRYQ140CB (black designer)	BRYQ60AW (white)(9) BRYQ60AS (silver)(9)		
Individual control systems	Onecta app	BRP069C82 (14) (18)	BRP069C81 (18)	BRP069C81	BRP069C81 (18)
	Infrared remote control (incl. receiver)	BRC7FA532F (white) (11) (16) BRC7FA532FB (black) (11) (16) BRC7FB532F (designer white) (11) (16) BRC7FB532FB (designer black) (11) (16)	BRC7EB530W for standard panel (5)(6) BRC7F530W for white panel (5)(6) BRC7F530S - for silver panel (5)(6)	BRC4C65	BRC4C65
	Madoka **BRC1H519W7** (9) (White) / **BRC1H519S7** (9) (Silver) / **BRC1K519K7** (9) (Black) User-friendly wired remote controller with premium design	●	●	●	●
	BRC1E53A/B/C (3) (13) - Wired remote controller with full-text interface and back-light	●	●	●	●
Centralised control systems	DIII-net connection - for connection to centralized control	standard	standard	standard	standard
	DCC601A51 - intelligent Tablet Controller	●	●	●	●
	DCS601C51 (13) - intelligent Touch Controller	●	●	●	●
	DCS302C51 (13) - Central remote controller	●	●	●	●
	DCS301B51 (13) - Unified ON/OFF controller	●	●	●	●
Building Management System & Standard protocol interfaces — **for individual control**	**RTD-NET** - Modbus interface for monitoring and control	●	●	●	●
	RTD-10 - Modbus interface for infrastructure cooling	●	●	●	●
	RTD-20 - Modbus interface for retail	●	●	●	●
	RTD-HO - Modbus interface for hotel	●	●	●	●
	KLIC-DI - KNX Interface	●	●	●	●
for central control	**DCM601B51** - intelligent Touch Manager	●	●	●	●
	EKMBDXB - Modbus interface	●	●	●	●
	DCM010A51 - Daikin PMS interface	●	●	●	●
	DMS502A51 - BACnet Interface	●	●	●	●
	DMS504B51 - LonWorks Interface	●	●	●	●
Filters	Auto cleaning filter	see deco panel		BAE20A62 (25 - 35) BAE20A102 (50 - 60)	
	UV Streamer kit (purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy indoor environment)	BAEF125AWB (22)			
	Replacement high efficiency filter	BAF552AA160 ePM10 60% (11) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10: box of 10 filter)			
	Replacement long-life filter, non-woven type	KAF5511D160	KAF441C60		
	Filter chamber				
Wiring and sensors	Extension wire auto cleaning panel (required when auto cleaning panel AND Onecta app are both installed)				
	KRCS - External wired temperature sensor	KRCS01-5B	KRCS01-4	KRCS01-4	KRCS01-4
	K.RSS - External wireless temperature sensor	SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)	●		●
Wiring and sensors Adapters	Wiring adapter with 2 output signals (compressor/ Error, Fan output)	KRP1BA58 (10)(11)	KRP1B57 (10)	KRP1B56 (10)	
	Adapter (interlock for fresh air intake fan)				KRP1B54
	Adapter with 4 output signals (compressor / Error, Fan, Aux, heater, Humidifier output)	EKRP1C12 (10)(11)	EKRP1B2		EKRP1B2 (7)
	Adapter for centralised external monitoring/control (controls 1 entire DIII-NET system)			KRP2A53 (10)	KRP2A51 (7)(10)
	Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)	KRP4A53 (10)(11)(17)	KRP4A51	KRP4A54-9	KRP4A52 (10)
	Adapter for keycard and/or window contact connection (in combination with BRC1H*, BRC1/2/3E* only)	BRP7A53	BRP7A53	BRP7A54 (10)	BRP7A51 (12)
	Installation box/Mounting plate for adapter PCBs (when there is no space in the switchbox, an installation box is required)	KRP1H98A (11)	KRP4A93	KRP1BC101	KRP1BC101
	Wiring kit for Remote ON/OFF or Forced OFF	standard	standard	standard	standard
Others	Drain pump kit				
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)			●	●
	L-type piping kit (upward direction)				
	Fresh air intake kit (direct installation type)	KDDP55C160-1 (chamber) KDDP55D160-2 (diffuser) (11)	KDDQ44XA60		
	Air discharge adapter for round duct				KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A (100-140)

(1) Dirt formation is more easily visible on white insulation. It is recommended not to install this option in environments with a high concentration of dirt.
(2) To be able to control option BYCQ140EG(F)/EGFB, controller BRC1H*, BRC1E* is needed. These options cannot be combined with RXYSQ*, multi or non-inverter split units
(3) Included languages are:
A: English, German, French, Dutch, Spanish, Italian and Portuguese
B: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian
C: English, Greek, Polish, Russian, Albanian, Slovak and Turkish
(4) The option is intended exclusively for use in fine dust enviornments (e.g. Clothing shops). Do not use it in environments that are greasy or have high humidity. F = finer mesh
(5) Sensing function is not available
(6) Individual flap control function not available
(7) If installing an electrical heater, an option PCB for external electrical heater (EKRP1B2) for each indoor unit is required. These options require mounting plate KRP4A96. Electrical heaters and humidifiers are field-supplied. Do not install them inside the equipment.
(8) Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.

FDA125A	FDA200-250A	ADEA-A	FAA-B	FTXM-R	FHA-A(9)	FUA-A	FVA-A	FNA-A9
BYBS125D (19)						KDBTP49B140		
						KDBHP49B140		
BRP069C81 (18)	BRP069C82 (20)	BRP069C81 (18)	BRP069C81 (18)	Integrated in PCB	BRP069C81 (18)	BRP069C81 (18)	BRP069C81 (18)	BRP069C81 (18)
BRC4C65	BRC4C65	BRC4C65	BRC7EA631 (71 class) BRC7EA632 (100 class)	ARC466A67	BRC7GA53-9	BRC7C58		BRC4C65
●	●	●	●		●	●	●	●
●	●	●	●	● (BRC073A1) BRCW901A03/A08 extention cords available) (15)	●	●	●	●
standard	standard	standard	standard	KRP928BB2S (15)	standard	standard	standard	standard
●	●	●	●		●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (KLIC DD) (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
	BAFL502A250 (20)				KAF501B56 (35-50) KAF501B80 (60-71) KAF501B160 (100-140)	KAF5511D160	KAFJ95L160	
	BDD500B250							
KRCS01-4	KRCS01-6B	KRCS01-4	KRCS01-4		KRCS01-4	KRCS01-4		KRCS01-4
●	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	●			●	●		●
	KRP4A51 (17)		KRP4A51 (10)	KRP413AB1S (15)			KRP1B57 (10)	
KRP1C64 (8)	KRP1C65	KRP1B54			KRP1B54 (10)			
EKRP1B2 (7)	EKRP1C13	EKRP1B2 (7)						KRP1B56
KRP2A51 (8)	KRP2A51 (17)	KRP2A51 (7)(10)						
		KRP4A52 (10)	KRP4A51 (10)		KRP4A52 (10)	KRP1B97	KRP4A52 (10)	KRP4A54-9
BRP7A54 (8)	BRP7A54	BRP7A51 (12)	BRP7A51 (10)		BRP7A52 (10)	BRP7A53 (10)	BRP7A52 (10)	
KRP4A96		KRP1BC101	KRP4B93		KRP1D93A (21)	KRP1BA97	KRP4AA95	KRP1BB101
EKRORO3		standard	standard		EKRORO4	EKRORO5	standard	standard
	BDU510B250VM		K-KDU572KVE		KDU50R63 (35 - 60) KDU50R160 (71 - 140)			
		●						
					KHFP5MA35 (35) KHFP5N63 (50-60) KHFP5N160 (71-140)			
KDAJ25K140A		KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A (100-140)						

(9) This option cannot be used with RR and RQ models
(10) Requires installation box for adapter PCB, refer to table for model code
(11) This option cannot be combined with BYCQ140EG(F)/EGFB
(12) Maximum 2 optional PCBs can be mounted
(13) Applicable boxes (KJB*) to mount controllers can be found in the controls option list
(14) Extention wire (EWHAR1) is needed if both auto cleaning panel AND Onecta app are connected
(15) Wire harness EKRS21 needed. Standard Wireless LAN needs to be turned off to use these controllers
(16) The active airflow circulation function is not available for this controller
(17) This option cannot be combined with Onecta app
(18) Only possible in combination with wired or wireless remote control
(19) For directly mounting the decoration panel on the unit, decoration panel option EKBYBSD is required.
(20) This option cannot be combined with KRP4A51 and KRP2A51. (in case of filter, filter chamber is required)
(21) Mounting plate KKSAP50A56 needed for 35-50 capacity class
(22) Only possible in combination with BYCQ140E and BYCQ140EW

		R-32				
		RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
Refrigerant branch piping (3)	for twin		KHRQ58T	KHRQ58T	KHRQ22M20TA	
	for triple		KHRQ58H (100 - 140)	KHRQ58H (100 - 140)	KHRQ250H7	
	for double twin		KHRQ58T (3x) (125 - 140)	KHRQ58T (3x) (125 - 140)	KHRQ22M20TA (x3)	
	Asymmetric combinations piping reducer	ASYCPIR (see table below)				
Demand adapter kit			SB.KRP58M52 (1)	SB.KRP58M52 (1)	KRP58M51 (2)	
Bottom plate heater - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)			EKBPH140N		EKBPH250D	
Sound enclosure			EKLN140A		EKLN140A	

(1) Contains KRP58M1 and obligatory mounting kit EKMKSA2
(2) To mount KRP58M51, an additional mounting kit (EKMKSA3) needs to be used (obligatory)
(3) For metric size refrigerant branching contact your local sales representative

EKLN140A - Sound enclosure

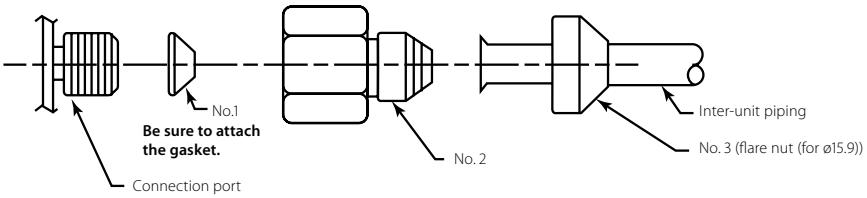
Drain pan	EKLN140-DP
Drain pan heater tape	EKLN140-DPHT (1)

(1) Only in combination with EKLN140-DP

Option for asymmetric combination (Asymmetric combinations piping reducer)

ASYCPIR		Liquid	GAS	
		ø 9.52 → ø 6.4	ø 12.7 → ø 9.52	ø 15.9 → ø 12.7
RZAG35A	FDXM50F9		●	
	FFA50A9		●	
	FBA50A9		●	
	FCAG50B		●	
	FNA50A9		●	
	FTXM50R		●	
	FHA50A9		●	
RZAG60A	FBA71A9	●		
	FCAG71B	●		●
	FTXM71R			●
	FHA71A9	●		●

Example of using:
1) Connecting a pipe of ø12.7 to a gas pipe connection port for ø15.9:





Wide range

of R-32 rooftop units to cover your needs

Rooftop

Why choose Daikin Rooftop series 458
UATYA-BBAY1 460
UATYA-BFC2Y1 460
UATYA-BFC3Y1 461
UATYA-BRS4 461
Options & Accessories 464



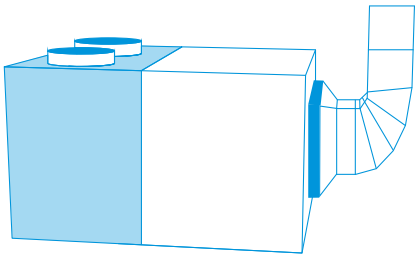
Wide range

of R-32 rooftop units to cover your needs

TÜV NORD

ErP 2021 COMPLIANT

Made-To-Stock units (MTS)



48 predefined units readily available from stock

› Fast delivery

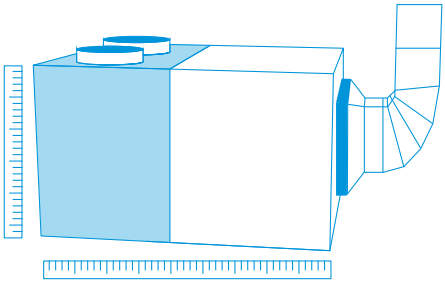
› 3 versions: Base, 2 dampers and 3 dampers

  › Thermodynamic heat recovery available on full FC3 range

› Capacity up to 190 kW!

› Comes with a wide range of standard integrated features

Made-To-Order units (MTO)



Fully customizable units for maximum flexibility

› Almost infinite configuration possibilities thanks to wide choice of options

› 4 versions: Base, 2 dampers, 3 dampers and 4 dampers

  › Thermodynamic heat recovery available on full FC3 range

  › Premium efficiency plate heat exchanger available on RS4 range

› Capacity up to 190 kW!

› Comes with a wide range of standard integrated features

› Easy selection via selection software: rooftop.daikin.eu

Products overview rooftops

BLUEVOLUTION

Capacity class (kW)

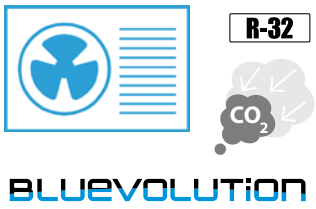
Type	Model	MTS Product name	Refrigerant	Version	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Air cooled Heat pump	Rooftop unit With extensive base package for high installation flexibility and easy servicing - 'Plug and play' for easy installation - High efficiency - Flexible supply and return air direction - Direct integration with Daikin or third party BMS - Factory pre-charged refrigerant	UATYA-BBAY1	R-32	MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 2 damper version with integrated fresh air - Free cooling with up to 100% fresh air intake - Comes with all Base model features	UATYA-BFC2Y1		MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 3 damper version with integrated fresh air and extraction - Integrated extraction damper eliminates over-pressure - Thermodynamic heat recovery, recovering waste heat - Comes with all FC2 model features	UATYA-BFC3Y1		MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 4 damper version with integrated fresh air, extraction and plate heat exchanger - Premium efficiency plate heat exchanger, recovering waste heat - Comes with all FC3 model features	UATYA-BRS4*		MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

* Indicative model name. Correct model name to be retrieved from selection software.

Standard integrated features on all Made-To-Stock and Made-To-Order units

1 R-32 refrigerant

› Top sustainability thanks to the use of low GWP (675) refrigerant
› Single component refrigerant, easy to re-use and recycle



2 Inverter driven compressors

› Great year-round seasonal efficiency
› Available up to 120 kW models

3 Capacity range up to 190 kW!

› More flexibility to tackle larger projects with a small footprint



4 25 mm double skinned panels

› Ensuring long-lasting life and providing good thermal and sound insulation

5 Full color touch display

› Intuitive to use
› Better visualisation of unit parameters



6 Integrated connectivity

› Direct integration into Daikin intelligent Touch Manager BMS (via BACNET protocol)
› Easy integration in 3rd party BMS systems via Ethernet port (BACnet TCP/IP & Modbus TCP/IP) or 3-cable port (Modbus over RS485)



7 Selection software

› Easy selection of the correction unit and options based on location conditions
› Direct availability of technical drawings

Select and configure your rooftop now!
rooftop.daikin.eu



8 BIM objects

› All made to stock units available as Revit, IFC, Archicad and AutoCAD files
› All made to order units available as Revit

Revit
IFC
Archicad
AutoCAD

Download our objects now!
bim.daikin.eu

More standard integrated features

› ISO Coarse 75% filter (G4) (standard for MTS only)
› Standard clogged filter alarm
› Flexible air delivery
› Hydrophilic aluminum fins on indoor and outdoor unit side
› Mesh coil guard on outdoor heat exchanger
› Factory mounted drain pan with heater
› Single operation voltage-free contact
› Power supply connection safety through max/min voltage relay and reversed phase connection

4 versions to choose from

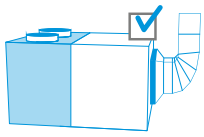
UATYA-BBAY1

High installation flexibility and easy servicing

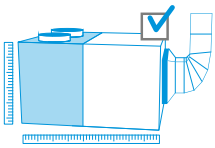
› Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected

› High efficiency and reliable scroll compressor

› Factory pre-charged refrigerant ensures clean and efficient operation

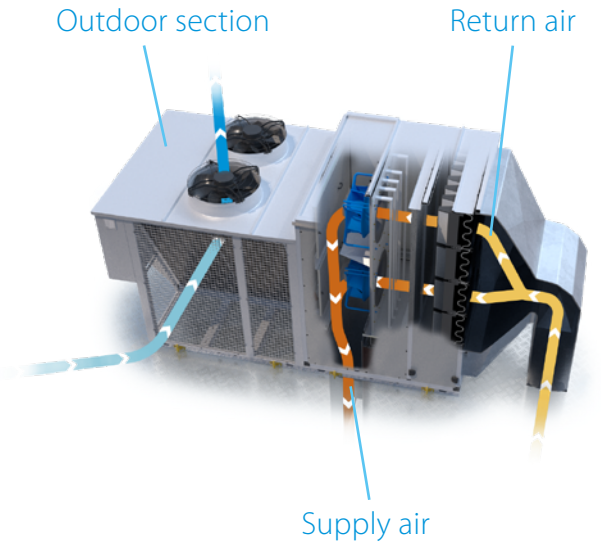


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

HEATING OPERATION EXAMPLE

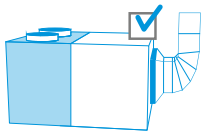


UATYA-BFC2Y1

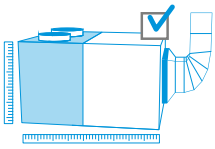
2 damper version, with integrated fresh air

› Free cooling with up to 100% fresh air possible
  › Improved air quality
  › Energy saving using fresh outdoor air to cool the building

› Includes all Base model features

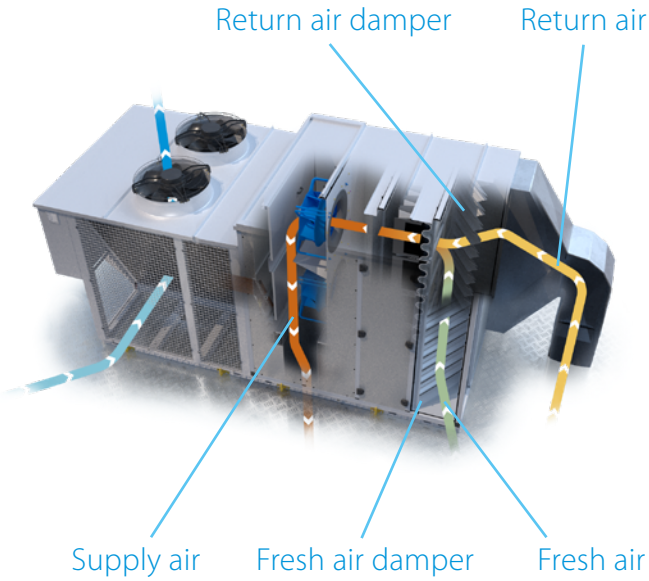


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

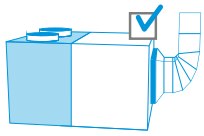
HEATING OPERATION EXAMPLE



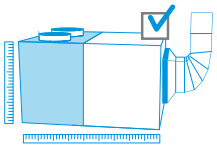
UATYA-BFC3Y1

3 damper version, with integrated fresh air and extraction

› Extraction damper integrated
  › Eliminates excessive overpressure in the building
  › Including high efficient extraction fan for optimum air circulation in larger buildings
› Thermodynamic heat recovery
  › Saves energy by recovering waste heat through the outdoor heat exchanger
  › Available on all models
› Includes all FC2 model features

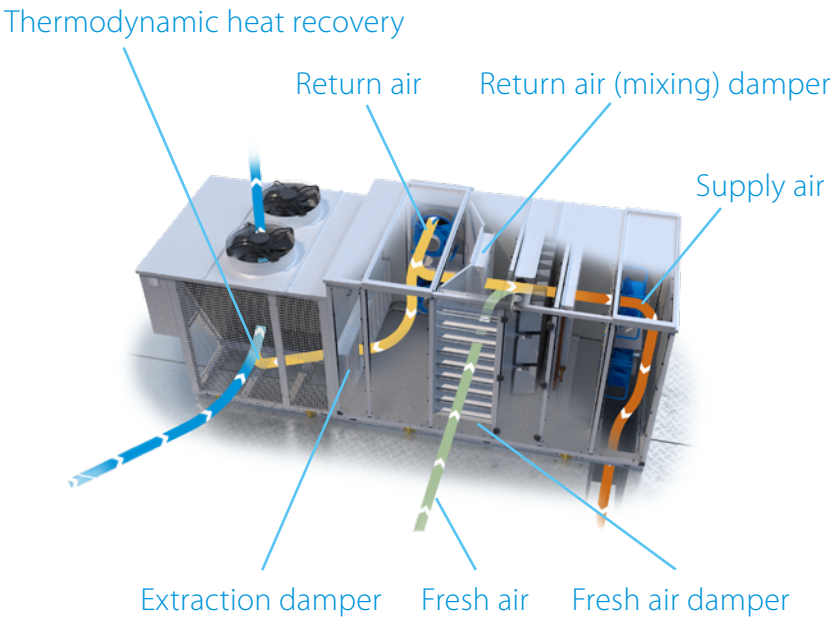


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

HEATING OPERATION EXAMPLE

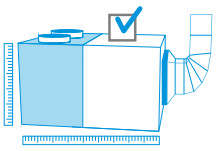


UATYA-BRS4*

4 damper version, with integrated fresh air, extraction and plate heat recovery

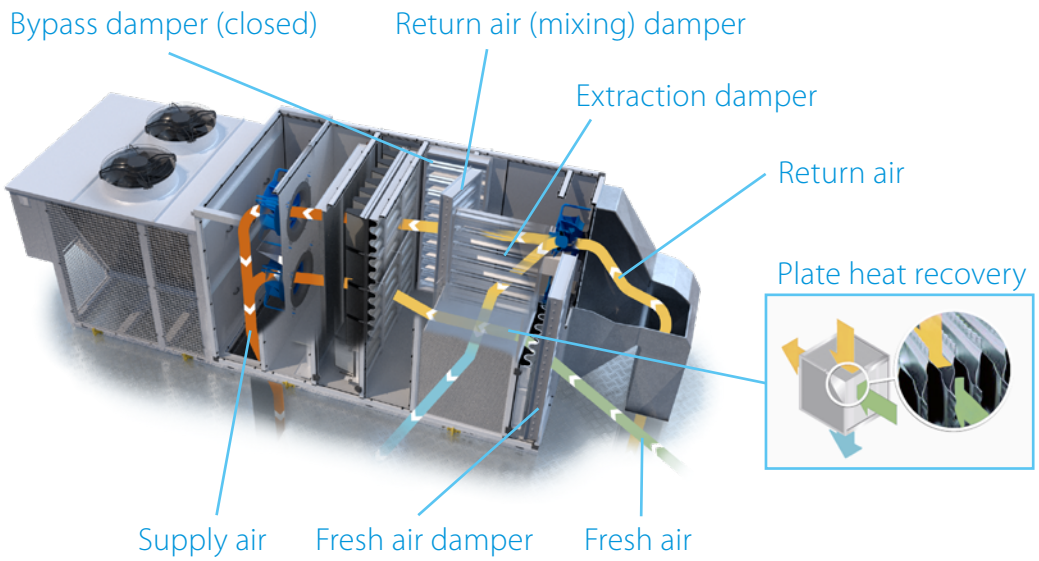
› Premium efficiency counter flow plate heat exchanger
  › Recovers up to 58% waste heat from the return air
  › Available in 50% and 100% return air heat recovery
› Bypass damper to allow plate heat exchange or free cooling
› Additional thermodynamic heat recovery available up to 50kW models
› Includes all FC3 model features
› Only available as Made-To-Order model

* Indicative model name. Correct model name to be retrieved from selection software.



Made-To-Order units (MTO) only

PLATE HEAT RECOVERY MODE IN HEATING OPERATION



Specifications Made-To-Stock units

UATYA-BBAY1

More details and final information can be found by scanning or clicking the QR codes.

UATYA-BBAY1



UATYA20-30BBAY1

Indoor Unit					UATYA-BBAY1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
Heating capacity	Nom.			kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
EER						2.83	3.09	3.06	2.96	3.12	2.92	3.09	3.06	2.97	2.99	2.91	3.14	3.02	3.05	3.07	2.97
COP						3.22	3.31	3.26	3.24	3.25	3.21	3.37	3.22	3.20	3.35	3.25	3.44	3.33	3.26	3.33	3.27
Space cooling	Capacity	Pdesign		kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	SEER					4.62	4.89	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%		181.6	192.6	212.5	207.0	217.1	178.1	219.4	215.8	203.7	208.6	203.0	172.1	167.2	167.6	162.8	160.2
Space heating (Average climate)	Capacity	Pdesign		kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	SCOP/A					3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%		131.0	132.2	143.8	143.0	135.6	133.5	145.2	143.0	141.6	139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply side	Air discharge direction				Bottom, Right, Left															
		Fan	Air flow rate	m^3/h		4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa		300															
	Return side	Air intake direction				Rear															
		Thermodynamic heat recovery				No															
	Fresh air	Standard				No															
Condenser	Air flow rate	Cooling		m^3/h		15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	GWP				675															
		Charge		kg/TCO2Eq		7.0/4,725	10.0/6,750	12.0/8,100	15.0/10,125	18.0/12,150		23.0/15,525	24.0/16,200	28.0/18,900	30.0/20,250	36.0/24,300	38.0/25,650		46.0/31,050	50.0/33,750	
Dimensions	Unit	Height		mm		1,924		2,374		1,924		2,374									
		Width		mm		2,250															
		Depth		mm		2,427				4,317							5,117				
Weight	Unit			kg		852	908	966	986	1,551	1,651	1,798	1,856	1,922	2,008	2,018	2,454	2,462	2,504	2,558	2,636
Casing	Colour					RAL 7035															
Sound pressure level	Cooling			dBA		63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7	69.9	70.6	74.2	68.3		68.7	69.1	70.0
Sound power level	Cooling			dBA		82.2	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6		89.0	89.3	90.2
Operation range	Cooling	Min. ~ Max.		°CDB		-10 ~ 48															
	Heating	Min. ~ Max.		°CWB		-15 ~ 26															
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400															
Current	Recommended fuses			A		25	40		50		63	80	100				160			200	

UATYA-BFC2Y1

More details and final information can be found by scanning or clicking the QR codes.

UATYA-BFC2Y1



UATYA60-70BFC2Y1

Indoor Unit					UATYA-BFC2Y1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	With 30% fresh air			kW		27.7	35.9	41.5	48.9	63.0	69.9	80.7	96.6	102.7	117.0	122.7	143.1	154.9	165.7	184.2	200.5
Heating capacity	Nom.			kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	With 30% fresh air			kW		25.6	31.3	36.5	46.3	55.1	65.1	69.2	84.7	94.8	102.1	108.7	124.2	137.5	148.4	158.7	180.2
EER	With 30% fresh air					2.97	3.26	3.21	3.10	3.28	3.06	3.26	3.24	3.13	3.13	3.03	3.29	3.16	3.19	3.21	3.10
COP	With 30% fresh air					3.41	3.56	3.48	3.51	3.47	3.44	3.62	3.47	3.46	3.60	3.48	3.69	3.57	3.50	3.58	3.55
Space cooling	Capacity	Pdesign		kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	SEER					4.62	4.89	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%		181.6	192.6	212.5	207.0	217.1	178.1	219.4	215.8	203.7	208.6	203.0	172.1	167.2	167.6	162.8	160.2
Space heating (Average climate)	Capacity	Pdesign		kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	SCOP/A					3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%		131.0	132.2	143.8	143.0	135.6	133.5	145.2	143.0	141.6	139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply side	Air discharge direction				Frontal, Left				Bottom, Right, Left											
		Fan	Air flow rate	m^3/h		4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa		300															
	Return side	Air intake direction				Rear, Left, Right															
		Thermodynamic heat recovery				No															
	Fresh air	Standard				Yes															
		Ratio	Standard	%		30															
			In free cooling	%		100															
Condenser	Air flow rate	Cooling		m^3/h		15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	GWP				675															
		Charge		kg/TCO2Eq		7.0/4,725	10.0/6,750	12.0/8,100	15.0/10,125	18.0/12,150		23.0/15,525	24.0/16,200	28.0/18,900	30.0/20,250	36.0/24,300	38.0/25,650		46.0/31,050	50.0/33,750	
Dimensions	Unit	Height		mm		1,924		2,374		1,924		2,374									
		Width		mm		2,250															
		Depth		mm		2,943				4,879							5,679				
Weight	Unit			kg		981	1,014	1,084	1,143	1,703	1,803	1,984	2,040	2,110	2,196	2,206	2,658	2,668	2,708	2,746	2,828
Casing	Colour					RAL 7035															
Sound pressure level	Cooling			dBA		63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7	69.9	70.6	74.2	68.3		68.7	69.1	70.0
Sound power level	Cooling			dBA		82.2	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6		89.0	89.3	90.2
Operation range	Cooling	Min. ~ Max.		°CDB		-10 ~ 48															
	Heating	Min. ~ Max.		°CWB		-15 ~ 26															
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400															
Current	Recommended fuses			A		25	40		50		63	80	100				160			200	

UATYA-BFC3Y1



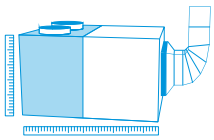
UATYA80-120BFC3Y1

More details and final information can be found by scanning or clicking the QR codes.

UATYA-BFC3Y1

Indoor Unit				UATYA-BFC3Y1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW	25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	With 30% fresh air			kW	27.8	36.1	42.5	49.6	63.7	70.5	81.3	96.8	104.3	118.0	124.5	145.6	156.8	168.3	186.5	204.4
Heating capacity	Nom.			kW	25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	With 30% fresh air			kW	26.0	32.4	38.3	47.7	57.1	68.6	71.6	87.2	97.9	107.0	112.3	132.0	147.5	160.0	173.5	191.6
EER	With 30% fresh air				2.96	3.20	3.27	3.12	3.23	3.00	3.21	3.22	3.14	3.11	3.01	3.26	3.14	3.18	3.21	3.14
COP	With 30% fresh air				3.38	3.48	3.51	3.46	3.40	3.39	3.56	3.45	3.42	3.57	3.40	3.62	3.57	3.49	3.63	3.50
Space cooling	Capacity	Pdesign		kW	25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	SEER				4.62	4.89	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%	181.6	192.6	212.5	207.0	217.1	178.1	219.4	215.8	203.7	208.6	203.0	172.1	167.2	167.6	162.8	160.2
Space heating (Average climate)	Capacity	Pdesign		kW	25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	SCOP/A				3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%	131.0	132.2	143.8	143.0	135.6	133.5	145.2	143.0	141.6	139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply side	Air discharge direction			Frontal, Left				Bottom, Right, Left, Frontal											
		Fan	Air flow rate	m^3/h	4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa	300															
	Return side	Air intake direction			Rear				Right											
		Fan	Air flow rate	m^3/min	4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa	300															
		Thermodynamic heat recovery			Yes															
	Fresh air	Standard			Yes															
		Ratio	Standard	%	30															
			In free cooling	%	100															
Condenser	Air flow rate	Cooling		m^3/h	15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	GWP			675															
		Charge		kg/TCO2Eq	7.0/4,725	10.0/6,750	12.0/8,100	15.0/10,125	18.0/12,150		23.0/15,525	24.0/16,200	28.0/18,900	30.0/20,250	36.0/24,300	38.0/25,650		46.0/31,050	50.0/33,750	
Dimensions	Unit	Height		mm	1,924		2,374		1,924		2,374									
		Width		mm	2,250															
		Depth		mm	3,514				6,317							7,117				
Weight	Unit			kg	1,166	1,196	1,310	1,329	1,996	2,094	2,336	2,382	2,452	2,548	2,558	3,024	3,035	3,074	3,192	3,271
Casing	Colour				RAL 7035															
Sound pressure level	Cooling			dBA	63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7	69.9	70.6	74.2	68.3		68.7	69.1	70.0
Sound power level	Cooling			dBA	82.2	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6		89.0	89.3	90.2
Operation range	Cooling	Min. ~ Max.		°CDB	-10 ~ 48															
	Heating	Min. ~ Max.		°CWB	-15 ~ 26															
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400															
Current	Recommended fuses			A	25	40		50		63	80	100				160			200	

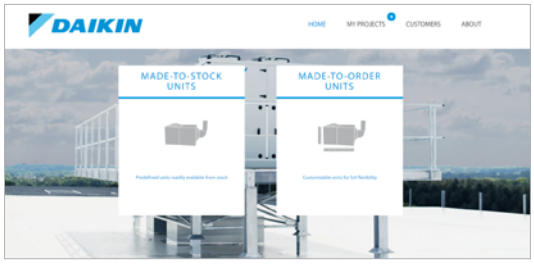
Specifications Made-To-Order units





All naming in the tables above is valid for Made-To-Stock units only.

For specifications and configuration of Made-To-Order units refer to our selection software.



Select and configure your rooftop now!
rooftop.daikin.eu



Field applied **accessories** for **Made-To-Stock** units

		BASE series (UATYA-BBAY1)					FC2 series (UATYA-BFC2Y1)						FC3 series (UATYA-BFC3Y1)						
		25-30	**40-50**	**60-70**	**80-120**	**140-190**	**25-30**	**40 - 50**	**60-70**	**80-90**	**100-120**	**140-190**	**25-30**	**40-50**	**60-70**	**80-100**	**110-120**	**140-180**	**190**
Air treatment	Filter ISO Coarse 75% (G4)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)
	Filter ISO ePM10 50% (M5/F5)	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C
	Filter ISO ePM10 70% (M6)	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C
	Rigid bag filter ISO ePM1 50% (F7)	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C
	Rigid bag filter ISO ePM1 85% (F9)	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C
Control	**UATYACO2P** - Duct air quality CO_2 probe	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UATYACAP - Constant air pressure control airflow transducer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UATYAWRC - Remote touch screen wired remote controller	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UATYARRP - Room temperature return probe (incl. housing)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UATYASA - Fire and smoke alarm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Other	Rainproof hood with anti-intrusion grille	not possible	not possible	not possible	not possible	not possible	UATYARPH3	UATYARPH4	UATYARPH5	UATYARPH6	UATYARPH6	UATYARPH6	UATYARPH1	UATYARPH2	UATYARPH8	UATYARPH7	UATYARPH7	UATYARPH7	UATYARPH7
	Rubber antivibration mounts	2x UATYAAVM1	2x UATYAAVM1	2x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	2x UATYAAVM1 + 2x UATYAAVM2	2x UATYAAVM1	2x UATYAAVM1	3x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	3x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 2x UATYAAVM2	3x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	4x UATYAAVM1 + 1x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2
	Rubber antivibration mounts when gas heater is used	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 2x UATYAAVM2	5x UATYAAVM1	5x UATYAAVM1	2x UATYAAVM1	1x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	5x UATYAAVM1	5x UATYAAVM1	5x UATYAAVM1	1x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	5x UATYAAVM1	4x UATYAAVM1 + 1x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2

Wide choice of factory-mounted **options** on **Made-To-Order** units

Indoor air treatment



› Filters and rigid bag filters
  › Multistage filtration possible
  › From ISO Coarse 75% (G4) up to ISO ePM1 85% (F9)



› Auxiliary heat sources for additional or complementary heating
  › Gas burner
  › Electric coil
  › Hot water coil

› Pre-heater from heat recovery water coil, to recover waste heat from applications where heat is rejected



› Steam humidifier and post-heating

› Oversized and extraoversized supply and return radial EC plug fans to provide a higher ESP



› Spring return dampers in case of power failure and/or fire alarm

Outdoor air treatment

› Anticorrosion treatment on heat exchanger

› Standard or EC axial fan

› Softstarter on compressor for units ≥ 140kW



› Soundproof compartment on compressor

Control options

› BMS gateway via Ethernet:
  › SNMP & Modbus TCP/IP (standard BACnet TCP/IP connection can not be used anymore)

› BMS gateway via 3-cable port:
  › BACnet MS/TP OR Lonworks (standard Modbus RS485 connection can not be used anymore)

Field applied **accessories** for **Made-To-Order** units

		MTO - BASE series	MTO - FC2 series	MTO - FC3 series	MTO - RS4 series
Control	**UATYACO2P** - Duct air quality CO_2 probe	•	•	•	•
	UATYACAP - Constant air pressure control airflow transducer	•	•	•	•
	UATYAWRC - Remote touch screen wired remote controller	•	•	•	•
	UATYARRP - Room temperature return probe (incl. housing)	•	•	•	•
	UATYASA - Fire and smoke detector	•	•	•	•
Other	Rubber antivibration mounts	• (1)	• (1)	• (1)	• (1)
	Rainproof hood with anti-intrusion grille	• (1)	• (1)	• (1)	• (1)

(1) Reference code to be selected in selection software

Continuing our path to lower CO_2 equivalent solutions



VRV 5 S-series | VRV 5 Heat Recovery | VRV 5 Heat Pump

Innovation and adaptation are at the heart of Daikin's decarbonisation strategy. When it comes to refrigerant selection, we have a diversity of choice that we are constantly evaluating to determine the appropriate refrigerant for each application and convert our portfolio to lower GWP refrigerants.

For VRV heat pumps, Daikin has assessed various refrigerants based on four criteria: overall environmental impact, energy efficiency, safety and cost-effectiveness. R-32 was determined to be the most balanced for direct expansion heat pumps.

Since launching the VRV 5 S-series with R-32 in 2020, we continue to expand our VRV portfolio with the launch of the VRV 5 Heat Recovery system and a VRV 5 heat pump in the near future

Benefits of R-32

R-32 refrigerant has a lower Global Warming Potential and higher efficiency compared to R-410A, making it the most effective sustainable solution for VRF systems today.

- **Lower Global Warming Potential** (GWP): only 1/3rd of R-410A
- **Lower refrigerant charge**: 15% less compared to R-410A
- **Higher energy efficiency**, greatly reducing the indirect CO_2 eq. impact
- **Single component refrigerant**, easy to handle and recycle.

R-32 VRV 5

Benefits of VRV heat pumps

VRV systems offer commercial buildings maximum flexibility and peace of mind thanks to the advantages direct expansion (DX) systems have to offer:

- **More responsive:** Immediate reaction to changing conditions helps avoid overheating
- **Highly efficient:** Only 2 energy transfer steps are needed (from air to refrigerant, and from refrigerant to air)
- **Quick and easy to install:** All-in-one box solution without any requirement for field supplied equipment (e.g. gauges, pumps and valves)
- **Limited space requirements:** All components are integrated, and refrigerant piping is compact.

VRV
Commercial air-to-air heat pumps

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UNIQUE FXFA-A 495
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Building a sustainable legacy together

Air surrounds us all the time, and in fact our very existence depends on it. At Daikin, the future of the world's indoor air is our greatest concern.

Daikin envisions a world with healthier indoor air while reducing our environmental impact. Driven by a dedication to achieve net zero CO_2 emissions by 2050, we provide **safe, healthy and comfortable spaces** throughout the building life cycle using **world-leading technology.**

Building on our **long-term partnerships**, let's build together now to achieve our goals, protecting the health and wellbeing of every individual.

Supporting decarbonization

We must act now to ensure we create a long-lasting legacy. As a company that values sustainability, we want to help to **decarbonize** buildings and create a **healthy** environment for generations to come.

Taking on the sustainable transformation, our solutions reduce the CO_2 footprint of buildings, whether they are new builds or renovations:

- Reusing existing refrigerant through **L∞P Daikin**, we reuse resources already available in the market, fully supporting the EU circular economy at a low carbon footprint
- If needed we introduce virgin refrigerant through **lower GWP refrigerants** such as R-32 reducing the direct CO2eq impact
- Maximizing sustainability over the entire life cycle, thanks to market-leading **real life seasonal efficiencies**
- Ensuring systems run efficiently 24/7 through **smart controls**

Building for the future

As market leaders in total solutions, we are constantly innovating to offer you a **comfortable, healthy and safe** environment, meeting your needs. Reliability, support and precision are characteristics of our future-proof products and services. We offer:

- A **wide range** of next-generation heat pumps to meet complex demands, including **easy upgrading extending the lifetime of our equipment**
- Expert **indoor air quality solutions** through our ventilation and filtration systems to eliminate pollutants and balance humidity levels

A journey we take together

Together we take on the sustainability journey. We provide expert **support** throughout the building life cycle and give **peace of mind** by ensuring what we do is **future-proof** and is helping to build a better future.

- Our team of **experts**, go beyond product support. Together we reach your green objectives.
- We are there for you, **all the time**: via our local customer support teams and e-commerce solutions.
- We're in it for the **long term**. We deliver what we commit to, providing clear and trustworthy data



9 reasons why VRV is unique in the market

1 Leader in sustainability

NEW › VRV 5: dedicated R-32 VRV design
- Less refrigerant charge
- Higher efficiency
- Lower CO_2 equivalent

› L∞P by Daikin: the creation of a circular economy of refrigerants
- Saves over 400,000 kgs of virgin refrigerant being produced every year
- Greatly reduces the CO_2 foorprint of refrigerant production
- For all VRV units produced and sold in Europe*

* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

VRV 5 BLUEVOLUTION

CO_2

LOOP BY DAIKIN

2 Efficiency

› Variable Refrigerant Temperature for high seasonal efficiency
› Round flow cassette and concealed ceiling units with auto cleaning filter
› The best partner for your BREEAM, LEED or Well project

BREEAM®

ErP 2021 COMPLIANT

3 Comfort

› Provide high Indoor Air Quality though seamless integration of AHU's (For VRV IV models)
› Variable Refrigerant Temperature preventing cold draughts in cooling thanks to high outblow temperatures
› True continuous heating during defrost
› Presence and floor sensors direct the air flow away from persons, while ensuring an even temperature distribution
› Auto cleaning filters to ensure optimum air quality
NEW › UV Streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc



4 Reliability

› Refrigerant cooled PCB
› Most extensive testing before new units leave the factory
› Widest sales network with all spare parts available in Europe
› Preventive maintenance via Daikin Cloud Service
› Auto cleaning filters to further enhance reliability thanks to clean air-filters
› True technical cooling





5 Design

› Widest ever range of cassette panels
  • Available in white and black
  • Sleek designer panel range
› Daikin Emura, unique iconic design
› Fully flat cassette, fully integrated in the ceiling





6 Controls

› Voice control via Amazon Alexa and Google Assistant through BRP069C51 Onecta app (For VRV 5 models)
› Madoka: a sleek wired remote controller with intuitive touch button control
› Intelligent Touch manager: A cost-effective mini BMS integrating all Daikin products
› Easy integration in third party BMS via BACnet, LonWorks, Modbus, KNX
› Dedicated control solutions for applications such as technical cooling, shops, hotels, ...
› Daikin Cloud Service for online control, energy monitoring, comparison of multiple sites and predictive maintenance







7 Installation

› Automatic refrigerant charge and refrigerant containment check
› Unique 4-way blow ceiling suspended cassette (FXUQ)
› Plug & play Daikin Air Handling Unit
› VRV configurator software for the fastest commissioning, configuration and customisation
› Outdoor unit display for quick on-site settings and detailed error readouts for improved customer support



7-segment display

8 Inventor of VRV with over 40 years of history

› Market leader of VRV systems since 1982
› Over 90 years of expertise in heat pump technology
› Designed for and produced in Europe
› Innovator setting the market standard with technologies such as Variable Refrigerant Temperature, continuous heating, Shîrudo technology, ...

VRV

Variable Refrigerant Temperature

9 For every application a solution

› Heat recovery for simultaneous cooling and heating
› Maximum flexibility for geothermal applications with water-cooled systems
› Hot and cold climate solutions offering efficient cooling up to 52°C and heating down to -25°C
› Space saving mini VRV solutions, offering the most compact VRV
› The invisible VRV, a unique solution when the outdoor unit must be compact and completely invisible
› Replacement solutions to replace existing systems in the most cost-effective way



The VRV air conditioning system is the world's first individual air conditioning system with variable refrigerant flow control and was commercialised by Daikin in 1982. VRV is the trademark of Daikin Industries Ltd, which is derived from the technology we call "variable refrigerant volume". BREEAM is a registered trademark of BRE (the Building Research Establishment Ltd. Community Trade Mark E5778551). The BREEAM marks, logos and symbols are the Copyright of BRE and are reproduced by permission

But VRV is more…

Advantages of direct expansion (DX) systems

Highly efficient

› Only 2 energy transfer steps maximise efficiency. Running costs of a water-based fan coil unit can be 40 to 72% higher compared to a VRV heat recovery system

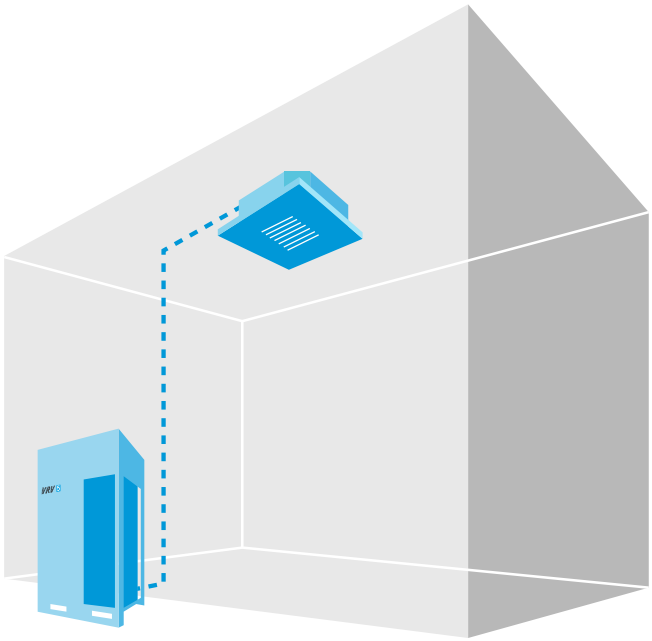
Air → Refrigerant → Air



max. 398kg for a 20HP unit

Limited space requirements

› Units have all components integrated
› Small piping diameters
› Up to 20% less space required compared to traditional water-based systems, offering more lettable space



Quick and easy to install

› All-in-one box solution without any requirement for field supplied equipment (e.g. gauges, pumps and valves)

Quick response to changing conditions

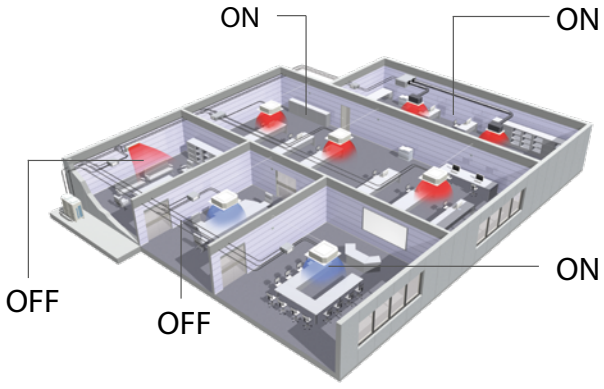
› Immediate reaction to changing conditions and precise control to 0.5°C thanks to electronic expansion valves, room thermostats, all inverter compressors and Variable Refrigerant Temperature

ALL INVERTER

Variable Refrigerant Temperature

Precise zone control

› Only condition areas in need for cooling or heating

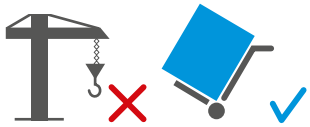


Very low indoor unit sound levels

› Levels with a limited capacity drop in case of lower fan speeds, thanks to their Electronic Expansion Valves.

Compact units

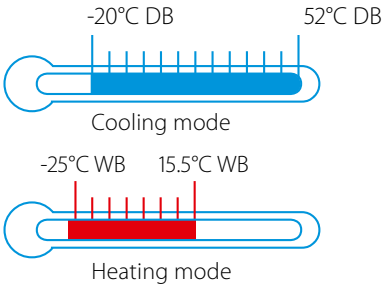
› Avoid the need for structural reinforcement or special equipment to lift units in place



Daikin VRV strong points

Great design flexibility

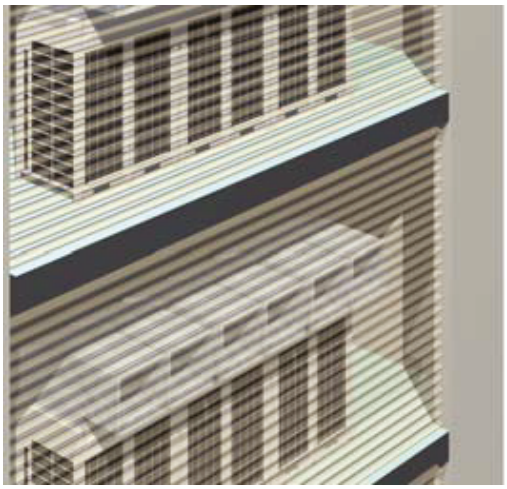
› Solutions for every climate, from -25 to +52°C



› Long refrigerant piping
› Zone by zone phased installation
› Use one outdoor unit for multiple tenants



multi tenant



Indoor Installation of outdoor units

› 3 options
  › ESP up to 78pa for standard air-cooled outdoor units
  › VRV IV i-series air cooled heat pump for indoor installation
  › VRV IV W-series water cooled unit for indoor installation

Reliable

› Special anti corrosion treatment of the heat exchanger provides 5 to 6 times greater resistance against corrosion
› Duty cycling extends operation life
› Sequential start
› Only brazed connections

High comfort levels

› Individual control and simultaneous cooling and heating for perfect personal environment
› Night quiet mode on outdoor units to ensure low outdoor operation sound
› Back-up function
› Low indoor sound levels down to 19 dBA



Simultaneous cooling and heating with heat recovery systems

VRV total solution

Typically, many buildings today rely on several separate systems for heating, cooling, air curtain heating and hot water. As a result energy is wasted. To provide a much more efficient alternative, VRV technology has been developed into

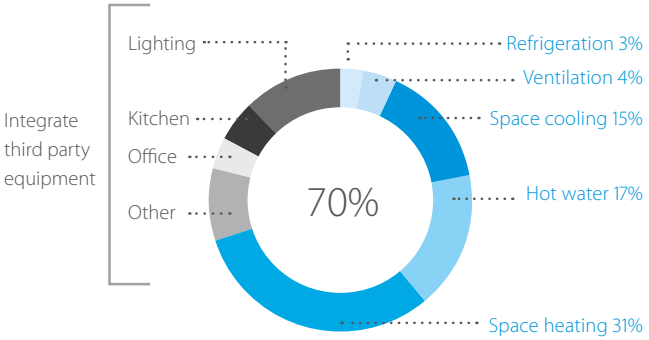
a total solution managing up to

70%

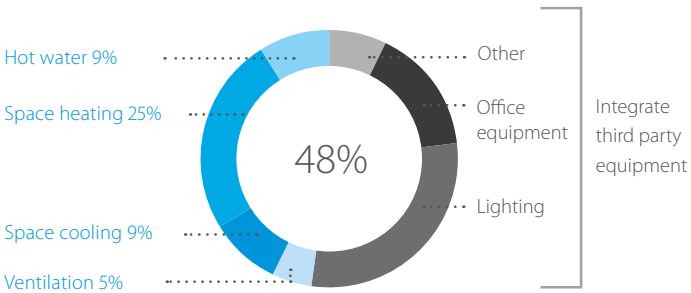
of a buildings energy consumption giving large potential to cost saving.

- **Heating and cooling** for year round comfort
- **Hot water** for efficient production of hot water
- **Underfloor heating /cooling** for efficient space heating/cooling
- **Fresh air ventilation** for high quality environments
- **Air curtains** for optimum air separation
- **Controls** for maximum operating efficiency
- **Cooling** for server rooms, telecom shelters, ... via VRV heat recovery or Sky Air units
- **Refrigeration** via our VRV based refrigeration units

Average hotel energy consumption



Average office energy consumption



Offices
Efficiency in the workplace

"Leading edge design in harmony with the construction and interior design."

Architect



Hotel
Hospitality with economy

"With Daikin we could perfectly combine the authenticity of the hotel with the latest technology and comfort."

Owner of a 5-star hotel



Shops
reducing retail costs

"Together with Daikin's technical team we have optimised the design of our HVAC system, reducing investment levels and operational costs. Daikin has offered us access to the most up to date technology."

Retail shop representative



Residential
there is no place like home

"A cost effective, low energy consumption heat pump system for home owners, offering maximum comfort"



Continuing our path to lower CO_2 equivalent solutions



VRV 5 S-series | VRV 5 Heat Recovery | VRV 5 Heat Pump

Support the decarbonisation of commercial buildings

Market-leading seasonal efficiency makes VRV5 more sustainable over it's entire lifecycle, reducing the indirect CO_2 eq. impact

Specifically built for lower GWP R-32 refrigerant, greatly reducing the reducing the potential direct CO_2 impact with 71% compared to R-410A systems

The perfect partner for BREEAM, LEED and other green building schemes

Ultra-flexible climate control

Known R-410A piping flexibility to tackle any building

Widest range of dedicated R-32 indoor units on the market

Integrates HRV ventilation units

Connectable to all known Daikin smart controls, including Onecta app

5 low sound steps

High ESP fans allowing concealed installation

VRV 5 outdoor unit overview

Capacity class (kW)

	Model		Product name		4	5	6	8	10	12	14	16	18	20	22	24	26	28	VRV indoor units	Residential indoor units	Hydrobox	HRV units VAM	HRV units EKVDX	AHU connection	Air curtains	Remarks
	Cooling Capacity							22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.4	73.5	78.5								
	Heating Capacity							25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0	82.5	87.5								
Air-cooled heat recovery	NEW & UNIQUE VRV 5 heat recovery	› Reduced CO_2 equivalent thanks to the use of lower GWP refrigerant R-32 › Top sustainability over the entire lifecycle › ‚Free' heating through heat recovery › Tackle small room applications thanks to Shîrudo Technology › The perfect personal comfort thanks to simultaneous cooling and heating	REYA-A 		●	●	●	●	●	●	●	●	●	●	●	●	●	●	○			○	○	NEW ○	NEW ○	
Air – cooled heat pump	UNIQUE VRV 5 S-series	› Reduced CO_2 equivalent thanks to the use of lower GWP refrigerant R-32 › Top sustainability over the entire lifecycle › Unique low -height single fan range › Tackle small room applications thanks to Shîrudo technology	RXYSA-AV1/AY1 	1~	●	●	●												○			○	○	NEW ○	NEW ○	› Standard total system connection ratio limit: 50 ~ 130%
				3~	●	●	●																			

● Single unit, ● Multi combination

Sound enclosure for VRV5 S-series

-10dB(A)!

- ☑ Specially designed for VRV 5
- ☑ Fully optimized and tested in Daikin Factory
- ☑ Outdoor unit sound reduction up to -10 dB(A) on Sound Power values
- ☑ Very low capacity and pressure drop
- ☑ Fast & easy installation & servicing



Branch selector (BS box) overview

Capacity class

	Model		Product name		4	6	8	10	12
Multi port BS box		› Unique range of Branch Selector boxes integrating Shîrudo Technology	BS-A14AV1B 		●	●	●	●	●

SHÎRUDO TECHNOLOGY

Shîrudo Technology truly sets VRV 5 apart

- Complete peace of mind as Daikin provides all required tools to ensure compliance to the IEC product standard
- Factory-integrated refrigerant control measures make the VRV 5 quick and flexible to design without the need for complex and time consuming calculations
- For stress free design of any commercial building, validate your project in our Xpress software, featuring floor plan integration

VRV 5



"A landmark project meeting the highest standards, the Meylan Arteparc sets the bar for designing future-proof buildings that consistently deliver on energy performance and comfort"



Arteparc office complex

Daikin VRV heat pumps contribute to low carbon footprint and is awarded with the HQE excellent label

HQE
THE WAY TO PROGRESS

The new Arteparc commercial complex situated in the Inovallee tech park in Meylan, Grenoble demonstrates how developers and equipment manufacturers are working together to deliver new low-carbon buildings that align with the highest standards of sustainable development.

This large new commercial complex comprises over 25,000m^2 of floor space, spread over six buildings.

The first three have now been completed using Daikin's low carbon VRV heat pumps. The project is distinguished by its high-quality design and construction, built to achieve BBC Effinergie E2C-1 certification and comply with the French RE2020 regulations, which are aimed at reducing both energy consumption and the lifetime carbon impact of new buildings.

Daikin's VRV5 solution was selected by ARTEA to provide comfortable climate control with a low carbon footprint to assist in achieving the HQE excellent certification.

The collaboration between the ARTEA Group, the Ingégroup design office, installer Climacool and Daikin technical management, was essential to the successful outcome of this project. Close cooperation ensured that system performance was optimised to meet the high standards of the ARTEA Group, as well as the building requirements and user experience. The system will be monitored in order to further optimise the energy efficiency of the VRV solution.

Hotel St. Annen

sustainable retrofit

- Retrofit in just 3.5 weeks
- Individual room heating or cooling
- VRV 5's compact size and low noise operation minimise visibility and disturbance in the densely populated residential neighbourhood
- Intuitive touch control for guests with central monitoring for staff to optimise energy efficiency





"The Daikin system completely met our expectations for advanced energy efficiency and quiet technology. In addition, the system allowed individual air-conditioning for the guest bedrooms."

MARCUS VAN RIESEN, HOTEL MANAGER

Zome Central hub with multi use offices

- For the Zome HUB flexibility was key to allow different type of occupation and use of the co-working space
- A sustainable system was essential to align with the brand values
- Zome's city centre location meant the outdoor units could not be higher then 1 meter to remain invisible once installed
- VRV design software ensured the selected equipment complies to the IEC product standard



"The VRV 5 system was a natural choice for Zome: technologically superior, the system delivers higher energy efficiency while offering environmental stability, contributing to a better climate for our planet."

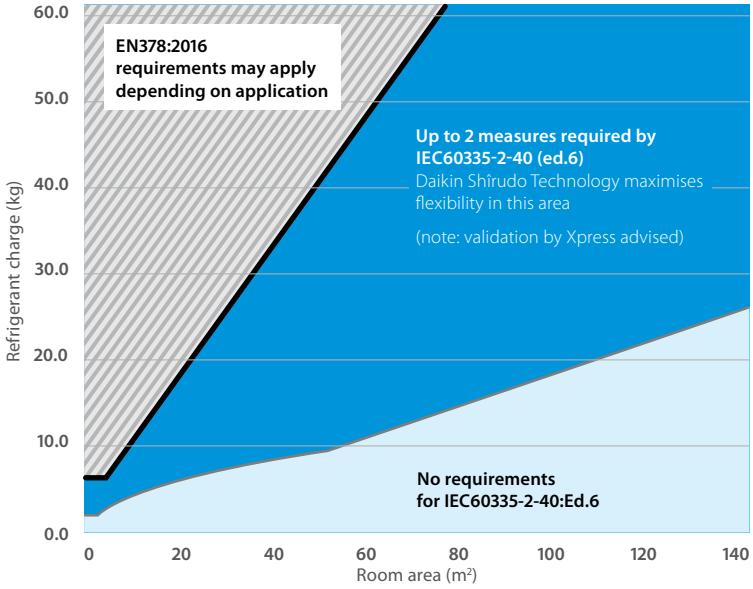
More cases at: https://www.daikin.eu/en_us/about/case-studies.html

Did you know …

different standards regarding safety exist?

Refrigerants can be classified according to 2 safety groups:
› Flammability (1, 2L, 2, 3): covered by the specific heat pump standard **IEC60335-2-40 (Ed. 6)** as it prevails over EN378:2016
› Toxicity (A or B): covered by the generic standard on refrigerants **EN378:2016.**

Shîrudo Technology focuses on offering maximum flexibility within the IEC60335-2-40 (Ed.6) requirements as limitations for flammability of A2L refrigerants are stricter than the ones for toxicity.

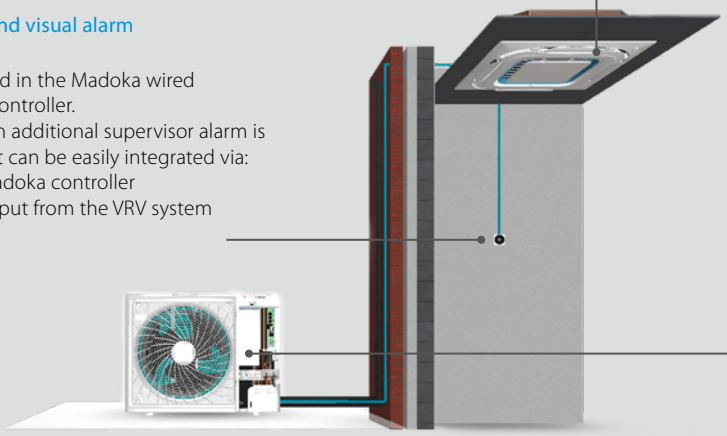


Example for VRV 5 S-series

Integrated sensors to detect refrigerant leak.
Leak detection activates:

1 Audible and visual alarm

› Integrated in the Madoka wired remote controller.
› In case an additional supervisor alarm is needed it can be easily integrated via:
  › The Madoka controller
  › An output from the VRV system



2 Refrigerant recovery and shut-off valves

› Refrigerant is automatically recovered to the outdoor unit.
› After recovery, shut-off valves close and the refrigerant is safely contained.



Peace of mind

SHÎRUDO TECHNOLOGY

With Shîrudo Technology, Daikin ensures compliance to the product standard IEC60335-2-40 (Ed. 6) for indoor units. With factory-integrated refrigerant control measures, these systems are also the quickest and most flexible to design.

There is **no need for complex and time consuming calculations**, even for small room applications. And BSSV boxes come with a ventilated enclosure for quick and simple integration of any potential additional measures – making installation in demanding spaces easier than ever.

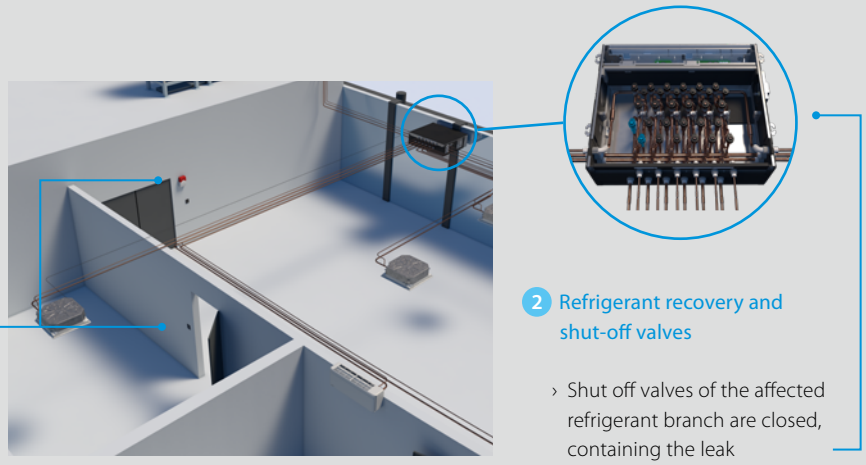
For stress free design of any commercial building, validate your project in our Xpress software, featuring floor plan integration.

Refrigerant control measures factory-integrated

Shîrudo Technology includes 2 factory measures and sensors built into a VRV 5 system.

Integrated sensors to detect refrigerant leak.
Leak detection activates:

Example for VRV 5 Heat Recovery



1 Audible and visual alarm

› Integrated in the Madoka wired remote controller
› In case an additional supervisor alarm is needed it can be easily integrated

2 Refrigerant recovery and shut-off valves

› Shut off valves of the affected refrigerant branch are closed, containing the leak
› The rest of the system remains in operation

Compliance taken care of

› No study or calculations needed on where and how to install outdoor or indoor units.
› No need for studies to decide if and what safety measures are required.
› Third party CB certified by a notified body (SGS CEBEC).

Automatic, real time leak detection and refrigerant containment controls

› Fully compliant to product standard (IEC60335-2-40 (Ed.6)), reducing the risk of direct CO_2 eq. impact from a refrigerant leak.
› Real time leak detection sensors, triggering refrigerant containment measures in the unlikely event of a leak.
› No leak check requirement for majority of VRV 5 S-series installations (up to 7.4 kg of refrigerant charge) and reduced intervals of leak check for bigger installations.

Check out the Shîrudo Technology video!

(1) Refer to Xpress selection software to ensure compliance to specific product standard.
Field supplied duct and fan may be be required to install the BS box in very small spaces.

Meet our superhero: VRV 5 Heat Recovery





Purpose-built to support the decarbonisation of commercial buildings

Support your customers in future-proofing their buildings with a breakthrough solution for sustainable climate control.

Now, more than ever, we all have a part to play in reducing our environmental impact. That's why Daikin is introducing the VRV 5 Heat Recovery unit with innovative new superpowers that make it a future-proof climate solution. Smarter and more responsive than ever – it offers you and your customers complete peace of mind.



Help your customers reduce their CO_2 footprint now while enjoying maximum comfort and ease of use. Visit **www.daikin.eu/VRV5HR** to learn more about the VRV 5 Heat Recovery unit.

Advantages
of 3-pipe technology

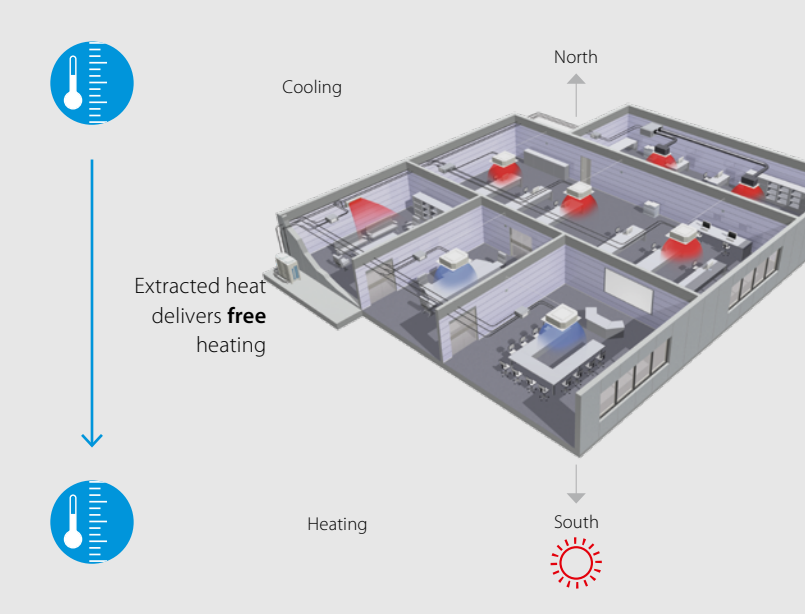
“Free” heat production

An integrated heat recovery system reuses heat from offices and server rooms to warm other areas.

Maximum comfort

A VRV heat recovery system allows simultaneous cooling and heating.

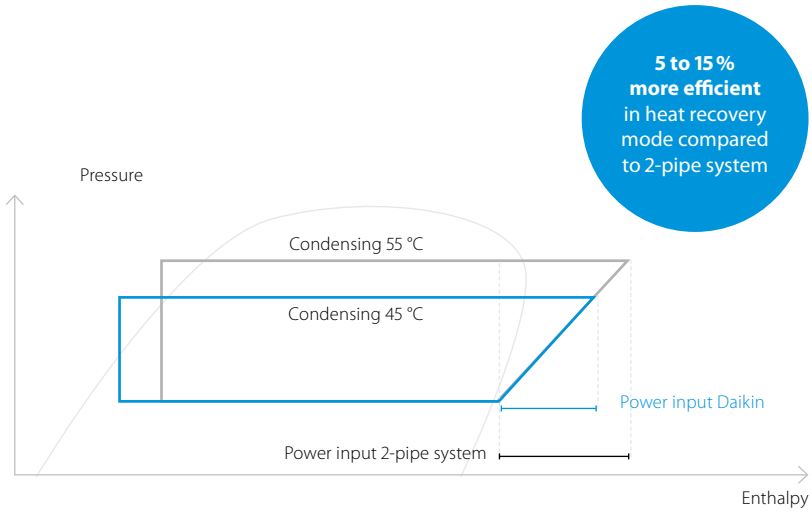
› For hotel owners, this means they can freely choose between cooling or heating to create a perfect environment for guests.
› For offices, it means a perfect working indoor climate for both north and south-facing offices.



More “free” heat

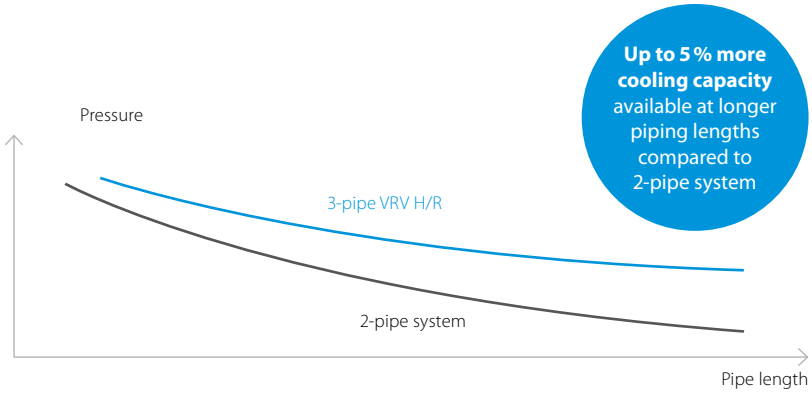
Daikin 3-pipe technology needs less energy to recover heat, meaning significantly higher efficiency during heat recovery mode. Our system can recover heat at a low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system, gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.



Lower pressure drop means more efficiency

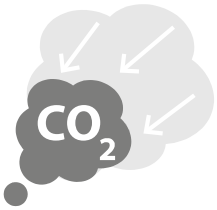
› Smooth refrigerant flow in 3-pipe system thanks to 2 smaller gas pipes results in higher energy efficiency
› Disturbed refrigerant flow in large gas pipe on 2-pipe system results in larger pressure drop



VRV 5 Heat Recovery

Purpose-built to support the decarbonisation of commercial buildings

- Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Single component refrigerant, easy to re-use and recycle
- Greatest sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- "Free" heating through efficient 3-pipe heat recovery, transferring heat from areas requiring cooling to areas requiring heating
- Tackle small room applications without any additional measures, thanks to Shîrudo Technology
- Specially designed indoor units for R-32, ensuring low sound and maximum efficiency
- Simultaneous cooling and heating for the perfect personal comfort of guests/tenants
- Like for like R-410A installation flexibility with piping lengths up to 165 meters and a total length of 1,000 meters
- Sound pressure down to 40 dB(A) thanks to 5 low sound steps
- ESP up to 78 Pa to allow ducting
- Wide operation range of up to +46°C in cooling and down to -20°C in heating
- Incorporates VRV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB



Lower CO_2 equivalents



5 low sound steps

More details and final information can be found by scanning or clicking the QR codes.

REYA-A

Outdoor unit				REYA	8A	10A	12A	14A	16A	18A	20A
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
Heating capacity	Prated,h			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination					4x FXFA50A2VEB	4x FXFA63A2VEB	6x FXFA50A2VEB	1x FXFA50A2VEB + 5x FXFA63A2VEB	4x FXFA63A2VEB + 2x FXFA80A2VEB	3x FXFA50A2VEB + 5x FXFA63A2VEB	2x FXFA50A2VEB + 6x FXFA63A2VEB
ηs,c				%	290.8	282.6	285.3	306.1	281.0	280.6	262.2
ηs,h				%	161.5	170.2	176.4	168.3	167.5	172.5	162.7
SEER					7.35	7.14	7.21	7.73	7.10	7.09	6.63
SCOP					4.11	4.33	4.49	4.28	4.26	4.39	4.14
Maximum number of connectable indoor units					64						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Max.				260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	213			296		319	
Sound power level	Cooling	Nom.		dBA	78.3	78.8	82.5	78.7	83.7	83.4	87.9
Sound pressure level	Cooling	Nom.		dBA	56.3	58.0	60.8	58.1	61.4	63.0	67.0
Operation range	Cooling	Min.~Max.		°CDB	-5 ~46						
	Heating	Min.~Max.		°CWB	-20 ~16						
Refrigerant	Type/GWP				R-32/675.0						
	Charge			kg/TCO2Eq	9.00/6.08			10.6/7.16			
Piping connections	Liquid	OD		mm	9.52		12.70				
	Gas	OD		mm	19.1		22.2				28.6
	HP/LP gas	OD		mm	15.90		19.10				22.20
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50



REYA-8-12A



Completely redesigned BSSV boxes for faster installation and easier servicing

Widest R-32 VRV range in the market

Outdoor unit System				REYA	10A	13A	16A	18A	20A	22A	24A	26A	28A
System	Outdoor unit module 1				REMA5A			REYA8A		REYA10A	REYA8A	REYA12A	
	Outdoor unit module 2				REMA5A	REYA8A		REYA10A	REYA12A		REYA16A	REYA14A	REYA16A
Capacity range				HP	10	13	16	18	20	22	24	26	28
Cooling capacity	Prated,c			kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
Heating capacity	Prated,h			kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
	Max.	6°CWB		kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5
Recommended combination					4x FXFA63A2VEB	3x FXFA50A2VEB + 3x FXFA63A2VEB	4x FXFA63A2VEB + 2x FXFA80A2VEB	4x FXFA50A2VEB + 4x FXFA63A2VEB	10x FXFA50A2VEB	6x FXFA50A2VEB + 4x FXFA63A2VEB	4x FXFA50A2VEB + 4x FXFA63A2VEB + 2x FXFA80A2VEB	7x FXFA50A2VEB + 5x FXFA63A2VEB	8 x FXFA63A + 8 x FXSA63A + 8 x FXMA63A
ηs,c				%	301.9	296.5	293.0	287.5	287.6	283.6	283.4	296.2	282.8
ηs,h				%	160.6	161.5	170.9	170.5	172.2	173.3	165.2	172.0	171.5
SEER					7.62	7.49	7.40	7.26	7.27	7.17	7.16	7.48	7.15
SCOP					4.09	4.11	4.35	4.34	4.38	4.41	4.20	4.38	4.36
Maximum number of connectable indoor units					64								
Indoor index connection	Min.				125	163	200	225	250	275	300	325	350
	Max.				325	423	520	585	650	715	780	845	910
Piping connections	Liquid	OD		mm	9.52	12.70						15.90	
	Gas	OD		mm	19.1	22.2			28.6				
	HP/LP gas	OD		mm	15.90	19.10			22.20				
	Total piping length	System	Actual	m	500					1,000			
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415								
Current - 50Hz	Maximum fuse amps (MFA)			A	40			50		63			

Outdoor unit module				REMA	5A
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765	
Weight	Unit		kg	213	
Fan	External static pressure	Max.	Pa	78	
Sound power level	Cooling	Nom.	dBA	78.3	
Sound pressure level	Cooling	Nom.	dBA	56.3	
Operation range	Cooling	Min.~Max.	°CDB	-5 ~46	
	Heating	Min.~Max.	°CWB	-20 ~16	
Refrigerant	Type/GWP			R-32/675.0	
	Charge		kg/TCO2Eq	9.00/6.08	
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)		A	20	

Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%) | Contains fluorinated greenhouse gases| * EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

NEW BS-A14AV1B

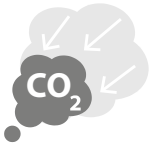
Multi branch selector (BSSV) for VRV 5 Heat Recovery

Specifically developed for lower GWP R-32

› **Reduced CO_2 equivalent** thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge

› Unique range of multi BS boxes allowing **efficient 3-pipe** heat recovery

› No limitation on room size, thanks to **Shîrudo Technology** (1)
The integrated shut-off valves in the BSSV box ensure that in case of a refrigerant leak only the specific branch is closed off.



Reduced CO_2 equivalent

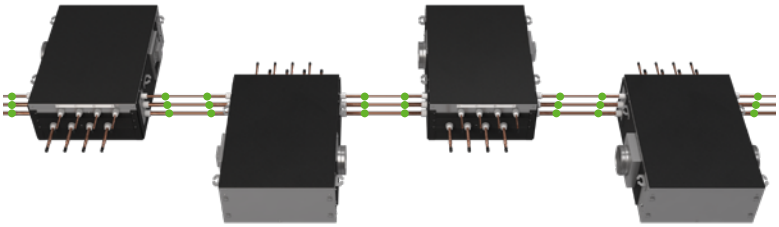


Flexibility to take care of every room

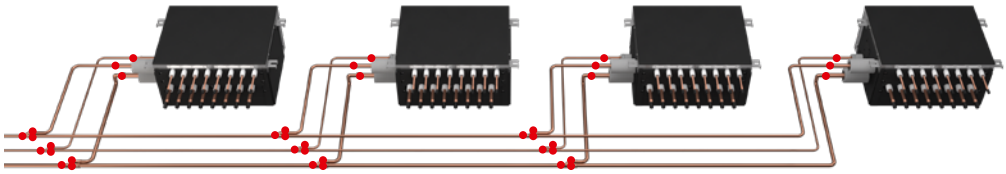
Completely redesigned for faster installation and easier servicing

› Faster installation thanks to **Refrigerant Flow Through** reducing the number of brazing points and joint kits

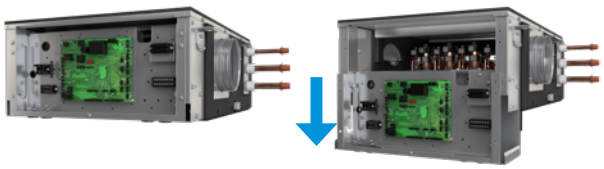
VRV 5: only 24 brazings point and no joint kits



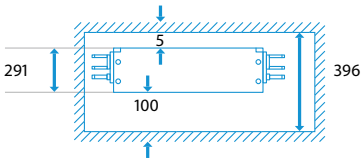
VRV 5: 39 brazing points and 3 joint kits



› Easy servicing in false ceillings thanks to **sliding down PCB**



› Limited ceiling void required as the box can be installed at just 5mm from the ceiling



(1) Refer to Xpress selection software to ensure compliance to specific product standard. Field supplied duct and fan might be required to install the BS box in very small spaces

- Unique range of multi BS boxes allowing efficient 3-pipe heat recovery
- NEW No limitation on room size, thanks to Shîrudo Technology (1)
- NEW Faster installation thanks to Refrigerant Flow Through reducing the number of brazing points and joint kits
- NEW Easy servicing in false ceilings thanks to sliding down PCB
- NEW Limited ceiling void required as the box can be installed at just 5mm from the ceiling
- NEW Quick on-site settings, indication of service parameters and easy read out of errors thanks to 7 segment display
- Up to 16kW capacity available per port
- Connect up to 250 class unit (28kW) by combining 2 ports
- No limit on unused ports allowing phased installation
- Faster installation thanks to open port connection
- Allows multi tenant applications
- Connectable to REYA-A heat recovery units



BS6A14AV1B

More details and final information can be found by scanning or clicking the QR codes.

BS-A14AV1B

Branch selector				BS	4A14AV1B	6A14AV1B	8A14AV1B	10A14AV1B	12A14AV1B
Maximum number of connectable indoor units					20	30	40	50	60
Maximum number of connectable indoor units per branch					5				
Number of branches					4	6	8	10	12
Maximum capacity index of connectable indoor units					400	600	750		
Maximum capacity index of connectable indoor units per branch					140 (250 if 2 ports are combined)				
Dimensions	Unit	HeightxWidthxDepth		mm	291x600x845	291x1,000x845		291x1,400x845	
Weight	Unit			kg	40	56	65	83	89
Casing	Material				Galvanised steel plate				
Piping connections	Outdoor unit or Refrigerant Flow Through	Liquid	Type		Brazing connection				
			OD	mm	9.52 (2) / 12.7 (2) / 15.9				
		Gas	Type		Brazing connection				
			OD	mm	15.9 (2) / 19.1(2) / 22.2(2) / 28.6				
		Discharge gas	Type		Brazing connection				
			OD	mm	12.7 (2) / 15.9(2) / 19.1(2) / 22.2				
	Indoor unit	Liquid	Type		Brazing connection				
			OD	mm	6.35(3) / 9.52 (4)				
		Gas	Type		Brazing connection				
			OD	mm	9.52 (5) / 12.7 (6) / 15.9 (4)				
	Drain				VP20 (I.D. 20/O.D. 26)				
BS units connected in Refrigerant Flow Through	Maximum allowed amount of BS units				4				
	Maximum total number of ports of BS units				16				
	Maximum total capacity index of indoor unit				750				
Sound absorbing thermal insulation					Urethane foam, polyethylene foam				
BS box system safety requirements	Dust connection diameter on unit			mm	160.0				
	Dust connection positions				Left/Right				
Power supply	Phase				1~				
	Frequency			Hz	50				
	Voltage			V	220-440				
	Maximum fuse amps (MFA)			A	15				

Contains fluorinated greenhouse gases | (1) Refer to Xpress selection software to ensure compliance to specific product standard. Field supplied duct and fan might be required to install the BS box in very small spaces | (2) Accessory pipe required | (3) When connecting indoor units smaller or equal to 80 class (no need to cut the outlet pipe) | (4) When connecting indoor units larger or equal to 100 class (the outlet pipe needs to be cut) | (5) When connecting indoor units smaller or equal to 32 class (no need to cut the outlet pipe) | (6) When connecting indoor units between 40 & 80 class (the outlet pipe needs to be cut)

DAIKIN



Designed for the future

Creating a sustainable legacy together:

Determined to reduce our environmental footprint, we aim to be CO_2-neutral by 2050. A circular economy, innovation and smart use are the stepping stones on our path.
It is time to act, join us now!

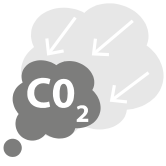
Lower CO_2 equivalents and market-leading versatility



Life is more rewarding with the new VRV 5.
Our new all-round performer covers all of your mini VRV applications in Daikin's most sustainable solution.

- **Maximum flexibility** allowing installation in rooms down to 10 m^2 thanks to Shîrudo technology
- **Top sustainability** over the entire lifecycle thanks to low GWP R-32 refrigerant and market-leading real life seasonal efficiency
- **Ergonomic serviceability** and handling, thanks to wide access area to easily reach components within low-profile single fan casing
- **Best-in-class design versatility** with five sound pressure levels down to 39 dB(A) and automatic ESP setting up to 45 Pa allowing ductwork
- **Geared for comfort** with intuitive online and voice controls plus a new 10 class indoor unit for small rooms

www.daikin.eu/VRV5



Reduced CO_2 equivalent

VRV 5
BLUEVOLUTION

Variable Refrigerant Temperature

VRV 5 S-series BLUEVOLUTION

VRV 5 S-series

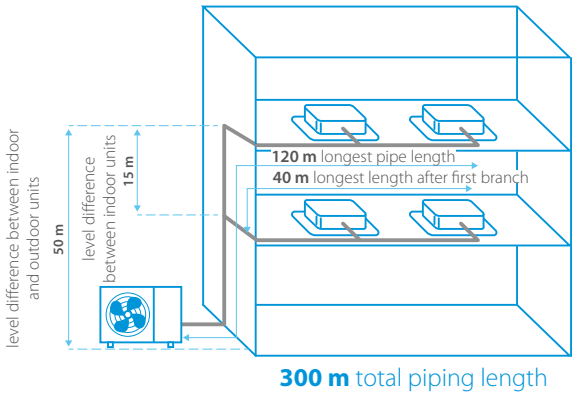
Lower CO_2 equivalent and market-leading flexibility

- Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- Low-height single fan range
- Easy to transport thanks to lightweight and compact design
- Wide access area to easily reach all key components
- Tackle small room applications without any additional measures, thanks to Shîrudo technology
- Specially designed indoor units for R-32, ensuring low sound and maximum efficiency



RXYSA-AV1_AY1

Only 869mm high!



Reduced CO_2 equivalent

Flexibility to take care of every room

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

RXYSA-AV1

RXYSA-AY1

Outdoor unit			RXYSA	4AV1	5AV1	6AV1	4AY1	5AY1	6AY1
Capacity range			HP	4	5	6	4	5	6
Cooling capacity	Prated,c		kW	12.1	14.0	15.5	12.1	14.0	15.5
Heating capacity	Prated,h		kW	12.1	14.0	15.5	12.1	14.0	15.5
	Max.	6°CWB	kW	14.2	16.0	18.0	14.2	16.0	18.0
Recommended combination				3x FXSA25A2VEB + 1x FXSA32A2VEB	4x FXSA32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB	3x FXSA25A2VEB + 1x FXSA32A2VEB	4x FXSA32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB
ηs,c			%	324.5	306.1	301.0	312.5	294.8	289.9
ηs,h			%	200.5	185.7	183.6	193.1	178.8	176.8
SEER				8.2	7.7	7.6	7.9	7.4	7.3
SCOP				5.1	4.7		4.9	4.5	
Maximum number of connectable indoor units				13 (1)	16 (1)	18 (1)	13 (1)	16 (1)	18 (1)
Indoor index connection	Min.			50.0	62.5	70.0	50.0	62.5	70.0
	Nom.			100	125	140	100	125	140
	Max.			130.0	162.5	182.0	130.0	162.5	182.0
Dimensions	Unit	HeightxWidthxDepth	mm	869x1,100x460					
Weight	Unit		kg	102					
Sound power level	Cooling	Nom.	dBA	67.0	68.1	69.0	67.0	68.1	69.0
	Heating	Prated,h	dBA	69.0	70.0	71.0	69.0	70.0	71.0
Sound pressure level	Cooling	Nom.	dBA	49.0	51.0		49.0	51.0	
Operation range	Cooling	Min.~Max.	°CDB	-5 ~46					
	Heating	Min.~Max.	°CWB	-20 ~16					
Refrigerant	Type/GWP			R-32/675.0					
	Charge		kg/TCO2Eq	3.40/2.30					
Piping connections	Liquid	OD	mm	9.52					
	Gas	OD	mm	15.9					
	Total piping length	System Actual	m	300					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240			3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	32			16		

(1)The actual number of units depends on the connection ratio (CR) and the restrictions for the system.

With new Madoka BRC1H52W/S/K!



VRV 5 indoor unit overview

Capacity class (kW)

Type	Model		Product name		10	15	20	25	32	40	50	63	71	80	100	125	140	200	250
Ceiling mounted cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort › Auto cleaning function ensures high efficiency › Intelligent sensors save energy and maximize comfort › Flexibility to suit every room layout › Lowest installation height in the market! › Widest choice ever in decoration panel designs and colors	ROUND FLOW	FXFA-A			●	●	●	●	●	●		●	●	●			
	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling › Perfect integration in standard architectural ceiling tiles › Blend of iconic design and engineering excellence › Intelligent sensors save energy and maximize comfort › Small capacity unit developed for small or well-insulated rooms › Flexibility to suit every room layout		FXZA-A		●	●	●	●	●	●								
Concealed ceiling	Slim concealed ceiling unit	Slim design for flexible installation › Compact dimensions enable installation in narrow ceiling voids › Medium external static pressure up to 44Pa › Only grilles are visible › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor		FXDA-A	●	●	●	●	●	●	●	●							
	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market! › Slimmest unit in class, only 245mm › Low operating sound level › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	UNIQUE FOR R-32	FXSA-A		●	●	●	●	●	●	●		●	●	●	●		
	NEW Concealed ceiling unit with high ESP	ESP up to 270 Pa, ideal for extra large sized spaces › Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment › Large capacity unit: up to 31.5 kW heating capacity		FXMA-A							●	●		●	●	●		●	●
Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space › Flat, stylish front panel is more easy to clean › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor › The air is comfortably spread up- and downwards thanks to 5 different discharge angles		FXAA-A		●	●	●	●	●	●	●							
Ceiling suspended	NEW Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space › Ideal for comfortable air flow in wide rooms thanks to Coanda effect › Rooms with ceilings up to 3.8m can be heated or cooled very easily! › Can easily be installed in both new and refurbishment projects › Can even be mounted in corners or narrow spaces without any problem		FXHA-A					●		●	●			●				
	NEW & UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space › Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! › Can easily be installed in both new and refurbishment projects › Flexibility to suit every room layout		FXUA-A							●		●		●				
Cooling capacity (kW)[1]					1.1	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]					1.3	1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5

UV Streamer kit

Auto cleaning filter option

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

VRV 5 indoor unit benefit overview

			Ceiling mounted cassette units		Concealed ceiling units			Wall mounted unit	Ceiling suspended units	
			FXFA-A	FXZA-A	FXDA-A	FXSA-A	NEW FXMA-A	FXAA-A	FXHA-A	FXUA-A
										
We care	Home leave operation	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy.	●	●	●	●	●	●	●	●
	Fan only	The unit can be used as fan, blowing air without heating or cooling.	●	●	●	●	●	●	●	●
	Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.	o		o					
	Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.	o	o						NEW o
Comfort	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. fter warming up, air discharge and fan speed are set as desired.	●	●						●
	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.	●	●	●	●		●		
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●	●	●	●	●	●
Air treatment	UV Streamer kit	Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment	●							
	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.	● (2) (Optional high efficiency filter ePM10 60%)	● (2)	● (2)	● (2)	● (2) Optional pre filter and high efficiency filter available (200-250)	● (2)	● (2)	● (2)
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.	●	●	●	●	●	●	●	●
Air flow	Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains.	●	●						
	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room.	●	●				●	●	●
	Fan speed steps	Allows to select up to the given number of fan speed.	5 + auto	3 + auto	3	3 + auto	3 (50-125) 3 + auto (200-250)	3 + auto	3	3 + auto
	Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.	●	●						●
Remote control & timer	Onecta controller (BRP069C51)	Control your indoor climate from any location via smartphone or tablet.	o	o	o	o	o	o	o	o
	Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis.	o	o	o	o	o	o	o	o
	Infrared remote control	Starts, stops and regulates the air conditioner from a distance.	o (1)	o (1)	o (1)	o (1)	o (1)	o (1)	o (1)	o (1)
	Wired remote control	Starts, stops and regulates the air conditioner.	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)
	Centralised control	Starts, stops and regulates several air conditioners from one central point.	o	o	o	o	o	o	o	o
Other funtcions	Auto-restart	The unit restarts automatically at the original settings after power failure.	●	●	●	●	●	●	●	●
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.	●	●	●	●	●	●	●	●
	Drain pump kit	Facilitates condensation draining from the indoor unit.	●	●	●	●	●	o	o	●
	Multi tenant	The indoor unit's main power supply can be turned off when leaving the hotel or office building.	o (4)	o (4)	o (4)	o (4)	o (4)	o (4)	o (4)	

(1) Must be combined with Madoka wired remote controller.
(2) Pre filter
(3) BRC1H52W/S/K is a required option
(4) Only in combination with REYA outdoors

● standard, o optional


Concealed ceiling unit with high esp


Round flow cassette


Slim concealed ceiling unit



4-way blow ceiling suspended unit



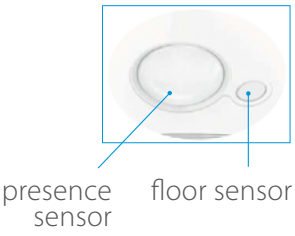
Fully flat cassette



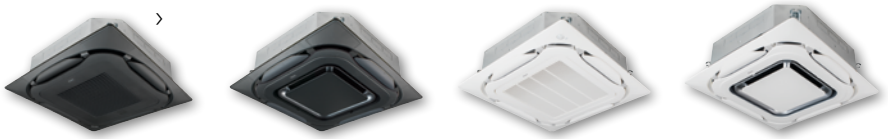
Complete indoor comfort, including pure air

The round flow cassette

› Maximum comfort thanks to **360° air discharge and intelligent sensors**



› **Widest ever choice in panels** to match any interior



Black auto cleaning panel | Black designer panel | Full white standard panel | White designer panel

› **Auto cleaning panel** keeps the filter free of dust for maximum efficiency



› **UV streamer kit**

NEW › Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment

› Highly efficient F7 filter (ISO classification under testing), UVC light and Streamer technology

› Can be **retrofitted** into existing installations

UV STREAMER

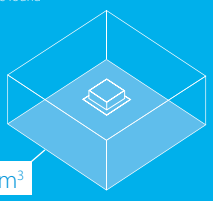
99.9%
of viruses removed in 30 minutes, thanks to Daikin's unique
Catch & Clean approach

Tested at Intertek

Results based on tests performed in the laboratories of Intertek, in a 28m³ room. Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room





View full test report:

ROUND FLOW UV STREAMER BLUEVOLUTION

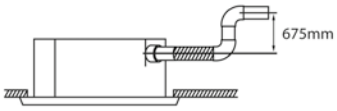
Round flow cassette

360° air discharge for optimum efficiency and comfort

- Optimised design for R-32 refrigerant
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63

NEW

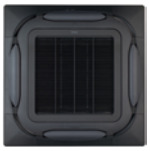
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Standard drain pump with 675mm lift increases flexibility and installation speed






White panel


White auto cleaning panel


Black panel


Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FXFA-A

Indoor Unit				FXFA	20A	25A	32A	40A	50A	63A	80A	100A	125A
Cooling capacity	Total capacity	At high fan speed		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	At high fan speed		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.078	0.103
	Heating	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.078	0.103
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840		288x840x840
Weight	Unit			kg	18			19	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				Standard panels: BYCQ140E2W1 - white with grey louvers / BYCQ140E2W1W - full white / BYCQ140E2W1B - black Auto cleaning panels: BYCQ140E2GFW1 - white / BYCQ140E2GFW1B - black Designer panels: BYCQ140E2P - white / BYCQ140E2PB - black								
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950								
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5								
Fan	Air flow rate - 50Hz	Cooling	At high / medium high / medium / medium low / low fan speed	m^3/min	12.8/11.8/10.7/9.8/8.9			14.8/13.7/12.6/11.5/10.4	15.1/14.0/12.8/11.8/10.7	16.6/15.0/13.3/12.0/10.7	23.3/21.7/19.3/16.5/13.8	28.8/25.1/21.2/17.5/13.8	33.0/30.2/27.4/24.0/20.6
		Heating	At high / medium high / medium / medium low / low fan speed	m^3/min	12.8/11.8/10.7/9.8/8.9			14.8/13.7/12.6/11.5/10.4	15.1/14.0/12.8/11.8/10.7	16.6/15.0/13.3/12.0/10.7	23.3/21.7/19.3/16.5/13.8	29.0/25.1/21.2/17.5/13.8	33.0/30.2/27.4/24.0/20.6
Air filter	Type				Resinnet								
Sound power level	Cooling	At high fan speed		dBA	49.0			51.0		53.0	55.0	60.0	61.0
Sound pressure level	Cooling	At high / medium high / medium / medium low / low fan speed		dBA	31.0/30.0/29.0/29.5/28.0			33.0/32.0/31.0/30.0/29.0		35.0/34.0/33.0/32.0/30.0	38.0/36.0/34.0/32.0/30.0	43.0/41.0/37.0/34.0/30.0	45.0/43.0/41.0/39.0/36.0
	Heating	At high / medium high / medium / medium low / low fan speed		dBA	31.0/30.0/29.0/29.5/28.0			33.0/32.0/31.0/30.0/29.0		35.0/34.0/33.0/32.0/30.0	38.0/36.0/34.0/32.0/30.0	43.0/41.0/37.0/34.0/30.0	45.0/43.0/41.0/39.0/36.0
Refrigerant	Type/GWP				R-32/675.0								
Piping connections	Liquid	OD		mm	6.35							9.52	
	Gas	OD		mm	9.52			12.70				15.90	
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	6								
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB								
	Wired remote control				BRC1H52W/S/K								

Contains fluorinated greenhouse gases

Fully Flat Cassette

Design & Genius in one



Why choose fully flat cassette

› Unique design in the market that integrates fully flat into the ceiling

› Advanced technology and top efficiency combined

› Most quiet cassette available on the market

FXZQ-A



Choice between grey or white panel

Benefits for the installer

› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

Benefits for the consultant

› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA*) or VRV IV heat pump units (FXZQ*).

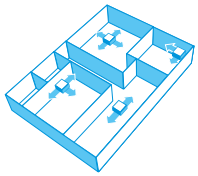
Benefits for the end user

› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly remote control, available in several languages.

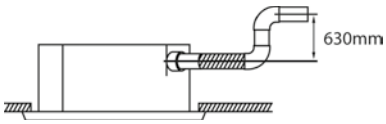
Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Optimised design for R-32 refrigerant
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed





More details and final information can be found by scanning or clicking the QR codes.

FXZA-A

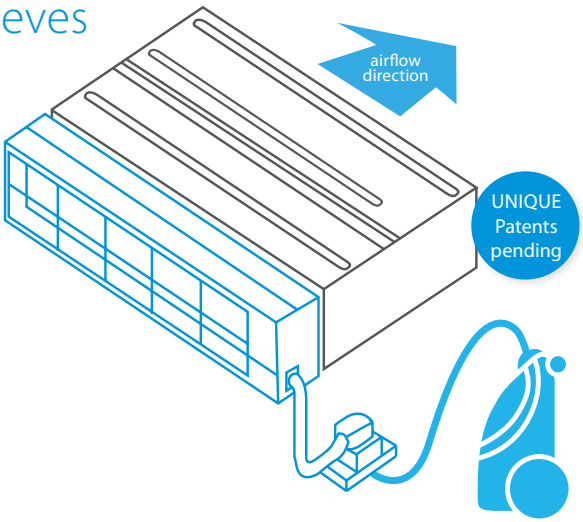
Indoor Unit				FXZA	15A	20A	25A	32A	40A	50A
Cooling capacity	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	At high fan speed		kW	0.018		0.020	0.019	0.029	0.048
	Heating	At high fan speed		kW	0.018		0.020	0.019	0.029	0.048
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575					
Weight	Unit			kg	15.5			16.5		18.5
Casing	Material				Galvanised steel plate					
Decoration panel	Model				BYFQ60C4W1W					
	Colour				White (N9.5)					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 2	Model				BYFQ60C4W1S					
	Colour				SILVER					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 3	Model				BYFQ60B3W1 + wire harness EKRS23					
	Colour				WHITE (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55x700x700					
	Weight			kg	2.7					
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.0/12.5/10.0
		Heating	At high / medium / low fan speed	m^3/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.0/12.5/10.0
Air filter	Type				Resin net					
Sound power level	Cooling	At high fan speed		dBA	49		50	51	54	60
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
	Heating	At high / medium / low fan speed		dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
Refrigerant	Type/GWP				R-32/675.0					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.52				12.70	
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	6					
Control systems	Infrared remote control				BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel) (1)					
Control systems	Wired remote control				BRC1H52W/S/K					

Dimensions do not include control box | (1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

Auto cleaning filter for concealed ceiling units

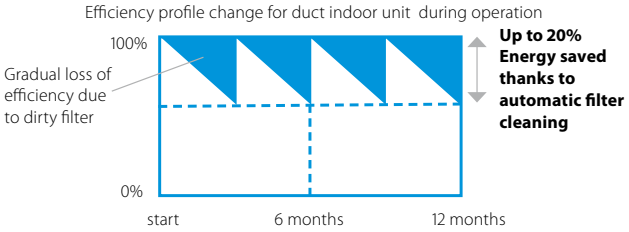


The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs



Reduce running costs

› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



Minimal time required for filter cleaning

› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality

› Optimum airflow eliminates draft and insulates sound

Superb reliability

› Prevents clogged filters for seamless operation

Unique technology

› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette



How does it work?

1. **Scheduled automatic filter cleaning**
2. **Dust collects in a dust box that's integrated into the unit**
3. **The dust can easily be removed with a vacuum cleaner**

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDA-A/FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

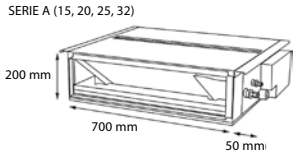
	BAE20A62	BAE20A82	BAE20A102
Height (mm)	210		
Width (mm)	830	1,030	1,230
Depth (mm)	188		

BLUEVOLUTION

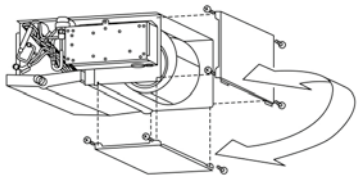
Slim concealed ceiling unit

Slim design for flexible installation

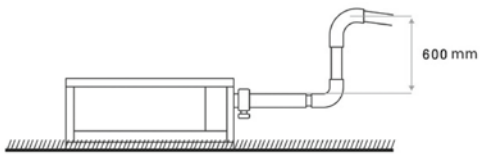
› Optimised design for R-32 refrigerant
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm

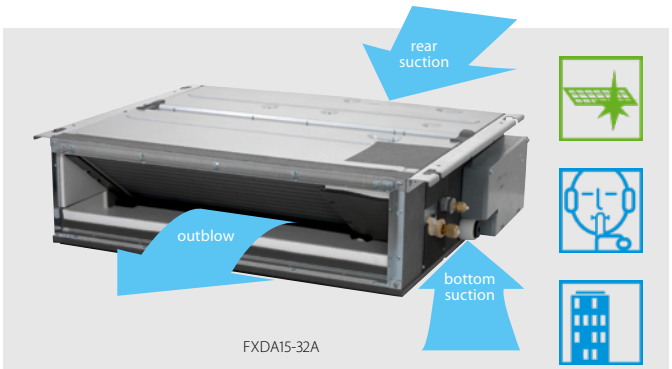


› Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Optional auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
› Flexible installation, as the air suction direction can be altered from rear to bottom suction



› Standard drain pump with 600mm lift increases flexibility and installation speed

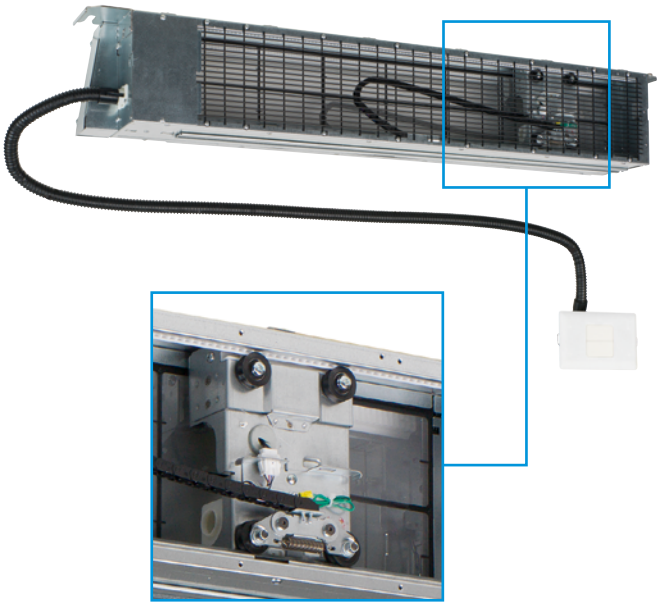




FXDA15-32A



BRC1H52W, BRP069C51



Auto cleaning filter option

More details and final information can be found by scanning or clicking the QR codes.

FXDA-A

Indoor Unit				FXDA	10A	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW	1.10	1.70	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	At high fan speed		kW	1.30	1.90	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.026	0.035	0.030		0.035	0.038	0.049	0.058
	Heating	At high fan speed		kW	0.026	0.035	0.030		0.035	0.038	0.049	0.058
Required ceiling void >				mm	240							
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620					200x950x620		200x1,150x620
Weight	Unit			kg	22.0		23.0			26.5		30.5
Casing	Material				Galvanised steel							
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	5.2/4.9/4.7	6.5/6.2/5.8	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
		Heating	At high / medium / low fan speed	m^3/min	5.2/4.9/4.7	6.5/6.2/5.8	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory set / High		Pa	10/30					15/44		
Air filter	Type				Removable / washable							
Sound power level	Cooling	At high fan speed		dBA	48	50	51			52	53	54
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	29.0/28.0/26.0	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
	Heating	At high / medium / low fan speed		dBA	29.0/28.0/26.0	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
Refrigerant	Type/GWP				R-32/675.0							
Piping connections	Liquid	OD		mm	6							
	Gas	OD		mm	9.52					12.70		
	Drain				VP20 (I.D. 20/O.D. 26)							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							
Current - 50Hz	Maximum fuse amps (MFA)			A	6							
Control systems	Infrared remote control				BRC4C65 (1)							
	Wired remote control				BRC1H52W/S/K							

(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

Concealed ceiling unit with medium ESP

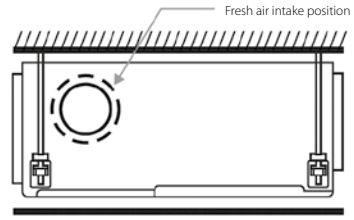
Slimmest yet most powerful medium static pressure unit on the market

› Optimised design for R-32 refrigerant
› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge



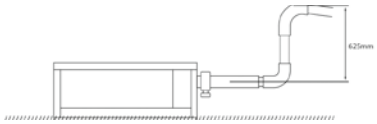
› Quiet operation: down to 25dBA sound pressure level
› Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Optional fresh air intake
› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required
› Standard built-in drain pump with 625mm lift increases flexibility and installation speed

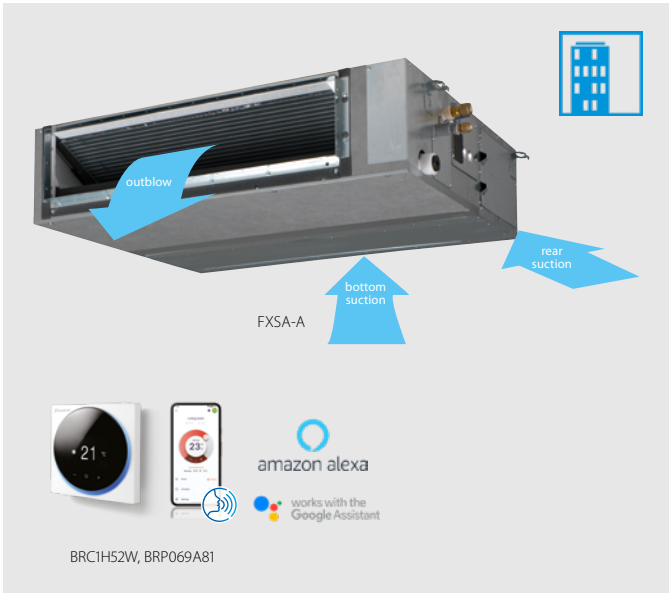
Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

› Standard built-in drain pump with 625mm lift increases flexibility and installation speed





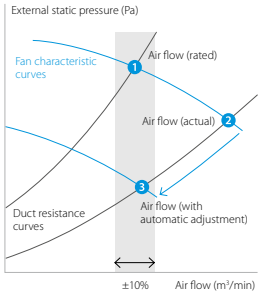
BRC1H52W, BRP069A81

Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes.

FXSA-A

Indoor Unit					FXSA	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	At high fan speed			kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	At high fan speed			kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00	18.00
Power input - 50Hz	Cooling	At high fan speed			kW		0.046		0.049	0.094	0.096	0.106	0.143	0.176	0.216	0.272
	Heating	At high fan speed			kW		0.046		0.049	0.094	0.096	0.106	0.143	0.176	0.216	0.272
Dimensions	Unit	HeightxWidthxDepth			mm		245x550x800			245x700x800		245x1,000x800		245x1,400x800		245x1,550x800
Weight	Unit				kg		23.5		24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material					Galvanised steel plate										
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed		m^3/min	8.7/7.5/6.5	9.0/7.5/6.5		9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
		Heating	At high / medium / low fan speed		m^3/min	8.7/7.5/6.5	9.0/7.5/6.5		9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	42.5/34.0/28.0
	External static pressure - 50Hz	Factory set / High			Pa		30/150						40/150		50/150	
Air filter	Type					Resin net										
Sound power level	Cooling	At high fan speed			dBA		54		55	60		59	61		64	
Sound pressure level	Cooling	At high / medium / low fan speed			dBA	29.5/28.0/25.0	30.0/28.0/25.0		31.0/29.0/26.0	35.0/32.0/29.0		33.0/30.0/27.0	35.0/32.0/29.0	36.0/34.0/31.0	39.0/36.0/33.0	41.5/38.0/34.0
	Heating	At high / medium / low fan speed			dBA	31.5/29.0/26.0	32.0/29.0/26.0		33.0/30.0/27.0	37.0/34.0/29.0		35.0/32.0/28.0	37.0/34.0/30.0	37.0/34.0/31.0	40.0/37.0/33.0	42.0/38.5/34.0
Refrigerant	Type/GWP					R-32/675.0										
Piping connections	Liquid	OD			mm	6.35								9.52		
	Gas	OD			mm	9.52				12.70				15.90		
	Drain					VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse amps (MFA)				A	6										
Control systems	Infrared remote control					BRC4C65 / BRC4C66 (1)										
	Wired remote control					BRC1H52W/S/K										

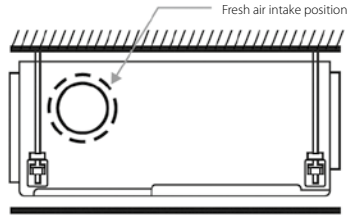
(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

Concealed ceiling unit with high ESP

Ideal for large sized spaces ESP up to 250 Pa

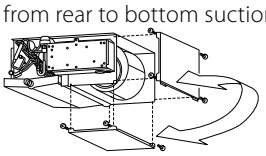
- Optimised design for R-32 refrigerant
- High external static pressure up to 250Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required (50-125 class)

Fresh air intake opening in casing

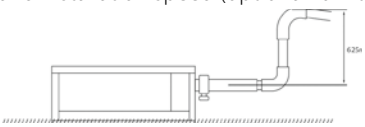


* Brings in up to 10% of fresh air into the room

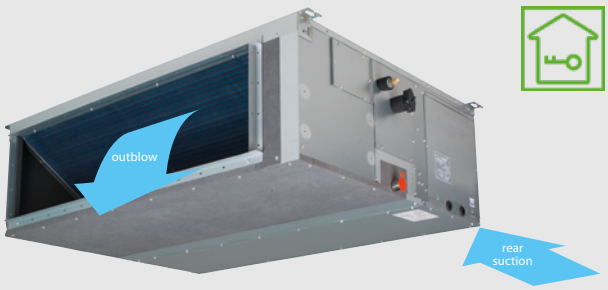
- Flexible installation, as the air suction direction can be altered from rear to bottom suction (50-125 class)



- Standard built-in drain pump with 625mm lift increases flexibility and installation speed (optional for 200-250)



- Large capacity unit: up to 31.5 kW heating capacity



FXMA200-250A



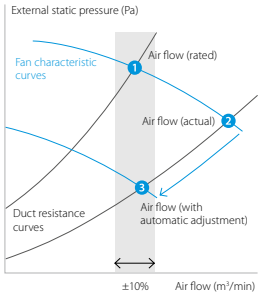
BRC1H52W, BRP069C51

Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes.

FXMA-A

Indoor Unit				FXMA	50A	63A	80A	100A	125A	200A	250A
Cooling capacity	Total capacity	At high fan speed		kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
	Nom.			kW			-			22.4	28.0
Heating capacity	Total capacity	At high fan speed		kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
	Nom.			kW			-			25.0	31.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.125	0.140	0.198	0.191	0.254	0.54	0.65
	Heating	At high fan speed		kW	0.125	0.140	0.198	0.191	0.254	0.54	0.65
Required ceiling void >				mm			350			-	
Dimensions	Unit	HeightxWidthxDepth		mm		300x1,000x700		300x1,400x700		470x1,490x1,100	
Weight	Unit			kg		35		46		105	115
Casing	Material						Galvanised steel plate				
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m³/min	18.0/16.5/15.0	19.5/17.5/16.0	25.0/22.5/20.0	32.0/27.0/23.0	36.0/30.0/26.0	62/48/41	74/64/52
		Heating	At high / medium / low fan speed	m³/min	18.0/16.5/15.0	19.5/17.5/16.0	25.0/22.5/20.0	32.0/27.0/23.0	36.0/30.0/26.0	62/48/41	74/64/52
	External static pressure - 50Hz	Factory set / High / Low		Pa			100/200/-			150/250/50	
Air filter	Type						Resin net			-	
Sound power level	Cooling	At high / medium / low fan speed		dBA	61.0/60.0/58.0	64.0/61.0/59.0	67.0/64.0/62.0	65.0/61.0/56.0	70.0/66.0/62.0	75/74/72	76/75/73
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48/46.5/45	
	Heating	At high / medium / low fan speed		dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48/46.5/45	
Refrigerant	Type/GWP						R-32/675				
Piping connections	Liquid	OD		mm		6.35		9.52			
	Gas	OD		mm		12.70		15.90		19.1	
	Drain						VP25 (I.D. 25/O.D. 32)			BSP1	
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/60/220-240/220			1~/50/60/220-240/220-230	
Current - 50Hz	Maximum fuse amps (MFA)			A			6				
Control systems	Infrared remote control						BRC4C65 / BRC4C66			BRC4C65	
	Wired remote control						BRC1H52W/S/K				

Contains fluorinated greenhouse gases

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Optimised design for R-32 refrigerant
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit



More details and final information can be found by scanning or clicking the QR codes.

FXAA-A

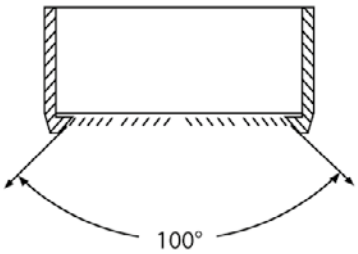
Indoor Unit					FXAA	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fan speed		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input – 50Hz	Cooling	At high fan speed		kW	0.017	0.019	0.028	0.030	0.025	0.033	0.050
	Heating	At high fan speed		kW	0.025	0.029	0.034	0.035	0.030	0.039	0.060
Dimensions	Unit	HeightxWidthxDepth		mm	290x795x266				290x1,050x269		
Weight	Unit			kg	12				15		
Fan	Air flow rate – 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	7.1/6.8/6.5	7.9/7.2/6.5	8.3/7.4/6.5	9.4/8.0/6.5	12.2/11.0/9.8	14.2/12.6/10.9	18.2/15.5/12.9
		Heating	At high/medium/ low fan speed	m^3/min	7.8/7.1/6.5	8.6/7.5/6.5	9.0/7.7/6.5	9.9/8.2/6.5	12.2/11.0/9.8	15.2/13.7/12.1	18.7/16.4/14.1
Air filter	Type				Removable / washable						
Sound power level	Cooling	At high fan speed		dBA	51.0	52.0	53.0	55.0		58.0	63.0
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	32.0/30.5/28.5	33.0/31.0/28.5	35.0/32.0/28.5	37.5/33.0/28.5	37.0/35.5/33.5	41.0/38.5/35.5	46.5/42.5/38.5
	Heating	At high/medium/low fan speed		dBA	33.0/31.0/28.5	34.0/31.5/28.5	36.0/32.5/28.5	38.5/33.5/28.5	38.0/36.0/33.5	42.0/39.0/35.5	47.0/43.0/38.5
Refrigerant	Type/GWP				R-32/675.0						
Piping connections	Liquid	OD		mm	6.35						
	Gas	OD		mm	9.52				12.70		
	Drain				VP13 (I.D. 15/O.D. 18)						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240						
Current – 50Hz	Maximum fuse amps (MFA)			A	6						
Control systems	Infrared remote control				BRC7EA630 (1)						
	Wired remote control				BRC1H52W/S/K						

(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

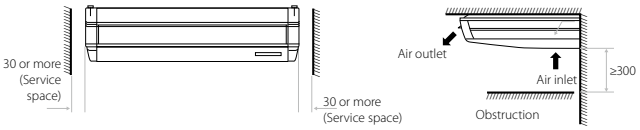
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

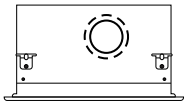
› Optimised design for R-32 refrigerant
› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required
Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating.



More details and final information can be found by scanning or clicking the QR codes.

FXHA-A

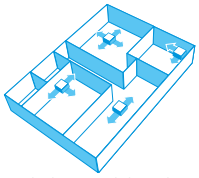
Indoor Unit				FXHA	32A	50A	63A	100A
Cooling capacity	Total capacity	At high fan speed		kW	3.6	5.6	7.1	11.2
	Nom.			kW	3.6	5.6	7.1	11.2
Heating capacity	Total capacity	At high fan speed		kW	4.0	6.3	8.0	12.5
	Nom.			kW	4.0	6.3	8.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.033	0.037	0.051	0.086
	Heating	At high fan speed		kW	0.033	0.037	0.051	0.086
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x1,270x690		235x1,590x690
Weight	Unit			kg	28	36		43
Casing	Material				Resin, sheet metal			
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	12.5/11.0/10.0	16.0/14.0/12.5	17.5/15.0/13.0	27.0/22.0/19.0
		Heating	At high / medium / low fan speed	m^3/min	12.5/11.0/10.0	16.0/14.0/12.5	17.5/15.0/13.0	27.0/22.0/19.0
Air filter	Type				Resin net			
Sound power level	Cooling	At high / medium / low fan speed		dBA	54.0/52.0/49.0	54.0/52.0/50.0	55.0/53.0/52.0	62.0/55.0/52.0
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	36.0/34.0/31.0	36.5/34.5/33.0	37.0/35.0/34.0	44.0/37.0/34.0
	Heating	At high / medium / low fan speed		dBA	36.0/34.0/31.0	36.5/34.5/33.0	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type/GWP				R-32/675			
Piping connections	Liquid	OD		mm	6.35			9.52
	Gas	OD		mm	9.52	12.7		15.9
	Drain				VP20			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Current - 50Hz	Maximum fuse amps (MFA)			A	6			
Control systems	Infrared remote control				BRC7GA53-9			
	Wired remote control				BRC1H52W/S/K			

Contains fluorinated greenhouse gases

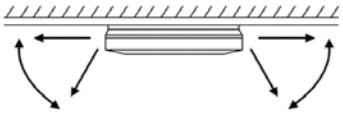
4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

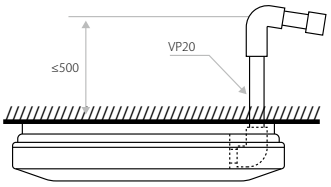
- Optimised design for R-32 refrigerant
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



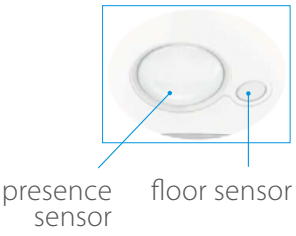
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating.
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- 5 different discharge angles between 0 and 60°can be programmed via the remote control



- Standard drain pump with 720mm lift increases flexibility and installation speed







More details and final information can be found by scanning or clicking the QR codes.

FXUA-A

Indoor Unit				FXUA	50A	71A	100A
Cooling capacity	Total capacity	At high fan speed		kW	5.6	8.0	11.2
	Nom.			kW	5.6	8.0	11.2
Heating capacity	Total capacity	At high fan speed		kW	6.3	9.0	12.5
	Nom.			kW	6.3	9.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.029	0.055	0.117
	Heating	At high fan speed		kW	0.029	0.055	0.117
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950		
Weight	Unit			kg	27		28
Casing	Material				Resin		
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	17.0/14.5/13.0	22.5/18.5/16.0	31.0/25.5/21.0
		Heating	At high / medium / low fan speed	m^3/min	17.0/14.5/13.0	22.5/18.5/16.0	31.0/25.5/21.0
Air filter	Type				Resin net		
Sound power level	Cooling	At high / medium / low fan speed		dBA	55.0/53.0/51.0	58.0/56.0/54.0	65.0/62.0/58.0
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	37.0/35.0/33.0	40.0/38.0/36.0	47.0/44.0/40.0
	Heating	At high / medium / low fan speed		dBA	37.0/35.0/33.0	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	Type/GWP				R-32/675		
Piping connections	Liquid	OD		mm	6.35		9.52
	Gas	OD		mm	12.7		15.9
	Drain				VP20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		
Current - 50Hz	Maximum fuse amps (MFA)			A	6		
Control systems	Infrared remote control				BRC7CB58 / BRC7CB59		
	Wired remote control				BRC1H52W/S/K		

Contains fluorinated greenhouse gases

Supporting a circular economy of refrigerants

LOOP BY DAIKIN

Towards a circular economy of refrigerants

With L∞P by Daikin we want to step away from producing more waste. Instead we will reuse what is already available, in a qualitative way.

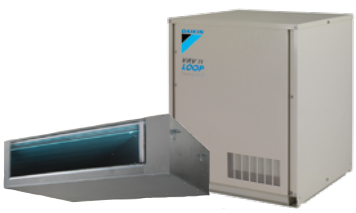
- **Saves over 400,000 kg of virgin refrigerant** being produced every year
- Greatly **reduces the CO_2 footprint of refrigerant production with 72%!**

For units produced and sold in Europe

- Exclusive to Daikin reclaimed gas is now used in our units
- Administratively allocated to VRV and chillers produced and sold in Europe

For more information visit
www.daikin.eu/loop-by-daikin

The most extensive VRV range on the market



VRV i-series



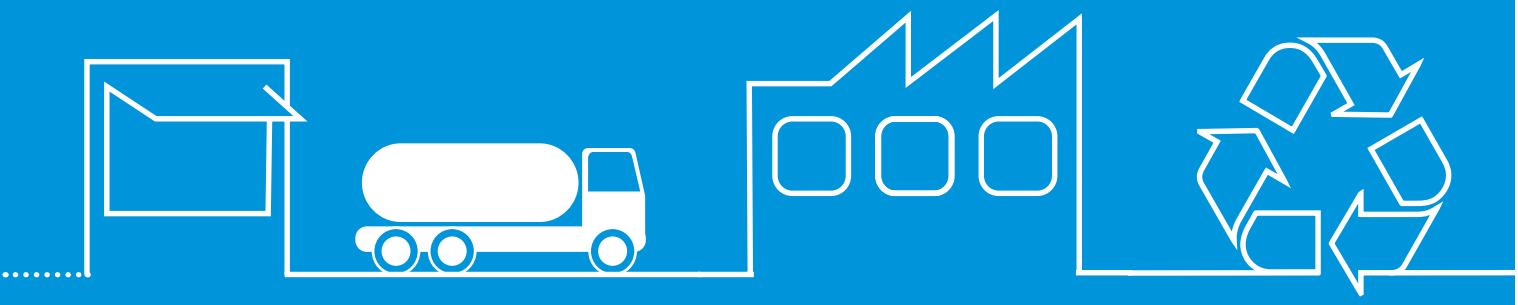
VRV S-series



VRV W-series



Heat recovery, heat pump and replacement series



Recover

We recover your **old refrigerant** for you from any unit and any brand.

Reclaim

The refrigerant is reclaimed in Europe, meaning regenerated in a **high-quality** way, in line with F-gas regulation definition.

Reuse

The reclaimed refrigerant is mixed with virgin refrigerant. The refrigerant's quality is **certified** by an independent laboratory. It meets AHRI 700 certified standards.

400,000kgs/year

72% lower CO_2 fooprint for production

For every application, a solution

Heat recovery with unique 3-pipe technology

Heat pump models with unique continuous heating during defrost

Dedicated **hot and cold climate** heat pumps offering efficient cooling up to 52°C and heating down to -25°C

Space saving mini VRV solutions, offering the most compact VRV

The invisible VRV, a unique solution when the outdoor unit must be compact and completely invisible

Replacement solutions to replace existing systems in **the most cost-effective way**

Water-cooled heat recovery and heat pump units, ideal for high rise buildings using water as heat source

A **complete total** solution integrating a wide range of indoor units, air curtains, hot water **hydroboxes** and **ventilation** units including air handling units

Products overview VRV IV

LOOP BY DAIKIN (1)

R-410A

	Model		Product name	4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	30
Air cooled - heat recovery	VRV IV heat recovery	UNIQUE Best efficiency & comfort solution › Fully integrated solution with heat recovery for maximum efficiency › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › "Free" heating and hot water through heat recovery › The perfect personal comfort for guests/tenants via simultaneous cooling and heating › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating › Allows technical cooling › Widest range of BS boxes on the market	REYQ-U VRV IV+ 				●	●	●		●	●	●	●					
								●		●		●	●	●	●	●	●	●	●
Air cooled - heat pump	VRV IV heat pump with continuous heating	Daikin's optimum solution with top comfort › Continuous heating during defrost › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › Connectable to stylish indoor units (Daikin Emura, Stylish,...) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating	RYYQ-U* VRV IV+ 				●	●	●		●	●	●	●					
												●	●	●	●	●	●	●	●
	VRV IV heat pump without continuous heating	Daikin's solution for comfort & low energy consumption › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › Connectable to stylish indoor units (Daikin Emura, Stylish,...) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQ-U* VRV IV+ 				●	●	●		●	●	●	●					
												●	●	●	●	●	●	●	●
	VRVIV-S series Compact	The most compact VRV › Compact and lightweight single fan design saves space and is easy to install › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains › Either connect VRV of stylish indoor units (Daikin Emura, Stylish,...) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSCQ-TV1 VRV IV S-series Compact 	●	●	●															
	VRVIV-S series	UNIQUE Space saving solution without compromising on efficiency › Space saving trunk design for flexible installation › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains › Either connect VRV of stylish indoor units (Daikin Emura, Stylish,...) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSQ-TV9/TY9/TY1 VRV IV S-series  TV9	●	●	●															
			TY9/TY1	●	●	●	●	●	●												
	VRV IVheat pump for indoor installation	UNIQUE The invisible VRV › Unique VRV heat pump for indoor installation › Total flexibility for any shop location and building type as the outdoor unit is invisible and split up in 2 parts › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation and Biddle air curtains	SB.RKXYQ-T(8) VRV IV i-series 		●		●													
	VRV IV heat pump, optimised for cold climates	Where heating is priority without compromising on efficiency › Suitable for single source heating › Extended operation range down to -25°C in heating › Stable heating capacity without any capacity loss down to -15°C › Very economical solution as a smaller outdoor unit model can be used compared to the standard series	RXYLQ-T VRV IV C+series 					●	●		●	●	●	●	●	●	●	●	●
Replacement	heat recovery	Quick & quality replacement for R-22 and R-407C systems › Cost-effective and fast replacement through re-use of exisiting piping › Drastically improve your comfort, efficiency and reliability › No interuption of daily business while replacing your system › Replace Daikin and other manufacturers systems safely	RQCEQ-P3 VRVIII-Q 					●		●		●	●	●	●	●	●	●	●
	heat pump	Quick & quality replacement for R-22 and R-407C systems › Cost-effective and fast replacement through re-use of exisiting piping › Drastically improve your comfort, efficiency and reliability › No interuption of daily business while replacing your system › Replace Daikin and other manufacturers systems safely › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQQ-U VRV IV Q+series 		●		●	●	●		●	●	●	●					
												●	●	●	●	●	●	●	●
Water cooled	Water cooled VRV IV	Ideal for high rise buildings, using water as heat source › Reduced CO_2 emissions thanks to the use of geothermal energy as a renewable energy source › No need for an external heating or cooling source when used in geothermal mode › Compact & lightweight design can be stacked for maximum space saving › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature › Variable Water Flow control option increases flexibility and control › Mixed connection of HT hydroboxes and VRV indoor units › Either connect VRV of stylish indoor units (Daikin Emura, Stylish,...) › 2 analogue input signals allowing external control	RWEYQ-T9(2) VRV IV W+series 				●	●	●		●								
												●	●	●	●	●	●	●	●

(1) LOOP by Daikin is applicable for VRV units produced and sold in Europe (EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland). RXYSCQ-TV1, RXYSQ8-10-12TY1 and RQCEQ-P3 are not part of the LOOP by Daikin programme.
(2) Range not Eurovent certified.
(3) Multi combinations are not in scope of the Eurovent certificaton programme

● Single unit
● Multi combination

Capacity (HP)												Description / Combination	**VRV** indoor units	Residential indoor units	**LT Hydrobox** HXY-A	**HT Hydrobox** HXHD-A	HRV units VAM-, VKM-	**AHU connection** EKEXV- + EKEQMCBA	**AHU connection** EKEXV- + EKEQFCBA	**Air curtains** CYV-DK-	Remarks
32	34	36	38	40	42	44	46	48	50	52	54										
												VRV IV⁺ Heat Recovery REYQ	O		O	O	O	O		O	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								
												with LT/HT Hydroboxes	✓		✓	✓	✓				› Max 32 indoor units, even on 16HP and larger systems › Total system connection ratio with HT hydroboxes up to 200% possible
												HRV units VAM-, VKM-	✓		✓	✓	✓	✓		✓	› Dedicated systems (with only ventilation units) not allowed – a mix with standard VRV indoor units is always necessary
●	●	●	●	●	●	●	●	●	●	●	●	AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	
												Biddle air curtain CYV-DK-	✓				✓	✓		✓	› Total system connection ratio with AHU is 50 ~ 110%
												VRV IV⁺ Heat Pump (RYYQ/RXYQ)	O	O	O		O	O	O	O	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								› 200% total system connection ratio possible under special circumstances
												with residential indoor units	✓	✓			✓				› Only single-module systems (RYYQ 8~20 T / RXYQ 8~20 T) › Max 32 indoor units, even on 16HP, 18HP and 20HP systems › Connection ratio: 80 ~ 130%
●	●	●	●	●	●	●	●	●	●	●	●	with LT Hydroboxes	✓		✓		✓				› Max 32 indoor units, even on 16HP and larger systems › Contact Daikin in case of multi-module systems (>20HP)
												HRV units VAM-, VKM-	✓	✓	✓		✓	✓		✓	
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	› Total system connection ratio with AHU is 50 ~ 110%
												AHU connection EKEXV + EKEQFCBA							✓		
●	●	●	●	●	●	●	●	●	●	●	●	Biddle air curtain CYV-DK-	✓				✓	✓		✓	
												VRV IV-S RXYSQ-/RXYSCQ-	O	O			O	O		O	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units only	✓				✓	✓		✓	
												with residential indoor units only		✓							› With residential indoor: connection ratio limit: 80 ~ 130%
												VRV IV i series SB.RKXYQ	✓				✓	✓		✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-C⁺ series RXYLQ	O	O	O		O	O	O	O	› Standard total system connection ratio limit: 70 ~ 130%
												with VRV indoor units only	✓				✓			✓	
												with residential indoor units only		✓							› With residential indoor: connection ratio limit: 80 ~ 130%
●	●	●	●	●	●							with LT hydroboxes	✓		✓		✓				› Max. 32 indoor units, contact Daikin in case of multi-module systems (> 14HP)
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	› Total system connection ratio is 70~110%
												AHU connection EKEXV + EKEQFCBA	✓						✓		› With AHU only connection ration is 90~110%
												VRV III-Q⁺ series Replacement H/R RQCEQ	✓				✓				› Standard total system connection ratio limit: 50 ~ 130%
●	●	●	●	●	●							**VRV IV-Q Replacement H/P** RXYQQ	✓				✓	✓		✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-W⁺ series Water-cooled VRV RWEYQ	O	O		O	O	O	O	O	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units	✓			✓	✓	✓	✓	✓	
												with split indoor units	✓	✓			✓				› Only single-module systems (RWEYQ8-14T9) › Max 32 indoor units › Connection ratio: 80 ~ 130% › only in heat pump version
●	●	●	●	●	●							with HT hydrobox	✓			✓					
												AHU connection	✓					✓			› Total system connection ratio with AHU + X indoor is 50 ~ 110% › Total system connection ration with AHU only is 90~ 110%

O ... connection of indoor unit possible, but not neccessarily simultaneously with other allowed indoor units
✓ ... connection of indoor unit possible even simultaneously with other checked units in the same row
× ... connection of indoor not possible on this outdoor unit system





Perial Asset Management

L∞P by Daikin is assisting clients in creating their own circular economy of refrigerants

Perial Asset Management (Perial AM) manages a diverse real estate portfolio mainly located in France and increasingly in Europe. The company is committed to reducing energy and water consumption as part of a continuous improvement process.

The arrival of new tenants at an office building in Boulogne-Billancourt spurred Perial Asset Management's decision to carry out renovation work to meet Perial AM's CSR objectives.

Constructed in the 1990s, the refurbished building extends over a surface area of 4,200 m^2 comprising the ground floor and seven stories, including offices and creating a 1,800 m^2 ERP area.
Working with Perial Asset Management (Perial AM), Daikin installed new VRV units with reclaimed refrigerant at their office building, while recycling the R-410A refrigerant from the old units to use it as a field charge for the new system.

Daikin is the only manufacturer in the market able to offer customers a holistic approach to reusing their refrigerant in new projects via its L∞P by Daikin program.

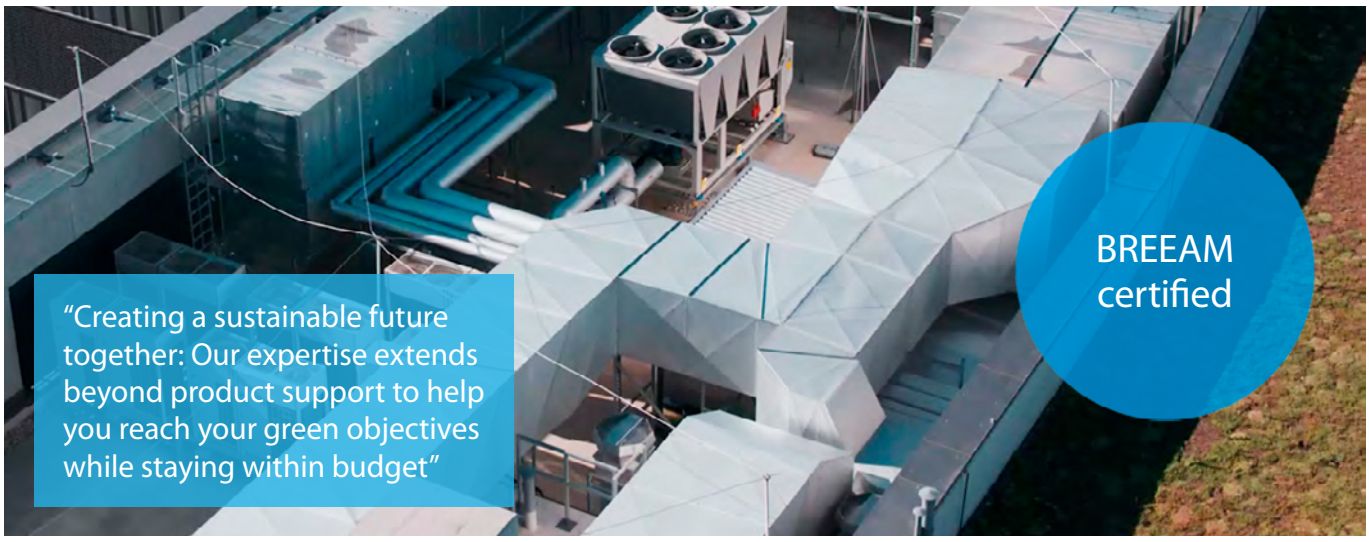
Las Arenas historic hotel, opts for sustainable upgrade

- Choosing a sustainable replacement solution was on top of the agenda
- Separate temperature zones enable every room to be controlled individually, adjusting the comfort conditions to suit the individual or activity
- 88 outdoor units were replaced in a record six months
- A true circular economy example:
  - Reuse of copper piping and indoor units
  - Reuse of regenerated refrigerant



L1 complex Multifunctional building with BREEAM certification

- A total solution, including VRV heat pumps, multiple scroll chillers and Air Handling Units (AHUs), centrally managed through Daikin's Intelligent Touch Manager mini BMS
- Daikin's Accredited Professionals (AP's) collaborated with the project team to maximise the building's BREEAM rating
- Daikin heat pumps can contribute in 6 out of 10 BREEAM categories, adding up to 30 credits



More cases at: https://www.daikin.eu/en_us/about/case-studies.html



Innovation in detail

L∞P by Daikin

Make a positive choice and reuse refrigerant to avoid more than 400,000 kg of virgin gas being produced each year.

Insprired to help?
Find out more about Daikin's initiatives to build a circular economy of refrigerants: www.daikin.eu/building-a-circular-economy

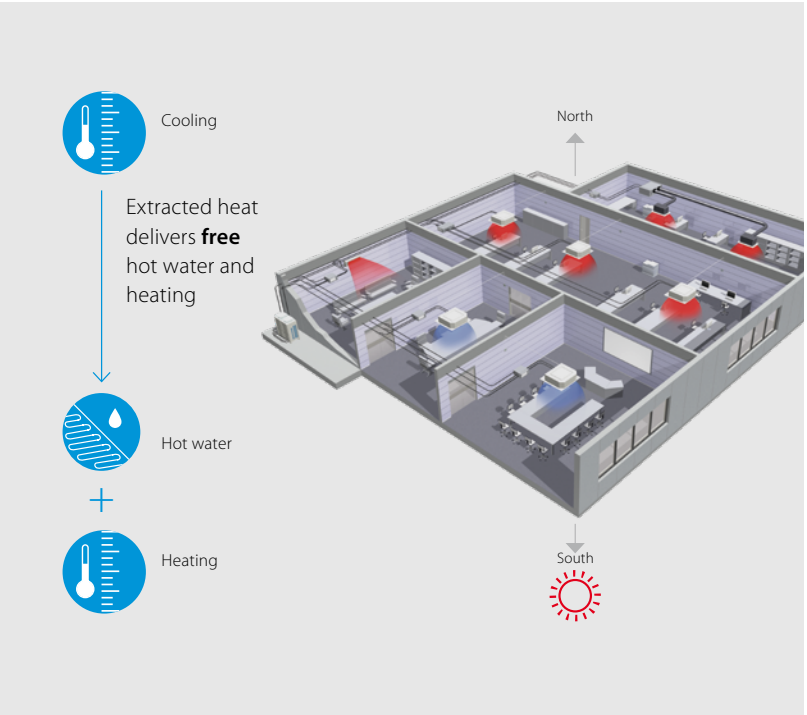
"Free" heat and hot water production

An integrated heat recovery system reuses heat from offices, server rooms, to warm other areas or create hot water.

Maximum comfort

A VRV heat-recovery system allows simultaneous cooling and heating.

› For hotel owners, this means a perfect environment for guests as they can freely choose between cooling or heating.
› For offices, it means a perfect working indoor climate for both north and south-facing offices.



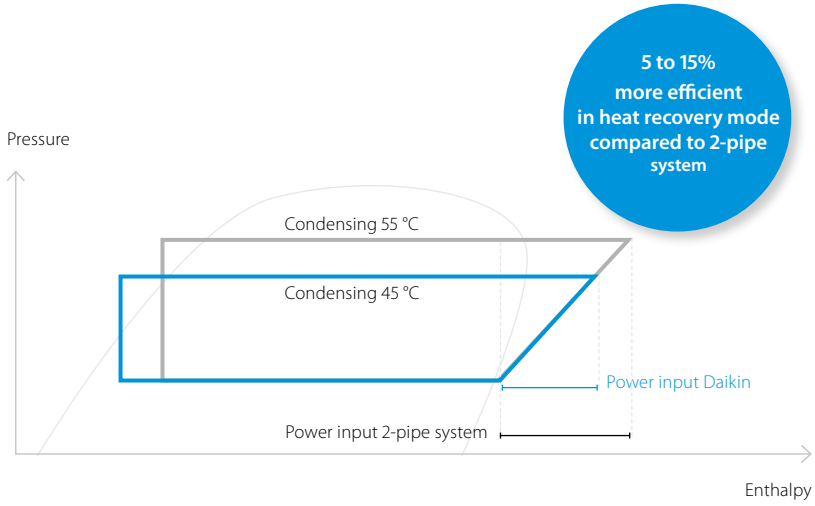
Advantages of 3-pipe technology

Efficient **3-pipe** system

More "free" heat

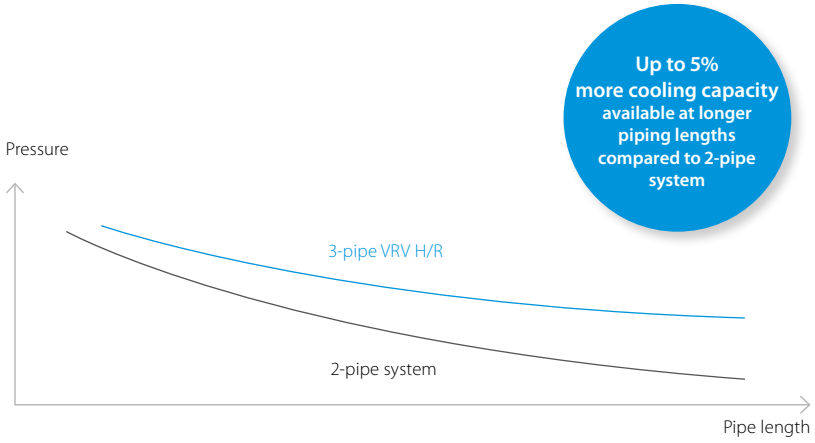
Daikin 3-pipe technology needs less energy to recover heat, meaning significantly higher efficiency during heat recovery mode. Our system can recover heat at a low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system, gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.



Lower pressure drop means more efficiency

› Smooth refrigerant flow in 3-pipe system thanks to 2 smaller gas pipes results in higher energy efficiency
› Disturbed refrigerant flow in large gas pipe on 2-pipe system results in bigger pressure drop



Maximum design flexibility and installation speed

› Quickly and flexibly design your system with a unique range of single and multi BS boxes.
› A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
› Free combination of single and multi BS boxes

Single port



BS1Q 10,16,25A

Multi port: 4 – 6 – 8 – 10 – 12 – 16



BS 4 Q14 A



BS 6, 8 Q14 A



BS 10, 12 Q14 A



BS 16 Q14 A

VRV IV+ heat recovery

Best efficiency & comfort solution

› Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8!
› Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
› „Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
› The perfect personal comfort for guests/tenants via simultaneous cooling and heating
› Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
› Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
› Free combination of outdoor units to meet installation space or efficiency requirements
› Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
› Possibility to extend the operation range in cooling down to -20°C for technical cooling operation such as server rooms
› Contains all standard VRV features

LOOP BY DAIKIN

For units made and sold in Europe*

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit				REYQ	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination					4x FXFQ50AVEB	4x FXFQ63AVEB	6x FXFQ50AVEB	1x FXFQ50AVEB + 5x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	3x FXFQ50AVEB + 5x FXFQ63AVEB	2x FXFQ50AVEB + 6x FXFQ63AVEB
ηs,c				%	286.1	264.8	257.0	255.8	243.1	250.6	246.7
ηs,h				%	165.1	169.7	183.8	168.3	167.5	172.5	162.7
SEER					7.2	6.7	6.5		6.2	6.3	6.2
SCOP					4.2	4.3	4.7	4.3		4.4	4.1
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.				-						
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	230			314		317	
Sound power level	Cooling	Nom.		dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated,h		dBA	79.6	80.9	83.5	83.9	86.9	85.3	89.8
Sound pressure level	Cooling	Nom.		dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0 ~43.0						
	Heating	Min.~Max.		°CWB	-20.0 ~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	9.7/20.2	9.8/20.5	9.9/20.7	11.8/24.6			
Piping connections	Liquid	OD		mm	9.52		12.7			15.9	
	Gas	OD		mm	19.1	22.2	28.6				
	HP/LP gas	OD		mm	15.9	19.1		22.2			28.6
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

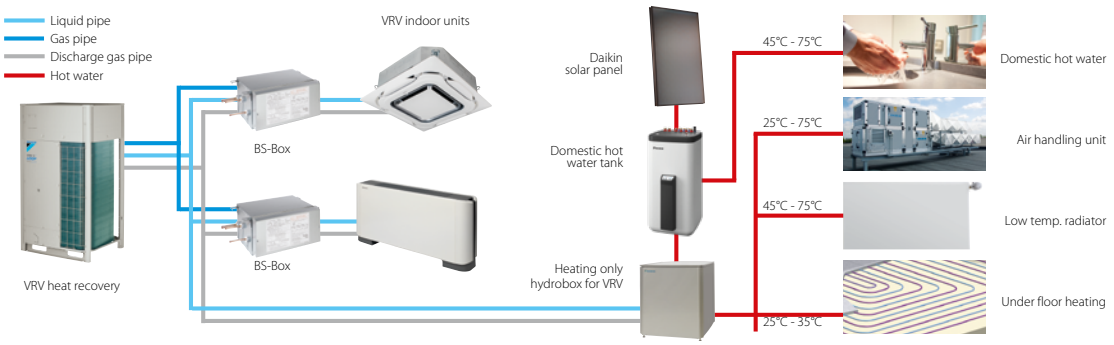
Outdoor unit system				REYQ	10U	13U	16U	18U	20U	22U	24U	26U	28U	30U	32U
System	Outdoor unit module 1				REMQ5U			REYQ8U		REYQ10U	REYQ8U		REYQ12U		REYQ16U
	Outdoor unit module 2				REMQ5U	REYQ8U		REYQ10U	REYQ12U		REYQ16U	REYQ14U	REYQ16U	REYQ18U	REYQ16U
Capacity range				HP	10	13	16	18	20	22	24	26	28	30	32
Cooling capacity	Prated,c			kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
Heating capacity	Prated,h			kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
	Max.	6°CWB		kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	94.0	100.0
Recommended combination					4x FXFQ63AVEB	3x FXFQ50AVEB + 3x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB	10x FXFQ50AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	7x FXFQ50AVEB + 5x FXFQ63AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 5x FXFQ63AVEB	8x FXFQ63AVEB + 4x FXFQ80AVEB
ηs,c				%	275.1	301.3	288.6	272.9	266.0	260.4	257.7	257.5	251.9	266.8	243.1
ηs,h				%	158.8	160.6	168.2	167.9	175.7	178.5	167.6	175.5	174.8	179.4	169.1
SEER					7.0	7.6	7.3	6.9	6.7	6.6	6.5		6.4	6.7	6.2
SCOP					4.0	4.1	4.3		4.5		4.3	4.5	4.4	4.6	4.3
Maximum number of connectable indoor units					64 (1)										
Indoor index connection	Min.				125.0	163.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0
	Nom.				-										
	Max.				325.0	423.0	520.0	585.0	650.0	715.0	780.0	845.0	910.0	975.0	1,040.0
Piping connections	Liquid	OD		mm	9.52	12.7		15.9				19.1			
	Gas	OD		mm	22.2	28.6					34.9				
	HP/LP gas	OD		mm	19.1		22.2		28.6						
	Total piping length	System	Actual	m	500				1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)			A	40		50		63				80		



REYQ10,13,16,18,20,22U

More details and final information can be found by scanning or clicking the QR codes.

REYQ-U



Outdoor unit system			REYQ	34U	36U	38U	40U	42U	44U	46U	48U	50U	52U	54U
System	Outdoor unit module 1			REYQ16U		REYQ8U	REYQ10U		REYQ12U	REYQ14U	REYQ16U			REYQ18U
	Outdoor unit module 2			REYQ18U	REYQ20U	REYQ12U		REYQ16U					REYQ18U	
	Outdoor unit module 3			-		REYQ18U		REYQ16U				REYQ18U		
Capacity range			HP	34	36	38	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c		kW	95.4	97.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h		kW	95.4	101.0	106.4	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
	Max.	6°CWB	kW	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Recommended combination				3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB	2x FXFQ50AVEB + 10x FXFQ63AVEB + 2x FXFQ80AVEB	6x FXFQ50AVEB + 10x FXFQ63AVEB	9x FXFQ50AVEB + 9x FXFQ63AVEB	12x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 8x FXFQ63AVEB + 4x FXFQ80AVEB	1x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	12x FXFQ63AVEB + 6x FXFQ80AVEB	3x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 14x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 15x FXFQ63AVEB
ηs,c			%	259.2	255.3	269.2	259.6	250.2	249.3	246.8	243.1	254.4	265.7	275.2
ηs,h			%	172.0	166.3	176.0	176.1	167.8	171.9	168.8	168.5	170.3	171.7	173.3
SEER				6.6	6.5	6.8	6.6	6.3		6.2		6.4	6.7	7.0
SCOP				4.4	4.2	4.5		4.3	4.4	4.3			4.4	
Maximum number of connectable indoor units				64 (1)										
Indoor index connection	Min.			425.0	450.0	475.0	500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Nom.			-										
	Max.			1,105.0	1,170.0	1,235.0	1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD	mm	19.1										
	Gas	OD	mm	34.9	41.3									
	HP/LP gas	OD	mm	28.6		34.9								
	Total piping length	System Actual	m	1,000										
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)		A	80		100					125			

Outdoor unit module			REMQ	5U
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765
Weight	Unit		kg	230
Fan	External static pressure	Max.	Pa	78
Sound power level	Cooling	Nom.	dBA	78.0
Sound pressure level	Cooling	Nom.	dBA	57.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~43.0
	Heating	Min.~Max.	°CWB	-20.0 ~15.5
Refrigerant	Type/GWP			R-410A/2,087.5
	Charge		kg/TCO2Eq	9.7/20.2
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	20

(1)Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%)
Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%) | Contains fluorinated greenhouse gases
* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

VRV IV+ heat pump

Daikin's optimum solution with top comfort

- By choosing a LOOP by Daikin product you support the reuse of refrigerant, for more information visit www.daikin.eu/loop-by-daikin
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- Available as heating only by irreversible field setting
- Contains all standard VRV features

LOOP BY DAIKIN

For units made and sold in Europe*

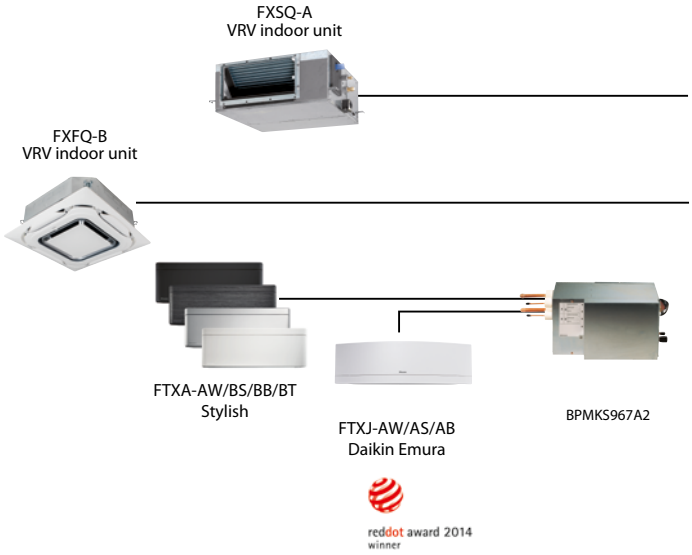
ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit				RYYQ/RXYQ	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination					4x FXFQ50AVEB	4x FXFQ63AVEB	6x FXFQ50AVEB	1x FXFQ50AVEB + 5x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	3x FXFQ50AVEB + 5x FXFQ63AVEB	2x FXFQ50AVEB + 6x FXFQ63AVEB
ηs,c				%	302.4	267.6	247.8	250.7	236.5	238.3	233.7
ηs,h				%	167.9	168.2	161.4	155.4	157.8	163.1	156.6
SEER					7.6	6.8	6.3		6.0		5.9
SCOP					4.3		4.1	4.0		4.2	4.0
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	198			275		308	
Sound power level	Cooling	Nom.		dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated,h		dBA	79.6	80.9	83.5	83.1	86.5	85.3	89.8
Sound pressure level	Cooling	Nom.		dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0 ~43.0						
	Heating	Min.~Max.		°CWB	-20.0 ~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	11.3/23.6	11.7/24.4	11.8/24.6
Piping connections	Liquid	OD		mm	9.52		12.7			15.9	
	Gas	OD		mm	19.1	22.2	28.6				
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50 /380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor unit system			RYYQ/RXYQ	22U	24U	26U	28U	30U	32U	34U	36U	38U
System	Outdoor unit module 1			RXYQ10U	RXYQ8U	RXYQ12U			RXYQ16U			RXYQ8U
	Outdoor unit module 2			RXYQ12U	RXYQ16U	RXYQ14U	RXYQ16U	RXYQ18U	RXYQ16U	RXYQ18U	RXYQ20U	RXYQ10U
	Outdoor unit module 3			-								RXYQ20U
Capacity range			HP	22	24	26	28	30	32	34	36	38
Cooling capacity	Prated,c		kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4
Heating capacity	Prated,h		kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	106.4
	Max.	6°CWB	kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5
Recommended combination				6x FXFQ50AVEB + 4x FXFQ63AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	7x FXFQ50AVEB + 5x FXFQ63AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 5x FXFQ63AVEB	8x FXFQ63AVEB + 4x FXFQ80AVEB	3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB	2x FXFQ50AVEB + 10x FXFQ63AVEB + 2x FXFQ80AVEB	6x FXFQ50AVEB + 10x FXFQ63AVEB
ηs,c			%	274.5	269.9	264.2	257.8	256.8	251.7	253.3	250.8	272.4
ηs,h			%	171.2	167.0	164.6	166.0	169.8	163.1	166.2	162.4	167.5
SEER				6.9	6.8	6.7	6.5		6.4		6.3	6.9
SCOP				4.4	4.3	4.2		4.3	4.2		4.1	4.3
Maximum number of connectable indoor units				64 (1)								
Indoor index connection	Min.			275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0
	Nom.			-								
	Max.			715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0
Piping connections	Liquid	OD	mm	15.9		19.1						
	Gas	OD	mm	28.6	34.9						41.3	
	Total piping length	System	Actual m	1,000								
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /380-415								
Current - 50Hz	Maximum fuse amps (MFA)		A	63				80				100




RYYQ8-12U

Connectable stylish indoor units

			20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit		FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit		FTXA-AW/BS/BB/BT	•	•	•	•	•		
Perfera wall mounted		FTXM-R	•	•	•	•	•	•	•
Perfera floor standing	NEW	FVXM-A9	•	•	•		•		

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

More details and final information can be found by scanning or clicking the QR codes.

RYYQ-U RXYQ-U

Outdoor unit system			RYYQ/RXYQ	40U	42U	44U	46U	48U	50U	52U	54U
System	Outdoor unit module 1			RXYQ10U		RXYQ12U	RXYQ14U		RXYQ16U		RXYQ18U
	Outdoor unit module 2			RXYQ12U	RXYQ16U					RXYQ18U	
	Outdoor unit module 3			RXYQ18U	RXYQ16U				RXYQ18U		
Capacity range			HP	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c		kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h		kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
	Max.	6°CWB	kW	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Recommended combination				9x FXFQ50AVEB + 9x FXFQ63AVEB	12x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 8x FXFQ63AVEB + 4x FXFQ80AVEB	1x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	12x FXFQ63AVEB + 6x FXFQ80AVEB	3x FXFQ50AVEB + 13x FXFQ63AVEB + 4x FXFQ80AVEB	6x FXFQ50AVEB + 14x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 15x FXFQ63AVEB
ηs,c			%	263.5	261.2	255.9	254.9	251.7	252.8	253.7	254.1
ηs,h			%	170.0	165.5	164.5	162.0	162.8	165.2	167.2	169.4
SEER				6.7	6.6	6.5	6.4				
SCOP				4.3	4.2		4.1		4.2	4.3	
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Max.			1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD	mm	19.1							
	Gas	OD	mm	41.3							
	Total piping length	System Actual	m	1,000							
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /380-415							
Current - 50Hz	Maximum fuse amps (MFA)		A	100				125			

Outdoor unit module			RYMQ	8U	10U	12U	14U	16U	18U	20U
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765			1,685x1,240x765			
Weight	Unit		kg	198			275		308	
Fan	External static pressure	Max.	Pa	78						
Sound power level	Cooling	Nom.	dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated,h	dBA	79.6	80.9	83.5	83.1	86.5	85.3	89.8
Sound pressure level	Cooling	Nom.	dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~43.0						
	Heating	Min.~Max.	°CWB	-20.0 ~15.5						
Refrigerant	Type/GWP			R-410A/2,087.5						
	Charge		kg/TCO2Eq	5.9 /12.3	6.0 /12.5	6.3 /13.2	10.3 /21.5	11.3 /23.6	11.7 /24.4	11.8 /24.6
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32		40		50

(1)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | Contains fluorinated greenhouse gases

* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

VRV IV S-series compact heat pump

The most compact VRV

- Compact & lightweight single fan design makes the unit almost unnoticeable
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Perfera...
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Night quiet mode reduces sound pressure with up to 8dBa
- Contains all standard VRV features



RXYSCQ-TV1

Only 823mm high!

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				●		●	●	●
Fully flat cassette	FFA-A9			●	●		●	●	
Slim concealed ceiling unit	FDXM-F9			●	●		●	●	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			●	●		●	●	
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB		●	●	●		●		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT		●	●	●	●	●		
Perfera wall mounted	FTXM-R	●	●	●	●	●	●	●	●
Ceiling suspended unit	FHA-A(9)				●		●	●	●
Perfera floor standing	FVXM-A9		●	●	●		●		
Concealed floors tanding unit	FNA-A9			●	●		●	●	

More details and final information can be found by scanning or clicking the QR codes.

RXYSCQ-TV1

Outdoor unit			RXYSCQ	4TV1	5TV1	6TV1
Capacity range			HP	4	5	6
Cooling capacity	Prated,c		kW	12.1	14.0	15.5
Heating capacity	Prated,h		kW	12.1	14.0	15.5
	Max.	6°CWB	kW	14.2	16.0	18.0
Recommended combination				3x FXSQ25A2VEB + 1x FXSQ32A2VEB	4x FXSQ32A2VEB	2x FXSQ32A2VEB + 2x FXSQ40A2VEB
ηs,c			%	322.8	303.4	281.3
ηs,h			%	182.3	185.1	186.0
SEER				8.1	7.7	7.1
SCOP				4.6	4.7	
Maximum number of connectable indoor units				64 (1)		
Indoor index connection	Min.			50.0	62.5	70.0
	Max.			130.0	162.5	182.0
Dimensions	Unit	HeightxWidthxDepth	mm	823x940x460		
Weight	Unit		kg	89		
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0
	Heating	Prated,h	dBA	69.0	70.0	71.0
Sound pressure level	Cooling	Nom.	dBA	51.0	52.0	53.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~46.0		
	Heating	Min.~Max.	°CWB	-20.0 ~15.5		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	3.7/7.7		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9		19.1
	Total piping length	System Actual	m	300		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)		A	32		

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%). | Contains fluorinated greenhouse gases

VRV IV S-series heat pump

Space saving solution without compromising on efficiency

- By choosing this product with LOOP by Daikin you support the reuse of refrigerant
- Space saving trunk design for flexible installation
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Perfera...
- Wide range of units (4 to 12HP) suitable for projects up to 200m² with space limitations
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Contains all standard VRV features



RXYSQ4-6TV9_TY9

LOOP BY DAIKIN

For units made and sold in Europe*

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				●		●	●	●
Fully flat cassette	FFA-A9			●	●		●	●	
Slim concealed ceiling unit	FDXM-F9			●	●		●	●	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			●	●		●	●	
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB		●	●	●		●		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT		●	●	●	●	●		
Perfera wall mounted	FTXM-R	●	●	●	●	●	●	●	●
Ceiling suspended unit	FHA-A(9)				●		●	●	●
Perfera floor standing	FVXM-A9		●	●	●		●		
Concealed floors tanding unit	FNA-A9			●	●		●	●	

More details and final information can be found by scanning or clicking the QR codes.

RXYSQ-TV9 RXYSQ-TY9 RXYSQ-TY1

Outdoor unit			**RXYSQ**	**4TV9**	**5TV9**	**6TV9**	**4TY9**	**5TY9**	**6TY9**	**8TY1**	**10TY1**	**12TY1**
Capacity range			HP	4	5	6	4	5	6	8	10	12
Cooling capacity	Prated,c		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
Heating capacity	Prated,h		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
	Max.	6°CWB	kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5
Recommended combination				3x FXSQ25A2VEB + 1x FXSQ32A2VEB	4x FXSQ32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB	3x FXSQ25A2VEB + 1x FXSQ32A2VEB	4x FXSQ32A2VEB	2x FXSQ32A2VEB + 2x FXSQ40A2VEB	4x FXMQ50P7VEB	4x FXMQ63P7VEB	6x FXMQ50P7VEB
ηs,c			%	278.9	270.1	278.0	269.2	260.5	268.3	247.3	247.4	256.5
ηs,h			%	171.6	182.9	192.8	154.4	164.5	174.1	165.8	162.4	169.6
SEER				7.0	6.8	7.0	6.8	6.6	6.8	6.3		6.5
SCOP				4.4	4.6	4.9	3.9	4.2	4.4	4.2	4.1	4.3
Maximum number of connectable indoor units				64 (1)								
Indoor index connection	Min.			50.0	62.5	70.0	50.0	62.5	70.0	100.0	125.0	150.0
	Max.			130.0	162.5	182.0	130.0	162.5	182.0	260.0	325.0	390.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320						1,430x940x320	1,615x940x460	
Weight	Unit		kg	104						144	175	180
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
	Heating	Prated,h	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
Sound pressure level	Cooling	Nom.	dBA	50.0	51.0		50.0	51.0		55.0		57.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~46.0						-5.0 ~52.0		
	Heating	Min.~Max.	°CWB	-20.0 ~15.5								
Refrigerant	Type/GWP			R-410A/2,087.5								
	Charge		kg/TCO2Eq	3.6/7.5						5.5/11.5	7.0/14.6	8.0/16.7
Piping connections	Liquid	OD	mm	9.52								12.7
	Gas	OD	mm	15.9		19.1	15.9		19.1		22.2	25.4
	Total piping length	System Actual	m	300								
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240			3N~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)		A	32			16			25		32

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%). | Contains fluorinated greenhouse gases
* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland



VRV IV heat pump for indoor installation

SB.RKXYQ-T(8)

Keep looking you'll never find me

You can install highly efficient, reliable Daikin air conditioning systems in the most demanding locations while remaining invisible from street level.

Invisible
› Completely invisible only the grilles are visible
› Seamless integration into surrounding architecture
› Highly suited to densely populated areas thanks to the low operation sound

Intuitive
› Total flexibility as the outdoor unit is split up in 2 parts
› Easy and quick to transport and install by just 2 persons
› Easy servicability, all components can be easily reached

Intelligent
› Patented V-shape heat exchanger for the most compact unit (400 mm high) ever
› Connectable to all VRV indoor units
› Provides a total solution when combined with ventilation units, Biddle air curtains and controls

Unique concept with 5 patents

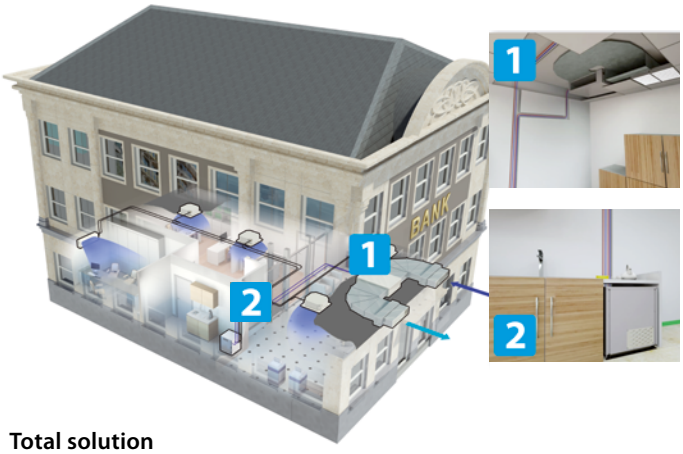
Variable Refrigerant Temperature

Invisible



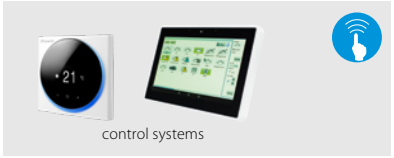


Unique outdoor unit in 2 parts



Total solution



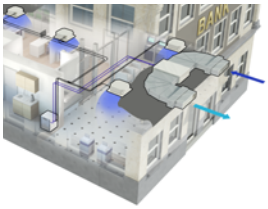




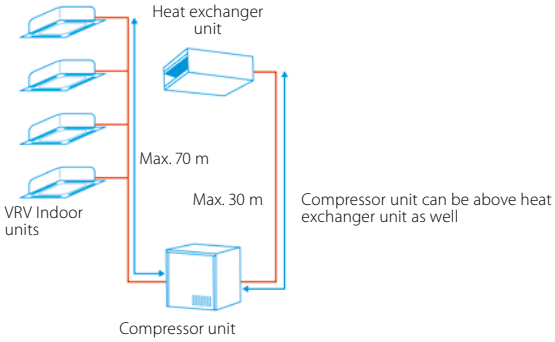
VRV IV heat pump for indoor installation

The invisible VRV

› Unique VRV heat pump for indoor installation



› Unrivalled flexibility because the unit is split up into two elements: the heat exchanger and the compressor



› Highly suited to densely populated areas thanks to the low operation sound and seamless integration into surrounding architecture as only the grille is visible
› Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator and full inverter compressors
› Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains



SB.RKXYQ5T8

› Lightweight units (max. 105kg) can be installed by two people
› Unique V-shape heat exchanger results in compact dimensions (h/e unit only 400mm high) allowing false ceiling installation, while ensuring top efficiency
› Super efficient centrifugal fans (over 50% efficiency increase compared to sirocco fan)
› Small footprint compressor unit (760 x 554 mm) maximizing useable floor space
› Connectable to all VRV control systems

LOOP BY DAIKIN

For units made and sold in Europe*

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

SB.RKXYQ-T

SB.RKXYQ-T8

Outdoor unit system				**SB.RKXYQ**	**5T8**	**8T**
System	Heat exchanger unit				RDXYQ5T8	RDXYQ8T
	Compressor unit				RKXYQ5T8	RKXYQ8T
Capacity range				HP	5	8
Cooling capacity	Prated,c			kW	14.0	22.4
Heating capacity	Prated,h			kW	10.4	12.9
	Max.	6°CWB		kW	16.0	25.0
Recommended combination					4x FXSQ32A2VEB	4x FXMQ50P7VEB
ηs,c				%	200.1	191.1
ηs,h				%	149.3	140.9
SEER					5.1	4.9
SCOP					3.8	3.6
Maximum number of connectable indoor units					10 (1)	17 (1)
Indoor index connection	Min.				62.5	100.0
	Max.				162.5	260.0
Piping connections	Between Compressor module (CM) and heat exchanger module (HM)	Liquid	OD	mm	12.7	
		Gas	OD	mm	19.1	22.2
	Between Compressor module (CM) and indoor units (IU)	Liquid	OD	mm	9.52	
		Gas	OD	mm	15.9	19.1
	Total piping length	System	Actual	m	140	300

					Heat exchanger module - RDXYQ		**Compressor module - RKXYQ**	
Outdoor unit module					**5T8**	**8T**	**5T8**	**8T**
Dimensions	Unit	HeightxWidthxDepth		mm	397x1,456x1,044		701x600x554	701x760x554
Weight	Unit			kg	95	103	79	105
Sound power level	Cooling	Nom.		dBA	77.0	81.0	60.0	64.0
Sound pressure level	Cooling	Nom.		dBA	47.0	54.0	47.0	48.0
Refrigerant	Type/GWP				R-410A/-		R-410A/2,087.5	
	Charge			kg/TCO2Eq	-/-		2.00 /4.20	4.00 /8.35
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50 /220-240		3N~/50 /380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	10		16	20

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤ 130%).



VRV IV+ heat pump, optimised for cold climates

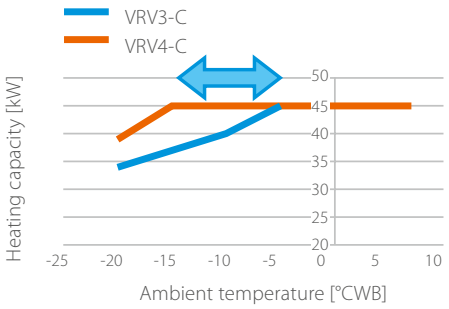
RXYLQ-T

Variable Refrigerant Temperature

Where heating is priority without compromising on efficiency

High heating capacity at low ambient temperatures

› Stable heating capacity available down to -15°C WB!

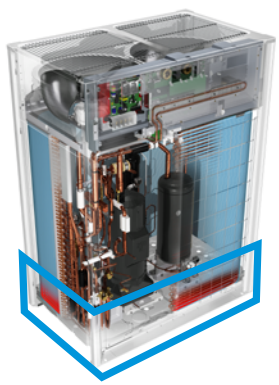


High partial load efficiency

› New vapour injection scroll compressor optimised for low load
- UNIQUE back-pressure control: Pressure port increases pressure below the scroll in low load operation, preventing refrigerant leak and increasing efficiency
- UNIQUE Injection structure with check valve: Prevents volume backflow during low load operation typically occuring with standard vapour injection compressors

› Variable Refrigerant Temperature adjusts refrigerant temperature to match the load





High reliability down to -25°C WB

› Hot gas bypass prevents ice buildup at the bottom of the heat exchanger

Already fully compliant
to LOT 21 - Tier 2

High seasonal efficiency

› **Measured with indoor units for real applications!**
› ALL information for indoor units used available on our eco-design website:
Already fully compliant https://energylabel.daikin.eu/eu/en_US/lot21.html

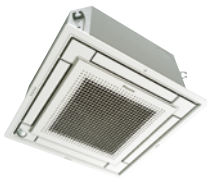
The known VRV IV standards

- ☑ Variable Refrigerant Temperature
- ☑ VRV configurator

Total solution



Daikin Emura
Wall mounted unit



Fully flat cassette



Biddle air curtain







Air handling unit for ventilation



Low temperature hydrobox

VRV IV heat pump, optimised for heating

Where heating is priority without compromising on efficiency

- By choosing this product with LOOP by Daikin you support the reuse of refrigerant
- Specifically developed for heating operation in low ambient conditions, making it suitable for single source heating
- Stable heating capacity down to -15°C, thanks to vapour injection compressor
- Extended operation range down to -25°C in heating
- High reliability in severe conditions, thanks to hot gas bypass circuit in the heat exchanger
- 15% increased heating capacity at high relative humidity (2°CDB/1°CWB and RH=83%) vs previous model
- Shorter defrost and heat up time, compared to standard VRV heat pump
- Very economical solution as a smaller outdoor unit model can be used compared to the standard series
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 500m
- Less installation time and smaller footprint compared to previous model thanks to removal of function unit

LOOP BY DAIKIN

For units made and sold in Europe*

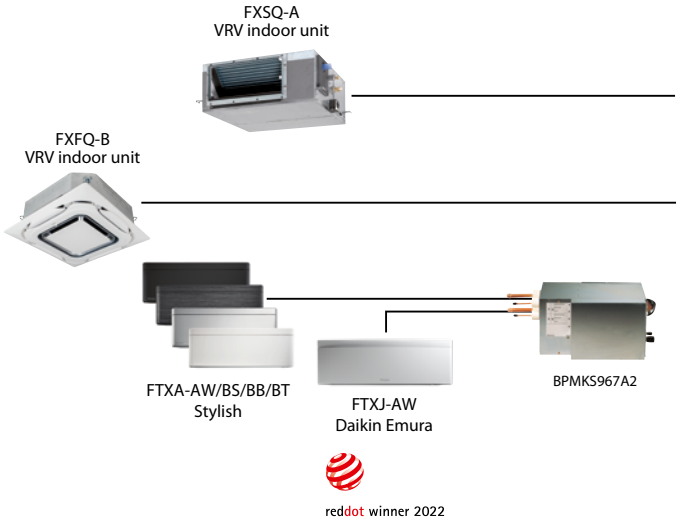
ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit				RXYLQ	10T	12T	14T
Capacity range				HP	10	12	14
Cooling capacity	Prated,c			kW	28.0	33.5	40.0
Heating capacity	Prated,h			kW	31.5	37.5	45.0
	Max.	6°CWB		kW	31.5	37.5	45.0
Recommended combination					4x FXMQ63P7VEB	6x FXMQ50P7VEB	1x FXMQ50P7VEB + 5x FXMQ63P7VEB
ηs,c				%	251.4	274.4	270.1
ηs,h				%	144.3	137.6	137.1
SEER					6.4	6.9	6.8
SCOP					3.7	3.5	
Maximum number of connectable indoor units					64 (1)		
Indoor index connection	Min.				175	210	245
	Nom.				250	300	350
	Max.				325	390	455
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x1,240x765		
Weight	Unit			kg	302		
Sound power level	Cooling	Nom.		dBA	77.0	81.0	
Sound pressure level	Cooling	Nom.		dBA	56.0	59.0	
Operation range	Cooling	Min.~Max.		°CDB	-5 ~43		
	Heating	Min.~Max.		°CWB	-25 ~16		
Refrigerant	Type/GWP				R-410A/2,087.5		
	Charge			kg/TCO2Eq	11.8/24.6		
Piping connections	Liquid	OD		mm	9.52	12.7	
	Gas	OD		mm	22.2	28.6	
	Total piping length	System	Actual	m	500		
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	25	32	

Outdoor unit system			RXYLQ	16T	18T	20T	22T	24T	26T	28T
System	Outdoor unit module 1			RXMLQ8T		RXYLQ10T		RXYLQ12T		RXYLQ14T
	Outdoor unit module 2			RXMLQ8T		RXYLQ10T	RXYLQ12T		RXYLQ14T	
Capacity range			HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c		kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0
Heating capacity	Prated,h		kW	50.0	56.5	63.0	69.0	75.0	82.5	90.0
	Max.	6°CWB	kW	50.0	56.5	63.0	69.0	75.0	82.5	90.0
Recommended combination				4x FXMQ63P7VEB + 2x FXMQ80P7VEB	3x FXMQ50P7VEB + 5x FXMQ63P7VEB	2x FXMQ50P7VEB + 6x FXMQ63P7VEB	6x FXMQ50P7VEB + 4x FXMQ63P7VEB	4x FXMQ50P7VEB + 4x FXMQ63P7VEB + 2x FXMQ80P7VEB	7x FXMQ50P7VEB + 5x FXMQ63P7VEB	6x FXMQ50P7VEB + 4x FXMQ63P7VEB + 2x FXMQ80P7VEB
ηs,c			%	261.8	255.7	251.4	263.0	274.4	270.8	270.1
ηs,h			%	138.0	140.5	144.3	140.3	137.6	137.1	
SEER				6.6	6.5	6.4	6.6	6.9	6.8	
SCOP				3.5	3.6	3.7	3.6	3.5		
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			280	315	350	385	420	455	490
	Nom.			400	450	500	550	600	650	700
	Max.			520	585	650	715	780	845	910
Piping connections	Liquid	OD	mm	12.7	15.9				19.1	
	Gas	OD	mm	28.6				34.9		
	Total piping length	System	Actual	m	500					
Current - 50Hz	Maximum fuse amps (MFA)		A	40	45	50	60			





RXYLQ16-28T

Connectable stylish indoor units

			20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit		FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit		FTXA-AW/BS/BB/BT	•	•	•	•	•		
Perfera wall mounted		FTXM-R	•	•	•	•	•	•	•
Perfera floor standing	NEW	FVXM-A9	•	•	•		•		

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

More details and final information can be found by scanning or clicking the QR codes.

RXYLQ-T

Outdoor unit system			RXYLQ	30T	32T	34T	36T	38T	40T	42T
System	Outdoor unit module 1			RXYLQ10T			RXYLQ12T			RXYLQ14T
	Outdoor unit module 2			RXYLQ10T		RXYLQ12T			RXYLQ14T	
	Outdoor unit module 3			RXYLQ10T	RXYLQ12T			RXYLQ14T		
Capacity range			HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c		kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0
Heating capacity	Prated,h		kW	94.5	101	107	113	120	128	135
	Max.	6°CWB	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
Recommended combination				9x FXMQ50P7VEB + 5x FXMQ63P7VEB	8x FXMQ63P7VEB + 4x FXMQ80P7VEB	3x FXMQ50P7VEB + 9x FXMQ63P7VEB + 2x FXMQ80P7VEB	2x FXMQ50P7VEB + 10x FXMQ63P7VEB + 2x FXMQ80P7VEB	6x FXMQ50P7VEB + 10x FXMQ63P7VEB	9x FXMQ50P7VEB + 9x FXMQ63P7VEB	12x FXMQ63P7VEB + 4x FXMQ80P7VEB
ηs,c			%	251.4	259.1	266.8	274.4	271.6	270.3	270.1
ηs,h			%	144.3	141.6	139.2	137.6	137.1		
SEER				6.4	6.6	6.7	6.9		6.8	
SCOP				3.7	3.6		3.5			
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			525	560	595	630	665	700	735
	Nom.			750	800	850	900	950	1,000	1,050
	Max.			975	1,040	1,105	1,170	1,235	1,300	1,365
Piping connections	Liquid	OD	mm	19.1						
	Gas	OD	mm	34.9			41.3			
	Total piping length	System Actual	m	500						
Current - 50Hz	Maximum fuse amps (MFA)		A	80				90		

Outdoor unit module			RXMLQ	8T
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x1,240x765
Weight	Unit		kg	302
Fan	External static pressure	Max.	Pa	78
Sound power level	Cooling	Nom.	dBA	75.0
Sound pressure level	Cooling	Nom.	dBA	55.0
Operation range	Cooling	Min.~Max.	°CDB	-5 ~43
	Heating	Min.~Max.	°CWB	-25 ~16
Refrigerant	Type/GWP			R-410A/2,087.5
	Charge		kg/TCO2Eq	11.8/24.6
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	20

(1)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (70% <= CR <= 130%) | Contains fluorinated greenhouse gases
* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

Replacement technology

The quick and quality way of upgrading R-22, R-407C and R-410A systems

These benefits will convince your customer:

Drastically improve your efficiency, comfort and reliability

No disturbance of daily operations

› Reuse of existing pipework results in fast installation
› Plan phases to avoid loss of business
› Replace any VRF system

Lower installation costs

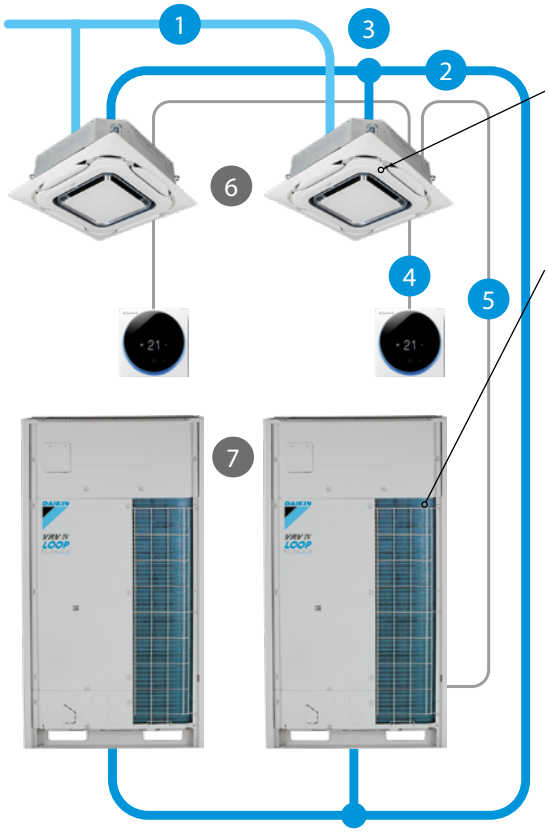
› Shorter installation time
› Use of existing piping and wiring
› Reuse of materials

Lower investment and reduced running costs

› CAPEX: Lower initial investment
› OPEX: Lower energy consumption and maintenance costs
› Keep your business running seamlessly

Higher property value

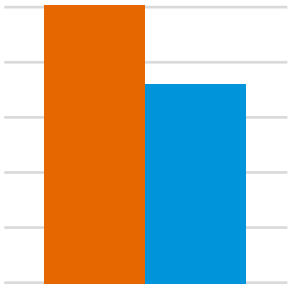
› Higher property value
› Improved facilities
  • Subsidies
  • Certifications (BREEAM, LEED and WELL)



The Daikin upgrade solution:

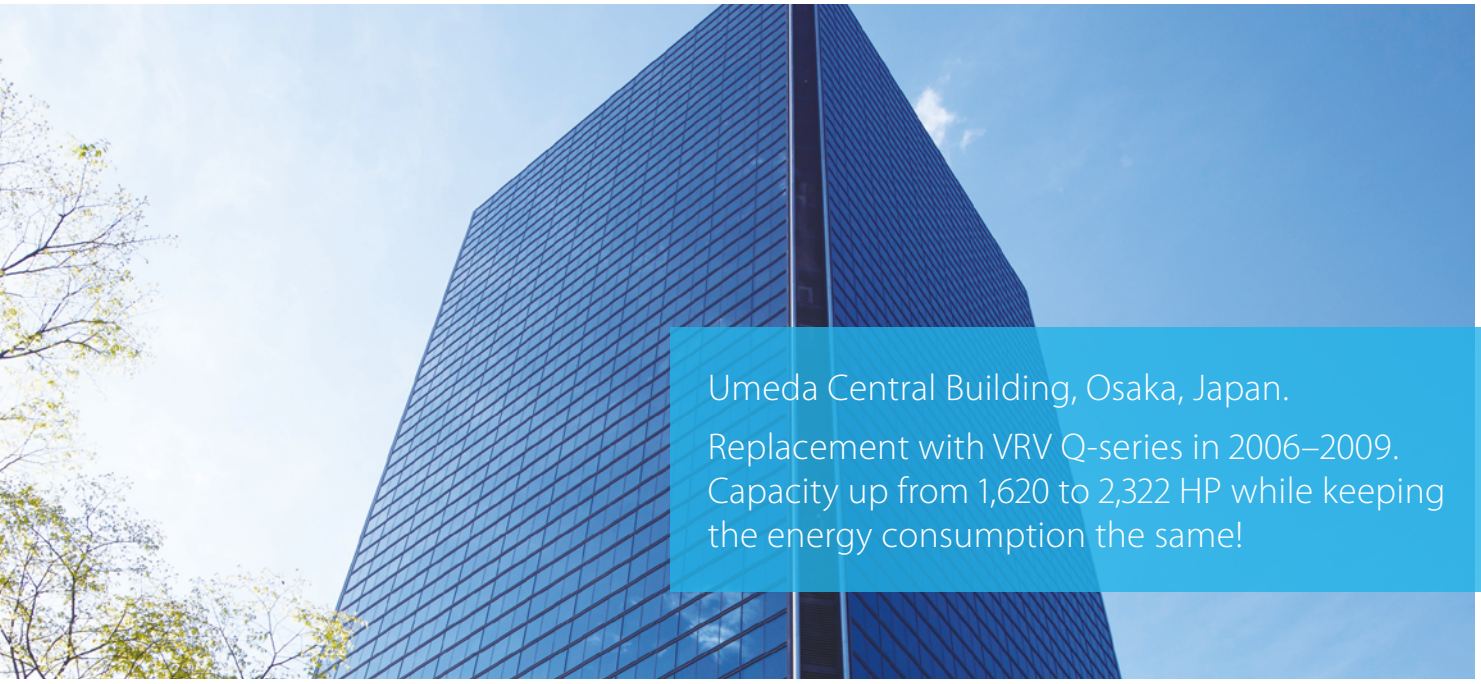
Replace indoor units (optional)
› Depending on model type and condition the indoor units can be kept.

Replace outdoor units



∨ 31 %
(VRV II) (VRV IV)

31 % less energy used



Umeda Central Building, Osaka, Japan.

Replacement with VRV Q-series in 2006–2009. Capacity up from 1,620 to 2,322 HP while keeping the energy consumption the same!

VRV-Q benefits to increase your profit:

Optimise your business

Less installation time
Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs
Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems
NON DAIKIN > DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three
A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody wins.

Watch our online seminar on replacement VRV now!

	VRV-Q, keeping indoor units	**VRV-Q**, replacing indoor units	Completely new installation with standard VRV
Remove outdoor unit	21 %	21 %	21 %
Install new outdoor unit	14 %	14 %	14 %
Clean cooling circuit and leak test	14 %	14 %	14 %
Remove indoor units	–	8 %	8 %
Remove refrigerant pipes and other tasks	–	–	8 %
Install new refrigerant pipes	–	–	14 %
Install new indoor units and other tasks	–	21 %	21 %
Total installation time	49 %	78 %	100 %

Technology insight – Pipe cleaning and automatic refrigerant charging

Pipe cleaning and automatic refrigerant charging ensures a trouble-free operation.

Thanks to the pipe cleaning, possible contamination in the pipes is collected ensuring a trouble-free operation as with a completely new system.

The automatic charging ensures the correct amount of refrigerant is charged, so knowledge of the exact piping layout is not needed!

One touch convenience:
- Measure and charge refrigerant
- Test operation



Replacement VRV, heat recovery

Quick & quality replacement for R-22 and R-407C systems

- Cost effective and fast replacement as only the outdoor and indoor unit needs to be replaced, meaning almost no work has to be carried out inside the building
- Efficiency gains of more than 40% can be realized, thanks to technological developments in heat pump technology and the more efficient R-410A refrigerant
- Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained
- Unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and allows safe replacement of competitor replacement
- Automatic cleaning of refrigerant piping ensures a clean piping network, even when a compressor breakdown has occurred
- Possibility to add indoor units and increase capacity without changing the refrigerant piping
- Possibility to spread the various stages of replacement thanks to the modular design of the VRV system
- Accurate temperature control, fresh air provision, air handling units and Biddle air curtains all integrated in a single system requiring only one single point of contact (RXYQQ-U only)
- Incorporates VRV IV standards & technologies: Variable Refrigerant
- Temperature and full inverter compressors (RXYQQ-U only)
- Free combination of outdoor units to meet installation space or efficiency requirements (RXYQQ-U only)



RQCEQ712-848P3

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

RQCEQ-P3

Outdoor unit system			RQCEQ	280P3	460P3	500P3	540P3	712P3	744P3	816P3
System	Outdoor unit module 1			RQEQ140P3			RQEQ180P3	RQEQ140P3		RQEQ180P3
	Outdoor unit module 2			RQEQ140P3		RQEQ180P3				RQEQ212P3
	Outdoor unit module 3			-	RQEQ180P3				RQEQ212P3	
	Outdoor unit module 4			-				RQEQ212P3		
Capacity range			HP	10	16	18	20	24	26	28
Cooling capacity	Prated,c		kW	28.0	46.0	50.0	54.0	70.0	72.0	78.0
Heating capacity	Prated,h		kW	32.0	52.0	56.0	60.0	78.4	80.8	87.2
Recommended combination				4x FXMQ63P7VEB	4x FXMQ63P7VEB + 2x FXMQ80P7VEB	4x FXSQ32A2VEB + 8x FXSQ40A2VEB	12x FXSQ40A2VEB	4x FXSQ32A2VEB + 9x FXSQ40A2VEB + 3x FXSQ50A2VEB	4x FXSQ32A2VEB + 6x FXSQ40A2VEB + 6x FXSQ50A2VEB	7x FXSQ40A2VEB + 9x FXSQ50A2VEB
ηs,c			%	200	191	201	198	194		204
ηs,h			%	159	161	150	148	153	155	
Maximum number of connectable indoor units				21	34	39	43	52	56	60
Indoor index connection	Min.			140	230	250	270	356	372	408
	Nom.			280	500		540	712	744	816
	Max.			364	598	650	702	926	967.0	1,061
Piping connections	Liquid	OD	mm	9.52	12.7	15.9			19.1	
	Gas	OD	mm	22.2	28.6				34.9	
	Total piping length	System Actual	m	300						
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400						
Current - 50Hz	Maximum fuse amps (MFA)		A	30	50	60		80		90

Outdoor unit module			RQEQ-P3	140P3	180P3	212P3
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765		
Weight	Unit		kg	175		179
Fan	Air flow rate	Cooling Nom.	m^3/min	95	110	
	Type			Propeller fan		
Sound power level	Cooling	Nom.	dBA	79	83	87
	Heating	According to ENER LOT21	dBA	79	84	
Sound pressure level	Cooling	Nom.	dBA	-		
Operation range	Cooling	Min.~Max.	°CDB	-5 ~43		
	Heating	Min.~Max.	°CWB	-20 ~15.5		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	10.3/21.5	10.6/22.1	11.2/23.4
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	15	20	22.5

Contains fluorinated greenhouse gases

Replacement VRV, heat pump

LOOP BY DAIKIN

For units made and sold in Europe*



RXYQQ8-12U

More details and final information can be found by scanning or clicking the QR codes.

RQYQ-P

RXYQQ-U

Outdoor unit			RXYQQ/RQYQ-P	140P	8U	10U	12U	14U	16U	18U	20U
Capacity range			HP	5	8	10	12	14	16	18	20
Cooling capacity	Prated,c		kW	14.0	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h		kW	16.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB	kW	-	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination				4x FXSQ32A2VEB	4x FXFQ50AVEB	4x FXFQ63AVEB	6x FXFQ50AVEB	1x FXFQ50AVEB + 5x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	3x FXFQ50AVEB + 5x FXFQ63AVEB	2x FXFQ50AVEB + 6x FXFQ63AVEB
ηs,c			%	194	302.4	267.6	247.8	250.7	236.5	238.3	233.7
ηs,h			%	137	167.9	168.2	161.4	155.4	157.8	163.1	156.6
SEER				-	7.6	6.8	6.3		6.0		5.9
SCOP				-	4.3		4.1	4.0		4.2	4.0
Maximum number of connectable indoor units				10	64 (1)						
Indoor index connection	Min.			62.5	100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.			125	-						
	Max.			162.5	260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765	1,685x930x765			1,685x1,240x765			
Weight	Unit		kg	175	198			275		308	
Fan	Air flow rate	Cooling Nom.	m^3/min	95	-						
Sound power level	Cooling	Nom.	dBA	79	78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Heating	Prated, h	dBA	79	79.6	80.9	83.5	83.1	86.5	85.3	89.8
Sound pressure level	Cooling	Nom.	dBA	-	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB	-5~43	-5.0~43.0						
	Heating	Min.~Max.	°CWB	-20~15.5	-20.0~15.5						
Refrigerant	Type/GWP			R-410A/2,087.5							
	Charge		kg/TCO2Eq	11.1/23.2	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	11.3/23.6	11.7/24.4	11.8/24.6
Piping connections	Liquid	OD	mm		9.52			12.7		15.9	
	Gas	OD	mm	15.9	19.1	22.2		28.6			
	Total piping length	System Actual	m	300	300						
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	15	20	25	32		40		50

Outdoor unit system		RXYQQ	22U	24U	26U	28U	30U	32U	34U	36U	38U	40U	42U
System	Outdoor unit module 1		RXYQQ10U	RXYQQ8U	RXYQQ12U			RXYQQ16U			RXYQQ8U	RXYQQ10U	
	Outdoor unit module 2		RXYQQ12U	RXYQQ16U	RXYQQ14U	RXYQQ16U	RXYQQ18U	RXYQQ16U	RXYQQ18U	RXYQQ20U	RXYQQ10U	RXYQQ12U	RXYQQ16U
	Outdoor unit module 3		-								RXYQQ20U	RXYQQ18U	RXYQQ16U
Capacity range		HP	22	24	26	28	30	32	34	36	38	40	42
Cooling capacity	Prated,c	kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	111.9	118.0	118.0
Heating capacity	Prated,h	kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	111.9	118.0	62.4
	Max. 6°CWB	kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	125.5	131.5	131.5
Recommended combination			6x FXFQ50AVEB + 4x FXFQ63AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	7x FXFQ50AVEB + 5x FXFQ63AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	9x FXFQ50AVEB + 5x FXFQ63AVEB	8x FXFQ63AVEB + 4x FXFQ80AVEB	3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB	2x FXFQ50AVEB + 10x FXFQ63AVEB + 2x FXFQ80AVEB	6x FXFQ50AVEB + 10x FXFQ63AVEB	9x FXFQ50AVEB + 9x FXFQ63AVEB	12x FXFQ63AVEB + 4x FXFQ80AVEB
ηs,c		%	274.5	269.9	264.2	257.8	256.8	251.7	253.3	250.8	272.4	263.5	261.2
ηs,h		%	171.2	167.0	164.6	166.0	169.8	163.1	166.2	162.4	167.5	170.0	165.5
SEER			6.9	6.8	6.7	6.5		6.4		6.3	6.9	6.7	6.6
SCOP			4.4	4.3	4.2		4.3	4.2		4.1	4.3	4.3	4.2
Maximum number of connectable indoor units			64 (1)										
Indoor index connection	Min.		275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0	525.0
	Max.		715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0	1,300.0	1,365.0
Piping connections	Liquid	OD mm	15.9		19.1								
	Gas	OD mm	28.6	34.9						41.3			
	Total piping length	System Actual m	300										
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50 /380-415										
Current - 50Hz	Maximum fuse amps (MFA)	A	63				80				100		

(1)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | Contains fluorinated greenhouse gases

* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland



Water-to-air heat pump

Welcome a new range of features

More flexibility

› Mixed connection of HT hydroboxes and VRV indoor units
› Connects to stylish indoor units such as Daikin Emura, Nexura, … (no mixed connection with other indoors possible)
› Extension of the range: 8-10-12-14HP, combinable up to 42HP while keeping the most compact casing in the market
› Extended piping length up 165m (actual)
› Extended indoor unit height difference to 30m

More capacity

› Up to 72% increased capacity (!) per model thanks to new compressor and larger heat exchanger

Easier commissioning & customisation

› 7 segment display
› 2 analogue input signals allowing external control of
- ON-OFF (e.g. compressor)
- Operation mode (cooling / heating)
- Limit of capacity
- Error signal

Most compact casing in the market!



8 to 14 HP | 16 to 28 HP | 30 to 42 HP

Unique zero heat dissipation principle



› No need for ventilation or cooling in the technical room
› Control heat dissipation to achieve maximum efficiency: set target technical room temperature and unit regulates actual heat dissipation

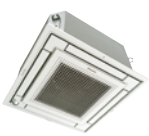
Total solution



Daikin Emura
wall mounted unit



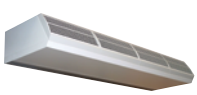
FTXA-AW/BS/BB/BT
Stylish



Fully flat cassette



Intelligent Manager



Biddle air curtain



Air handling unit for ventilation



Low temperature hydrobox



High temperature hydrobox

With all existing standard functions

Variable Refrigerant Temperature

VRV IV W+ series

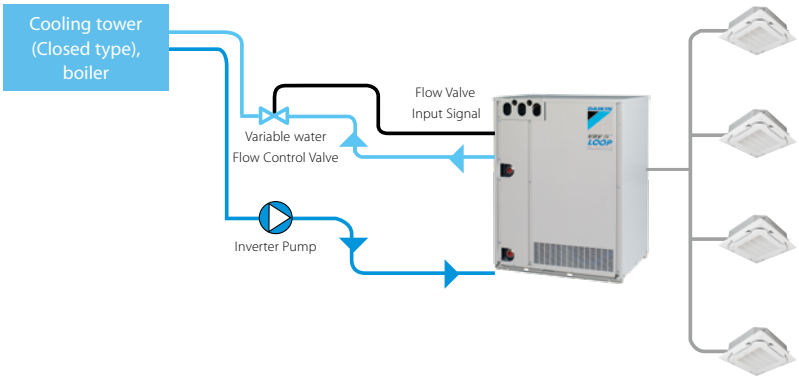
Indoor installation makes unit invisible from the outside

- Seamless integration in the surrounding architecture as you cannot see the unit
- Highly suited for sound sensitive areas as there is no external operation sound
- Very flexible indoor installation as there is no heat dissipation
- Superior efficiency, even in the most extreme outside conditions, especially in geothermal operation



Variable water flow control

- The variable water flow control option reduces excessive energy use by the circulation pump.
- By controlling a variable water valve, the water flow is reduced when possible, saving energy.
- Via 0~10 volt



Lower refrigerant concentration levels

Water-cooled VRV systems typically have less refrigerant per system making it ideal to comply with the EN378 legislation limiting the amount of refrigerant in hospitals and hotels.

The refrigerant levels remain limited thanks to:

- limited distance between outdoor and indoor unit
- modularity: enabling small systems per floor instead of one big system. Thanks to the water circuit heat recovery is still possible in the entire building

Maximum design flexibility and installation speed

- Quickly and flexibly design your system with a unique range of single and multi BS boxes.
- A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
- Free combination of single and multi BS boxes

Single port



BS1Q 10,16,25A

Multi port: 4 – 6 – 8 – 10 – 12 – 16



BS 4 Q14 A



BS 6, 8 Q14 A

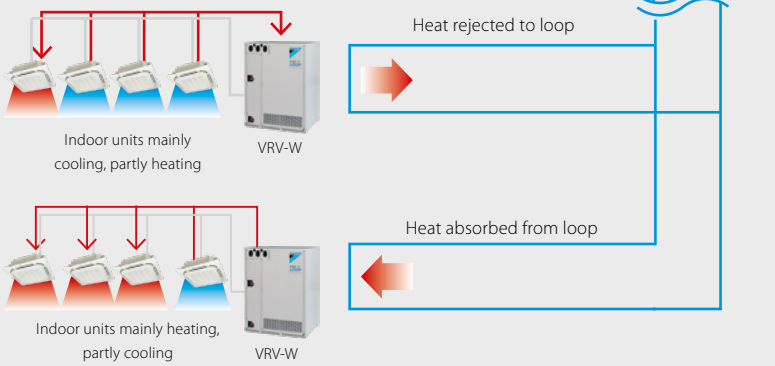


BS 10, 12 Q14 A

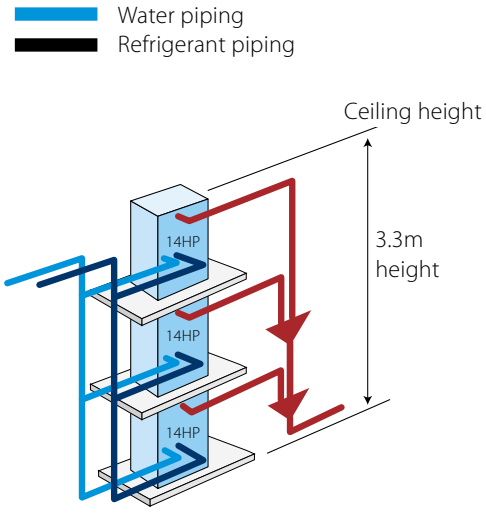


BS 16 Q14 A

2-stage heat recovery



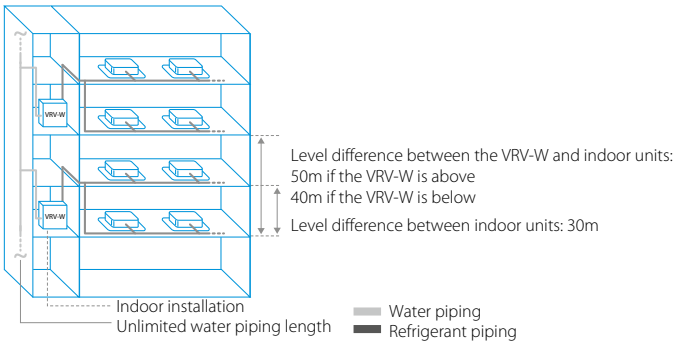
Stacked configuration



VRV IV water cooled+ series

Ideal for high rise buildings, using water as heat source

- Environmental conscious solution: reduced CO_2 emmisions thanks to the use of geothermal energy as a renewable energy source and typical lower refrigerant levels making it ideal to comply with EN378
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units, Biddle air curtains and hot water
- Unique zero heat dissipation principle obviates the need for ventilation or cooling in the technical room, maximising installation flexiblity
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7-segment display and full inverter compressors
- Developed for easy installation and servicing: choice between top or front connection for refrigerant piping and rotating switch box for easy access to serviceable parts
- Compact & lightweight design can be stacked for maximum space saving: 42HP can be installed in less than 0.5m² floorspace
- 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- Unified model for heat pump and heat recovery version and geothermal and standard operation
- Variable Water Flow control option increases flexibility and control
- 2 analogue input signals allowing external control of ON-OFF, operation mode, error signal, …
- Contains all standard VRV features



ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

LOOP BY DAIKIN

For units made and sold in Europe*

Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit	FTXA-AW/BS/BB/BT	•	•	•	•	•		
Perfera wall mounted	FTXM-R	•	•	•	•	•	•	•
Perfera floor standing NEW	FVXM-A9	•	•	•		•		

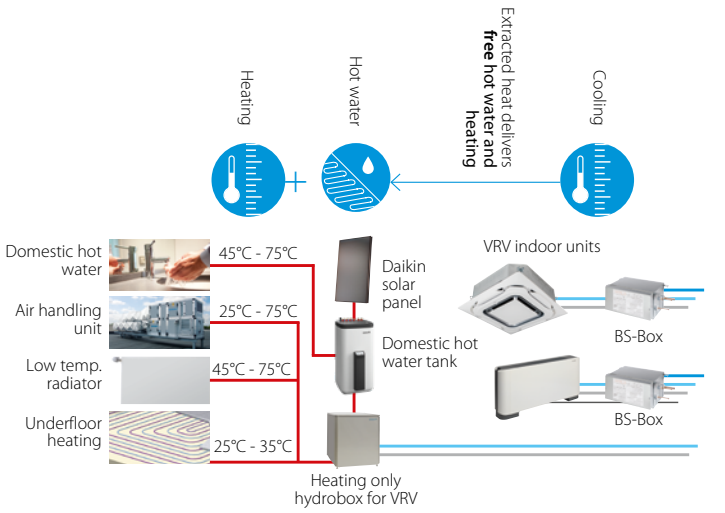
BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

More details and final information can be found by scanning or clicking the QR codes.

RWEYQ-T9

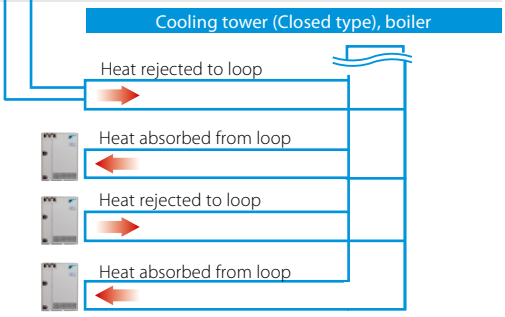
Outdoor unit				RWEYQ	8T9	10T9	12T9	14T9
Capacity range				HP	8	10	12	14
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0
Heating capacity	Prated,h			kW	25.0	31.5	37.5	45.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0
Recommended combination					4x FXMQ50P7VEB	4x FXMQ63P7VEB	6x FXMQ50P7VEB	1x FXMQ50P7VEB + 5x FXMQ63P7VEB
ηs,c				%	326.8	307.8	359.0	330.7
ηs,h				%	524.3	465.9	436.0	397.1
SEER					8.4	7.9	9.2	8.5
SCOP					13.3	11.8	11.1	10.1
Maximum number of connectable indoor units					64 (1)			
Indoor index connection	Min.				100.0	125.0	150.0	175.0
	Max.				300.0	375.0	450.0	525.0
Dimensions	Unit	HeightxWidthxDepth		mm	980x767x560			
Weight	Unit			kg	195		197	
Sound power level	Cooling	Nom.		dBA	65.0	71.0	72.0	74.0
Sound pressure level	Cooling	Nom.		dBA	48.0	50.0	56.0	58.0
Operation range	Inlet water temperature	Cooling	Min.~Max.	°CDB	10 ~45			
		Heating	Min.~Max.	°CWB	10 ~45			
	Temperature around casing	Max.		°CDB	40			
	Humidity around casing	Cooling~ Heating	Max.	%	80 ~80			
Refrigerant	Type/GWP				R-410A/2,087.5			
	Charge			kg/TCO2Eq	7.9/16.5		9.6/20.0	
Piping connections	Liquid	OD		mm	9.52		12.7	
	Gas	OD		mm	19.1	22.2	28.6	
	HP/LP gas	OD		mm	15.9/19.1	19.1/22.2	19.1/28.6	22.2/28.6
	Drain	Size			14mm OD/ 10mm ID			
	Water	Inlet/Outlet	Size		ISO 228-G1 1/4 B/ISO 228-G1 1/4 B			
	Total piping length	System	Actual	m	500			
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50 /380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20		25	

Stage 1 heat recovery between indoor units





Stage 2 heat recovery between outdoor units



* Above system configuration are for illustration purpose only.

Outdoor unit system			RWEYQ	16T9	18T9	20T9	22T9	24T9	26T9	28T9
System	Outdoor unit module 1			RWEYQ8T		RWEYQ10T		RWEYQ12T		RWEYQ14T
	Outdoor unit module 2			RWEYQ8T	RWEYQ10T		RWEYQ12T		RWEYQ14T	
Capacity range			HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c		kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0
Heating capacity	Prated,h		kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
	Max.	6°CWB	kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
Recommended combination				4x FXMQ63P7VEB + 2x FXMQ80P7VEB	4x FXMQ50P7VEB + 4x FXMQ63P7VEB	8x FXMQ63P7VEB	6x FXMQ50P7VEB + 4x FXMQ63P7VEB	12x FXMQ50P7VEB	7x FXMQ50P7VEB + 5x FXMQ63P7VEB	2x FXMQ50P7VEB + 10x FXMQ63P7VEB
ηs,c			%	307.6	308.7	298.1	311.3	342.6	322.5	306.1
ηs,h			%	459.2	491.1	466.8	447.9	434.5	406.9	387.9
SEER				7.9		7.7	8.0	8.8	8.3	7.9
SCOP				11.7	12.5	11.9	11.4	11.1	10.4	9.9
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			200.0	225.0	250.0	275.0	300.0	325.0	350.0
	Max.			600.0	675.0	750.0	825.0	900.0	975.0	1,050.0
Piping connections	Liquid	OD	mm	12.7	15.9				19.1	
	Gas	OD	mm	28.6				34.9		
	HP/LP gas	OD	mm	22.2 / 28.6		28.6 / 28.6		28.6 / 34.9		
	Total piping length	System Actual	m	500						
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	32		35	40		50	

Outdoor unit system			RWEYQ	30T9	32T9	34T9	36T9	38T9	40T9	42T9
System	Outdoor unit module 1			RWEYQ10T			RWEYQ12T			RWEYQ14T
	Outdoor unit module 2			RWEYQ10T		RWEYQ12T		RWEYQ14T		
	Outdoor unit module 3			RWEYQ10T	RWEYQ12T			RWEYQ14T		
Capacity range			HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c		kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0
Heating capacity	Prated,h		kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
	Max.	6°CWB	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
Recommended combination				12x FXMQ63P7VEB	6x FXMQ50P7VEB + 8x FXMQ63P7VEB	12x FXMQ50P7VEB + 4x FXMQ63P7VEB	18x FXMQ50P7VEB	13x FXMQ50P7VEB + 5x FXMQ63P7VEB	8x FXMQ50P7VEB + 10x FXMQ63P7VEB	3x FXMQ50P7VEB + 15x FXMQ63P7VEB
ηs,c			%	308.3	318.2	342.5	352.3	338.8	341.4	332.9
ηs,h			%	467.2	456.1	447.0	438.5	419.4	404.4	391.2
SEER				7.9	8.2	8.8	9.0	8.7		8.5
SCOP				11.9	11.6	11.4	11.2	10.7	10.3	10.0
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			375.0	400.0	425.0	450.0	475.0	500.0	525.0
	Max.			1,125.0	1,200.0	1,275.0	1,350.0	1,425.0	1,500.0	1,575.0
Piping connections	Liquid	OD	mm	19.1						
	Gas	OD	mm	34.9			41.3			
	HP/LP gas	OD	mm	28.6 / 34.9			28.6 / 41.3	41.3 / 34.9		
	Total piping length	System Actual	m	500						
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	50	63				80	

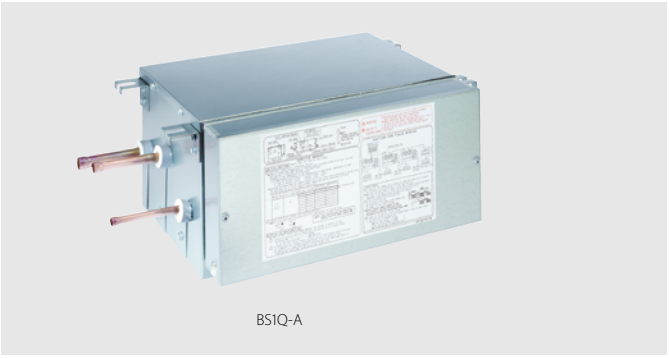
(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%). | Contains fluorinated greenhouse gases
* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

Individual and multi branch selector box installation

BS1Q-A

Individual branch selector for VRV IV heat recovery

- Unique range of single and multi BS boxes for flexible and fast design
- Compact & light to install
- Ideal for remote rooms as no drain piping is needed
- Allows integration of server rooms into the heat recovery solution thanks to technical cooling function
- Connect up to 250 class unit (28kW)
- UNIQUE Faster installation thanks to open port connection
- Allows multi tenant applications
- Connectable to REYQ-T, RQCEQ-P3 and RWEYQ-T8 heat recovery units



BS1Q-A

More details and final information can be found by scanning or clicking the QR codes.

BS1Q-A

Indoor Unit					BS1Q	1Q10A	1Q16A	1Q25A
Power input	Cooling	Nom.			kW	0.005		
	Heating	Nom.			kW	0.005		
Maximum number of connectable indoor units						6	8	
Maximum capacity index of connectable indoor units						15 < x ≤ 100	100<x≤160	160<x≤250
Dimensions	Unit	HeightxWidthxDepth			mm	207x388x326		
Weight	Unit				kg	12		15
Casing	Material					Galvanised steel plate		
Piping connections	Outdoor unit	Liquid	OD		mm	9.52		
		Gas	OD		mm	15.9		22.2
		Discharge gas	OD		mm	12.7		19.1
	Indoor unit	Liquid	OD		mm	9.52		
		Gas	OD		mm	15.9		22.2
Sound absorbing thermal insulation						Foamed polyurethane Flame-resistant needle felt		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		
	Maximum fuse amps (MFA)				A	15		

Contains fluorinated greenhouse gases

BS-Q14AV1B

Multi branch selector for VRV IV heat recovery

- Unique range of single and multi BS boxes for flexible and fast design
- Major reduction in installation time thanks to wide range, compact size and light weight multi BS boxes
- Up to 70% smaller and 66% lighter than previous series
- Faster installation thanks to a reduced number of brazing points and wiring
- All indoor units connectable to one BS box
- Less inspection ports needed compared to installing single BS boxes
- Up to 16kW capacity available per port
- Connect up to 250 class unit (28kW) by combining 2 ports
- No limit on unused ports allowing phased installation
- UNIQUE Faster installation thanks to open port connection
- UNIQUE Refrigerant filters for high reliability
- Allows multi tenant applications
- Connectable to REYQ-T, RQCEQ-P3 and RWEYQ-T8 heat recovery units



BS10Q14AV1B

More details and final information can be found by scanning or clicking the QR codes.

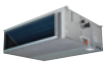
BS-Q14AV1B

Indoor Unit					BS	4Q14AV1B	6Q14AV1B	8Q14AV1B	10Q14AV1B	12Q14AV1B	16Q14AV1B
Maximum number of connectable indoor units						20	30	40	50	60	64
Maximum capacity index of connectable indoor units						400	600	750			
Dimensions	Unit	HeightxWidthxDepth			mm	298x370x430	298x580x430		298x820x430		298x1,060x430
Weight	Unit				kg	17.0	24.0	26.0	35.0	38.0	50.0
Casing	Material					Galvanised steel plate					
Piping connections	Outdoor unit	Liquid	OD		mm	9.52	12.7	12.7/15.9	15.9	15.9/19.1	19.1
		Gas	OD		mm	22.2/19.1	28.6/22.2	28.6	28.6/34.9		34.9
		Discharge gas	OD		mm	19.1/15.9	19.1/22.2	19.1/22.2/28.6	28.6		
	Indoor unit	Liquid	OD		mm	6.35/9.52					
		Gas	OD		mm	12.7/15.9					
Sound absorbing thermal insulation						Urethane foam, polyethylene foam					
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240					
	Maximum fuse amps (MFA)				A	15					

Contains fluorinated greenhouse gases

Products overview VRV IV

Capacity class (kW)

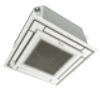
Type	Model		Product name		15	20	25	32	40	50	63	71	80	100	125	140	200	250
Ceiling mounted cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort › Auto cleaning function ensures high efficiency › Intelligent sensors save energy and maximize comfort › Flexibility to suit every room layout › Lowest installation height in the market! › Widest choice ever in decoration panel designs and colors	FXFQ-B			●	●	●	●	●	●		●	●	●			
	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling › Perfect integration in standard architectural ceiling tiles › Blend of iconic design and engineering excellence › Intelligent sensors save energy and maximize comfort › Small capacity unit developed for small or well-insulated rooms › Flexibility to suit every room layout	FXZQ-A		●	●	●	●	●	●								
	2-way blow ceiling mounted cassette	Thin, lightweight design installs easily in narrow ceiling spaces › Depth of all units is 620mm, ideal for narrow ceiling spaces › Flexibility to suit every room layout › Reduced energy consumption thanks to DC fan motor › The flaps close entirely when the unit is not operating › Optimum comfort with automatic air flow adjustment to the required load	FXCQ-A			●	●	●	●	●	●		●		●			
	Ceiling mounted corner cassette	1-way blow unit for corner installation › Compact dimensions enable installation in narrow ceiling voids › Flexible installation thanks to different air discharge options	FXKQ-MA				●	●	●		●							
Concealed ceiling	Slim concealed ceiling unit	Slim design for flexible installation › Compact dimensions enable installation in narrow ceiling voids › Medium external static pressure up to 44Pa › Only grilles are visible › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor	FXDQ-A3		●	●	●	●	●	●	●		Auto cleaning filter option				Multi zoning option	
	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market! › Slimmest unit in class, only 245mm › Low operating sound level › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSQ-A		●	●	●	●	●	●	●		●	●	●	●	Multi zoning option	
	Concealed ceiling unit with high ESP	ESP up to 200, ideal for large sized spaces › Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment › Reduced energy consumption thanks to DC fan motor › Flexible installation as the air suction direction can be altered from rear to bottom suction	FXMQ-P7							●	●		●	●	●			
	NEW Concealed ceiling unit with high ESP	ESP up to 250, ideal for extra large sized spaces › Only grilles are visible › Large capacity unit: up to 31.5 kW heating capacity	FXMQ-A														●	●
Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space › Flat, stylish front panel is more easy to clean › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor › The air is comfortably spread up- and downwards thanks to 5 different discharge angles	FXAQ-A		●	●	●	●	●	●	●							
Ceiling suspended	Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space › Ideal for comfortable air flow in wide rooms thanks to Coanda effect › Rooms with ceilings up to 3.8m can be heated or cooled very easily! › Can easily be installed in both new and refurbishment projects › Can even be mounted in corners or narrow spaces without any problem › Reduced energy consumption thanks to DC fan motor	FXHQ-A					●			●			●				
	UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space › Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! › Can easily be installed in both new and refurbishment projects › Flexibility to suit every room layout › Reduced energy consumption thanks to DC fan motor	FXUQ-A									●			●				
Floor standing	Floor standing unit	For perimeter zone air conditioning › Can be installed in front of glass walls or free standing as both the front and the back are finished › Ideal for installation beneath a window › Requires very little installation space › Wall mounted installation facilitates cleaning beneath the unit	FXLQ-P			●	●	●	●	●	●							
	Concealed floor standing unit	Ideal for installation in offices, hotels and residential applications › Discretely concealed in the wall, leaving only the suction and discharge grilles visible › Can even be installed underneath a window › Requires very little installation space as the depth is only 200mm › High ESP allows flexible installation	FXNQ-A			●	●	●	●	●	●							
Cooling capacity (kW)[1]					1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]					1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

Products overview Stylish indoor units

Depending on the application, Split and Sky Air indoor units can be connected to our VRV IV and VRV IV S-series outdoor units. Refer to the **outdoor unit portfolio** for combination restrictions.

				Capacity class (kW)								Connectable outdoor unit				
Type	**Model**	**Product name**		**15**	**20**	**25**	**35**	**42**	**50**	**60**	**71**	**RYYQ-U**	**RXYQ-U**	**RXYSCQ-TV1[3] RXYSQ-TV9[3] RXYSQ-TY9/TY1[3]**	**RWEYQ-T9[4]**	**RXYLQ-T**
Ceiling mounted cassette	Round flow cassette (incl. auto-cleaning function[1]) ROUND FLOW	FCAG-B					●		●	●	UV Streamer kit			✓		
	Fully flat cassette	FFA-A9				●	●		●	●				✓		
Concealed ceiling	Slim concealed ceiling unit	FDXM-F9				●	●		●	●	Auto cleaning filter option			✓		
	Concealed ceiling unit with inverter-driven fan	FBA-A(9)					●		●	●	●			✓		
Wall mounted	Daikin Emura Wall mounted unit reddot award 2014 winner	FTXJ-AW/ AS/AB			●	●	●		●			✓	✓	✓	✓	✓
	Stylish Wall mounted unit	FTXA-AW/ BS/BB/BT			●	●	●	●	●			✓	✓	✓	✓	✓
	Perfera Wall mounted unit	CTXM-R/ FTXM-R		● RXYS(C)Q only	●	●	●	●	●	●	●	✓	✓	✓	✓	✓
Ceiling suspended	Ceiling suspended unit	FHA-A(9)					●		●	●	●			✓		
Floor standing	Perfera Floor standing unit	FVXM-A9			●	●	●		●			✓	✓	✓	✓	✓
	Concealed floor standing unit	FNA-A9				●	●		●	●				✓		

[1] Decoration panel BYCQ140DG9 or BYCQ140DGF9 + BRC1E* or BRC1H* needed

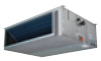
[2] To connect stylish indoor units a BPMKS unit is needed

[3] A mix of RA indoor units and VRV indoor units is not allowed.

[4] Only in heat pump operation

Benefits overview VRV IV

We care		Home leave operation	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy
		Fan only	The unit can be used as fan, blowing air without heating or cooling
		Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance
		Presence & floor sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor
Comfort		Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired
		Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood
		Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature
Air treatment		UV Streamer kit	Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment
		Air filter	Removes airborne dust particles to ensure a steady supply of clean air
Humidity control		Dry programme	Allows humidity levels to be reduced without variations in room temperature
Air flow		Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains
		Vertical auto swing	Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room
		Fan speed steps	Allows to select up to the given number of fan speed
		Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well
		Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis
		Infrared remote control	Starts, stops and regulates the air conditioner from a distance
		Wired remote control	Starts, stops and regulates the air conditioner
		Centralised control	Starts, stops and regulates several air conditioners from one central point
		Multi zoning	Allows up to 6 individual climate zones with one indoor unit
Other functions		Auto-restart	The unit restarts automatically at the original settings after power failure
		Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies
		Drain pump kit	Facilitates condensation draining from the indoor unit
		Multi tenant	The indoor unit's main power supply can be turned off when leaving the hotel or office building

Ceiling mounted cassette units				Concealed ceiling units				Wall mounted unit	Ceiling suspended units		Floor standing units	
FXFQ-B	**FXZQ-A**	**FXCQ-A**	**FXKQ-MA**	**FXDQ-A3**	**FXSQ-A**	**FXMQ-P7**	**FXMQ-A**	**FXAQ-A**	**FXHQ-A**	**FXUQ-A**	**FXNQ-A**	**FXLQ-P**
												
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
○												
○	○									○		
●	●		●							●		
●	●	●		●	●			●				
●	●	●	●	●	●	●	●	●	●	●	●	●
○												
● (2) (Optional high efficiency filter ePM10 60%)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1)	● (1) Optional pre filter and high efficiency filter available	● (1)	● (1)	● (1)	● (1)	● (1)
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●									
●	●	●	●					●	●	●		
5 + auto	3 + auto	3 + auto	2	3	3 + auto	3	3 + auto	2	3	3 + auto	2	3
●	●									●		
○	○	○	○	○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○	○	○
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○	○	○	○	○	○	○	○	○	○	○	○	○
				○	○							
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	○	○	○	●		
○	○			○	○	○		○			○	○

● standard, ○ optional

(1) Pre filter

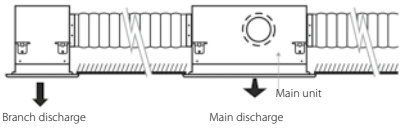
Round flow cassette

360° air discharge for optimum efficiency and comfort

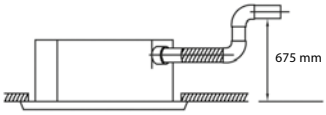
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



- Standard drain pump with 675mm lift increases flexibility and installation speed






White panel | White auto cleaning panel | Black panel | Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FXFQ-B

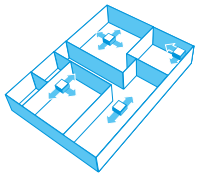
Indoor Unit				FXFQ	20B	25B	32B	40B	50B	63B	80B	100B	125B
Cooling capacity	Total capacity	At high fan speed		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	At high fan speed		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.071	0.103
	Heating	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.071	0.103
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840		288x840x840
Weight	Unit			kg	18			19	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black								
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950								
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5								
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	12.8/10.7/8.9			14.8/12.6/10.4	15.1/12.9/10.7	16.6/13.4/10.7	23.3/19.2/13.5	27.8/20.4/13.0	31.6/26.0/19.8
		Heating	At high / medium / low fan speed	m^3/min	12.8/10.7/8.9			14.8/12.6/10.4	15.1/12.9/10.7	16.6/13.4/10.7	22.5/18.5/13.0	27.8/20.4/13.0	30.3/24.9/18.9
Air filter	Type				Resin net								
Sound power level	Cooling	At high fan speed		dBA	49.0			51.0		53.0	55.0	60.0	61.0
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	31.0/29.0/28.0			33.0/31.0/29.0		35.0/33.0/30.0	38.0/34.0/30.0	43.0/37.0/30.0	45.0/41.0/36.0
	Heating	At high / medium / low fan speed		dBA	31.0/29.0/28.0			33.0/31.0/29.0		35.0/33.0/30.0	38.0/34.0/30.0	43.0/37.0/30.0	45.0/41.0/36.0
Refrigerant	Type/GWP				R-410A/2,087.5								
Piping connections	Liquid	OD		mm	6.35					9.52			
	Gas	OD		mm	12.7					15.9			
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	16								
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB								
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52								

Contains fluorinated greenhouse gases

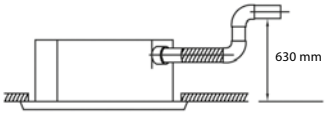
Fully flat cassette

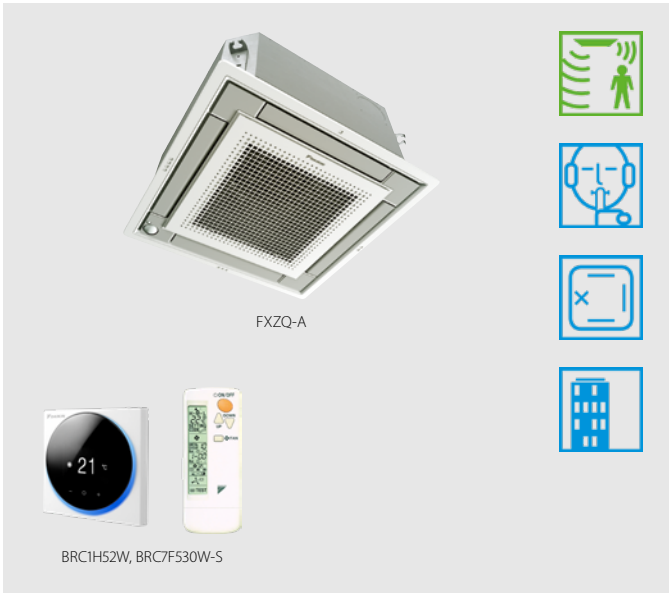
Unique design in the market that integrates fully flat into the ceiling

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed





FXZQ-A

BRC1H52W, BRC7F530W-S

More details and final information can be found by scanning or clicking the QR codes.

FXZQ-A

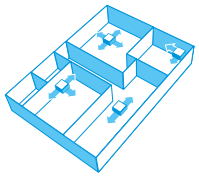
Indoor Unit					FXZQ	15A	20A	25A	32A	40A	50A
Cooling capacity	Total capacity	At high fan speed			kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	At high fan speed			kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	At high fan speed			kW	0.018		0.020	0.019	0.029	0.048
	Heating	At high fan speed			kW	0.018		0.020	0.019	0.029	0.048
Dimensions	Unit	HeightxWidthxDepth			mm	260x575x575					
Weight	Unit				kg	15.5			16.5		18.5
Casing	Material					Galvanised steel plate					
Decoration panel	Model					BYFQ60C2W1W					
	Colour					White (N9.5)					
	Dimensions	HeightxWidthxDepth			mm	46x620x620					
	Weight				kg	2.8					
Decoration panel 2	Model					BYFQ60C2W1S					
	Colour					SILVER					
	Dimensions	HeightxWidthxDepth			mm	46x620x620					
	Weight				kg	2.8					
Decoration panel 3	Model					BYFQ60B2W1					
	Colour					White (RAL9010)					
	Dimensions	HeightxWidthxDepth			mm	55x700x700					
	Weight				kg	2.7					
Decoration panel 4	Model					BYFQ60B3W1					
	Colour					WHITE (RAL9010)					
	Dimensions	HeightxWidthxDepth			mm	55x700x700					
	Weight				kg	2.7					
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed		m^3/min	8.5/7.00/6.5	8.7/7.50/6.5	9.0/8.00/6.5	10.0/8.50/7.0	11.5/9.50/8.0	14.5/12.5/10.0
		Heating	At high / medium / low fan speed		m^3/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.5/12.5/10.0
Air filter	Type					Resin net					
Sound power level	Cooling	At high fan speed			dBA	49		50	51	54	60
Sound pressure level	Cooling	At high / medium / low fan speed			dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
	Heating	At high / medium / low fan speed			dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
Refrigerant	Type/GWP					R-410A/2,087.5					
Piping connections	Liquid	OD			mm	6.35					
	Gas	OD			mm	12.7					
	Drain					VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)				A	16					
Control systems	Infrared remote control					BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel)					
Control systems	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					

Contains fluorinated greenhouse gases

2-way blow ceiling mounted cassette

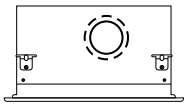
Thin, lightweight design installs easily in narrow corridors

› Depth of all units is 620mm, ideal for narrow spaces
› Individual flap control: flexibility to suit every room layout without changing the location of the unit!



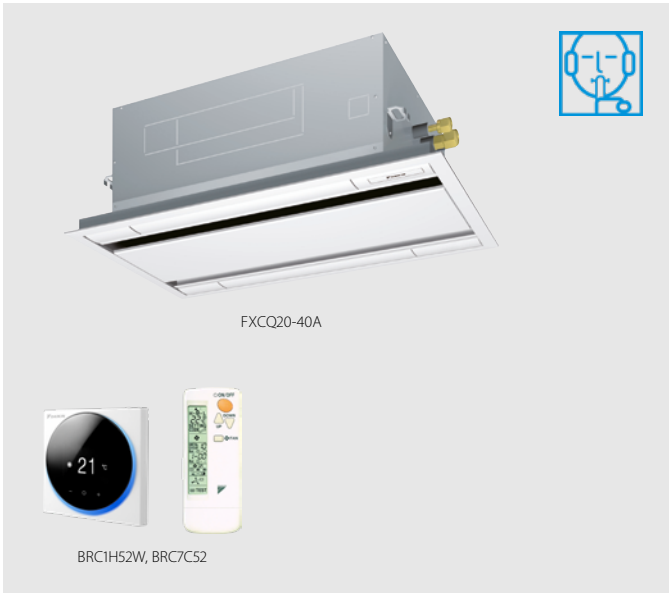
› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

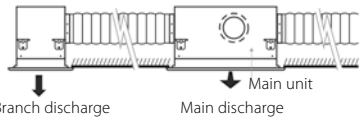
› Optimum comfort guaranteed with automatic air flow adjustment to the required load
› Maintenance operations can be performed by removing the front panel



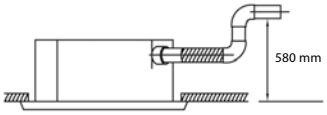
FXCQ20-40A

BRC1H52W, BRC7C52

› Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



› Standard drain pump with 580mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FXCQ-A

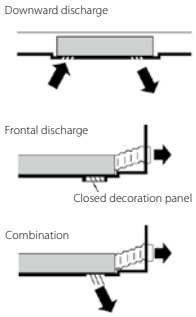
Indoor Unit				FXCQ	20A	25A	32A	40A	50A	63A	80A	125A
Cooling capacity	Total capacity	At high fan speed		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating capacity	Total capacity	At high fan speed		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.031	0.039		0.041	0.059	0.063	0.090	0.149
	Heating	At high fan speed		kW	0.028	0.035		0.037	0.056	0.060	0.086	0.146
Dimensions	Unit	HeightxWidthxDepth		mm	305x775x620				305x990x620		305x1,445x620	
Weight	Unit			kg	19				22	25	33	38
Casing	Material				Galvanised steel plate							
Decoration panel	Model				BYBCQ40HW1				BYBCQ63HW1		BYBCQ125HW1	
	Colour				Fresh white (6.5Y 9.5/0.5)							
	Dimensions	HeightxWidthxDepth		mm	55x1,070x700				55x1,285x700		55x1,740x700	
	Weight			kg	10				11		13	
Fan	Air flow rate - 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	10.5/9/7.5	11.5/9.5/8		12/10.5/8.5	15/13/10.5	16/14/11.5	26/22.5/18.5	32/27.5/22.5
Air filter	Type				Resin net with mold resistance							
Sound power level	Cooling	At high fan speed / At medium fan speed / At low fan speed		dBA	48/46/44	50/47/45	50/48/46	52/49/47	53/51/47	55/53/48	58/54/49	62/58/54
Sound pressure level	Cooling	At high fan speed / At medium fan speed / At low fan speed		dBA	32.0/30.0/28.0	34.0/31.0/29.0	34.0/32.0/30.0	36.0/33.0/31.0	37.0/35.0/31.0	39.0/37.0/32.0	42.0/38.0/33.0	46.0/42.0/38.0
	Heating	At high fan speed / At medium fan speed / At low fan speed		dBA	32.0/30.0/28.0	34.0/31.0/29.0	34.0/32.0/30.0	36.0/33.0/31.0	37.0/35.0/31.0	39.0/37.0/32.0	42.0/38.0/33.0	46.0/42.0/38.0
Refrigerant	Type/GWP				R-410A/2,087.5							
Piping connections	Liquid	OD		mm	6.35					9.52		
	Gas	OD		mm	12.7					15.9		
	Drain				VP25 (O.D. 32 / I.D. 25)							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240							
Current - 50Hz	Maximum fuse amps (MFA)			A	16							
Control systems	Infrared remote control				BRC7C52							
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52							

Contains fluorinated greenhouse gases

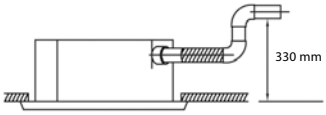
Ceiling mounted corner cassette

1-way blow unit for corner installation

› Compact dimensions, can easily be mounted in a narrow ceiling void (only 220mm ceiling space required, 195 with panel spacer, available as accessory)
› Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both



› Maintenance operations can be performed by removing the front panel
› Standard drain pump with 330mm lift increases flexibility and installation speed





FXKQ-MA



BRC1H52W, BRC4C61

More details and final information can be found by scanning or clicking the QR codes.

FXKQ-MA

Indoor Unit				FXKQ	25MA	32MA	40MA	63MA
Cooling capacity	Total capacity	At high fan speed		kW	2.8	3.6	4.5	7.10
Heating capacity	Total capacity	At high fan speed		kW	3.2	4.0	5.0	8.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.066		0.076	0.105
	Heating	At high fan speed		kW	0.046		0.056	0.085
Dimensions	Unit	HeightxWidthxDepth		mm	215x1,110x710			215x1,310x710
Weight	Unit			kg	31			34
Casing	Material				Galvanised steel plate			
Decoration panel	Model				BYK45FJW1			BYK71FJW1
	Colour				White			
	Dimensions	HeightxWidthxDepth		mm	70x1,240x800			70x1,440x800
	Weight			kg	8.5			9.5
Fan	Air flow rate - 50Hz	Cooling	At high fan speed/ At low fan speed	m^3/min	11/9		13/10	18/15
Air filter	Type				Resin net with mold resistance			
Sound power level	Cooling	At high fan speed/ At low fan speed		dBA	54/49		56/50	58/53
Sound pressure level	Cooling	At high fan speed/ At low fan speed		dBA	38.0/33.0		40.0/34.0	42.0/37.0
Refrigerant	Type/GWP				R-410A/2,087.5			
Piping connections	Liquid	OD		mm	6.35			9.52
	Gas	OD		mm	12.7			15.9
	Drain				VP25 (O.D. 32 / I.D. 25)			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Current - 50Hz	Maximum fuse amps (MFA)			A	15			
Control systems	Infrared remote control				BRC4C61			
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			

Contains fluorinated greenhouse gases



Multi zoning kit

for concealed ceiling units

Easy selection via our NEW software!

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Benefits

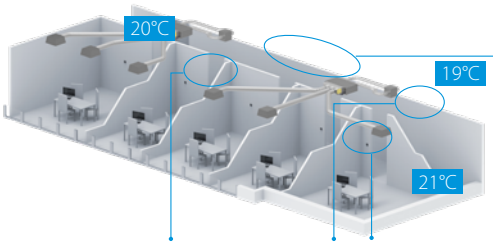
Increased comfort

› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation

How does it work?





Zoning box: fully pre-assembled plenum with dampers

Individual zone thermostats

Bluezero - Airzone Main Thermostat
› Color graphic interface for controlling zones



AZCE6BLUEZEROCB (Wired)

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones



AZCE6THINKRB (Wireless)

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature



AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	Ø (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV IV+ FXDQ-A3 15	20	25	32	40	50	63	VRV IV+ FXSQ-A 15	20	25	32	40	50	63	80	100	125	140
Standard plenum	2	AZE(Z/R)6DAIST07XS2	300 x 930 x 454	200																						•	•	•	•						
		AZE(Z/R)6DAIST07S2							•	•																			•	•					
	3	AZE(Z/R)6DAIST07XS3																								•	•	•	•						
		AZE(Z/R)6DAIST07S3							•	•																			•	•					
	4	AZE(Z/R)6DAIST07S4	300 x 1,140 x 454						•	•																			•	•					
		AZE(Z/R)6DAIST07M4									•	•				•															•	•			
	5	AZE(Z/R)6DAIST07M5	300 x 1,425 x 454								•	•				•															•	•			
		AZE(Z/R)6DAIST07L5											•	•	•		•	•															•	•	
	6	AZE(Z/R)6DAIST07M6	300 x 1,638 x 454								•	•				•															•	•			
		AZE(Z/R)6DAIST07L6											•	•	•		•	•															•	•	
	7	AZE(Z/R)6DAIST07L7	515 x 1,425 x 454										•	•	•		•	•															•	•	
		AZE(Z/R)6DAIST07XL7																																	•
	8	AZE(Z/R)6DAIST07L8											•	•	•		•	•															•	•	
		AZE(Z/R)6DAIST07XL8																																	•
Medium plenum	2	AZEZ6DAIBS07XS2	250 x 930 x 454	200																						•	•	•	•						
		AZEZ6DAIBS07S2							•	•																			•	•					
	3	AZEZ6DAIBS07XS3																								•	•	•	•						
		AZEZ6DAIBS07S3							•	•																			•	•					
		AZEZ6DAIBS07M3									•	•				•															•	•			
	4	AZEZ6DAIBS07S4	250 x 1,140 x 454						•	•																			•	•					
		AZEZ6DAIBS07M4									•	•				•															•	•			
		AZEZ6DAIBS07L4											•	•	•		•	•															•	•	
	5	AZEZ6DAIBS07S5	250 x 1,425 x 454						•	•																			•	•					
		AZEZ6DAIBS07M5									•	•				•															•	•			
		AZEZ6DAIBS07L5											•	•	•		•	•															•	•	
		AZEZ6DAIBS07XL5																																	•
	6	AZEZ6DAIBS07M6	250 x 1,638 x 454								•	•				•															•	•			
		AZEZ6DAIBS07L6											•	•	•		•	•															•	•	
		AZEZ6DAIBS07XL6																																	•
Slim plenum	2	AZE(Z/R)6DAISL01S2	210 x 720 x 444	200	•	•													•	•	•	•													
	3	AZE(Z/R)6DAISL01S3			•	•													•	•	•	•													
	4	AZE(Z/R)6DAISL01M4	210 x 930 x 444																				•	•											
	5	AZE(Z/R)6DAISL01L5	210 x 1,140 x 444				•	•																	•										

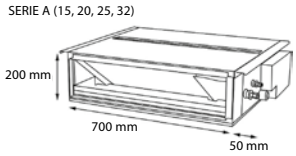
(1) Z models are reversible; R models are heating only
(2) Medium Ceiling Void reversible units can be blocked to heating only via AZX6MCS module

For more information on options refer to page 912

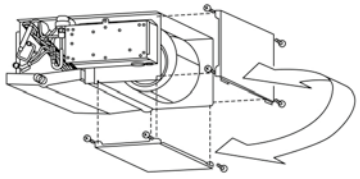
Slim concealed ceiling unit

Slim design for flexible installation

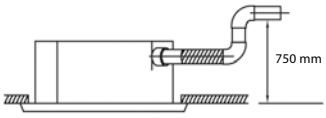
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm

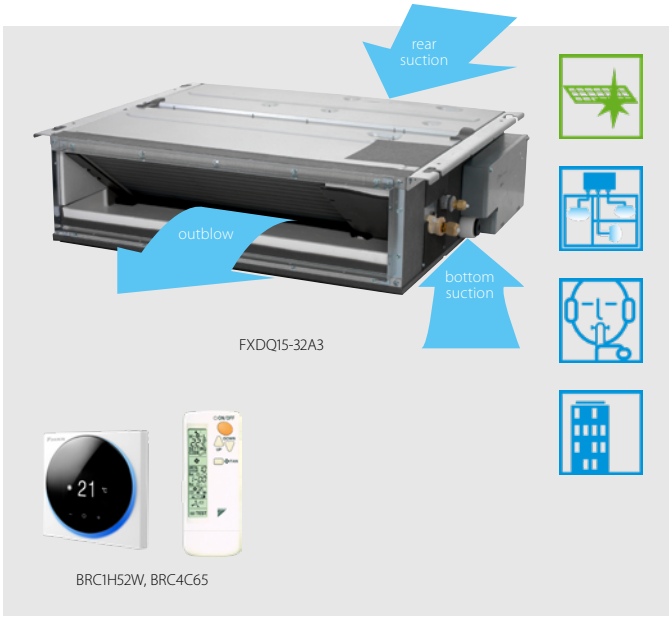


› Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
› Flexible installation, as the air suction direction can be altered from rear to bottom suction



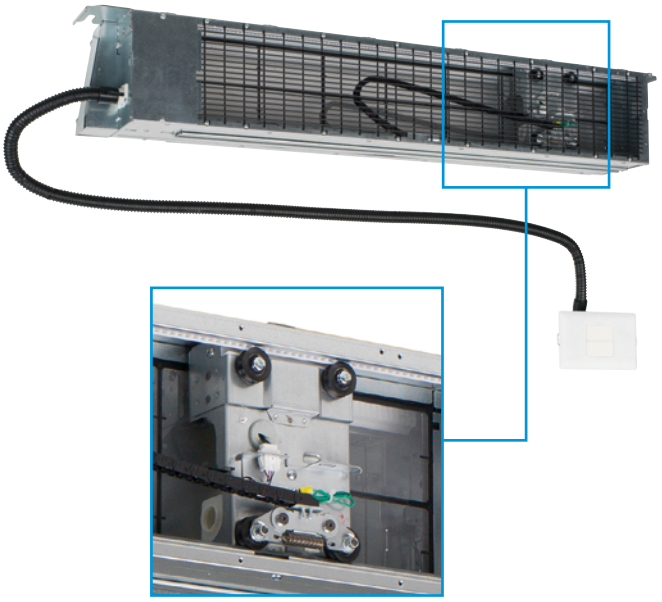
› Standard drain pump with 600mm lift increases flexibility and installation speed





FXDQ15-32A3

BRC1H52W, BRC4C65



Auto cleaning filter option

More details and final information can be found by scanning or clicking the QR codes.

FXDQ-A3

Indoor Unit				FXDQ	15A3	20A3	25A3	32A3	40A3	50A3	63A3
Cooling capacity	Nom.			kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.			kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.036			0.041	0.042	0.053	0.062
	Heating	At high fan speed		kW	0.036			0.041	0.042	0.053	0.062
Required ceiling void >				mm	240						
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620				200x950x620		200x1,150x620
Weight	Unit			kg	22				26		29
Casing	Material				Galvanised steel						
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	7.5/7.0/6.4	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory set / High		Pa	10/30.0				15/44.0		
Air filter	Type				Removable / washable						
Sound power level	Cooling	At high fan speed		dBA	50	51			52	53	54
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
Refrigerant	Type/GWP				R-410A/2,087.5						
Piping connections	Liquid	OD		mm	6.35						9.52
	Gas	OD		mm	12.7						15.9
	Drain				VP20 (I.D. 20/O.D. 26)						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						
Current - 50Hz	Maximum fuse amps (MFA)			A	16						
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1D528 / BRC1E51						

Contains fluorinated greenhouse gases

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge



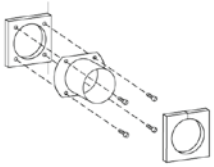
› Quiet operation: down to 25dBA sound pressure level
› Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
› Reduced energy consumption thanks to specially developed DC fan motor and drain pump
› Optional fresh air intake

Fresh air intake opening in casing

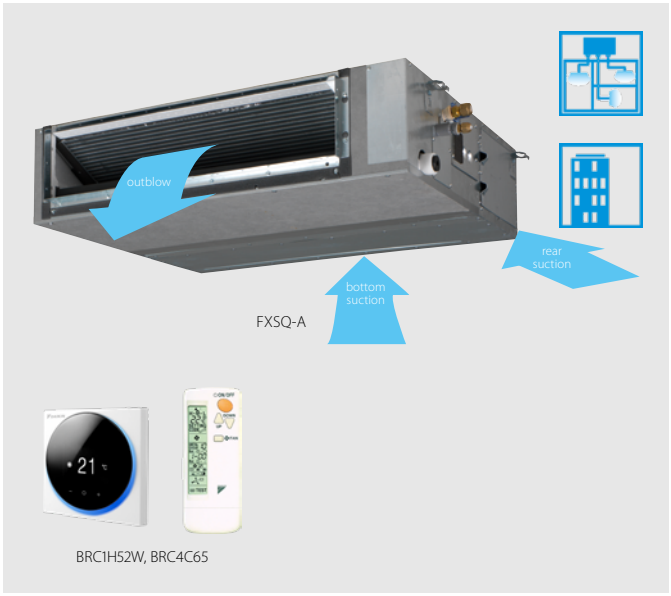


* Brings in up to 10% of fresh air into the room

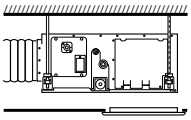
Optional fresh air intake kit



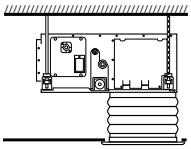
* Allow larger quantities of fresh air to be brought in



› Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles

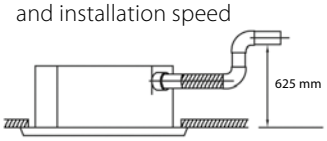


For free use into a false ceiling



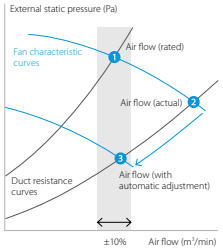
For connecting onto a suction canvas (not supplied by Daikin)

› Standard built-in drain pump with 625mm lift increases flexibility and installation speed



Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%



Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster

More details and final information can be found by scanning or clicking the QR codes.

FXSQ-A

Indoor Unit				FXSQ	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.041			0.045	0.087	0.089	0.101	0.135	0.173	0.237	0.247
	Heating	At high fan speed		kW	0.041			0.045	0.087	0.089	0.101	0.135	0.173	0.237	0.247
Dimensions	Unit	HeightxWidthxDepth		mm	245x550x800				245x700x800		245x1,000x800		245x1,400x800		245x1,550x800
Weight	Unit			kg	23.5			24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material				Galvanised steel plate										
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	8.7/7.50/6.5	9.0/7.50/6.5		9.5/8.00/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
		Heating	At high / medium / low fan speed	m^3/min	8.7/7.5/6.5	9.0/7.5/6.5		9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
	External static pressure - 50Hz	Factory set / High		Pa	30/150							40/150		50/150	
Air filter	Type				Resin net										
Sound power level	Cooling	At high fan speed		dBA	54			55	60		59	61		64	
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	29.5/28.0/25.0	30.0/28.0/25.0		26.0/29.0/26.0	35.0/32.0/29.0		33.0/30.0/27.0	35.0/32.0/29.0	36.0/34.0/31.0	39.0/36.0/33.0	41.5/38.0/34.0
	Heating	At high / medium / low fan speed		dBA	31.5/29.0/26.0	32.0/29.0/26.0		33.0/30.0/27.0	37.0/34.0/29.0		35.0/32.0/28.0	37.0/34.0/30.0	37.0/34.0/31.0	40.0/37.0/33.0	42.0/38.5/34.0
Refrigerant	Type/GWP				R-410A/2,087.5										
Piping connections	Liquid	OD		mm	6.35						9.52				
	Gas	OD		mm	12.7						15.9				
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse amps (MFA)			A	16										
Control systems	Infrared remote control				BRC4C65										
	Wired remote control				BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52										

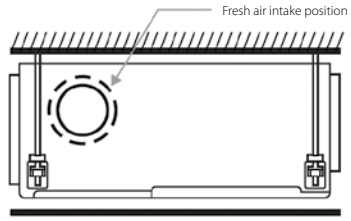
Contains fluorinated greenhouse gases

Concealed ceiling unit with high ESP

Ideal for large sized spaces: ESP up to 250 Pa

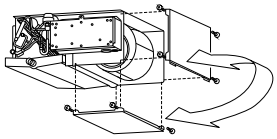
- High external static pressure up to 250Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required (50-125 class)

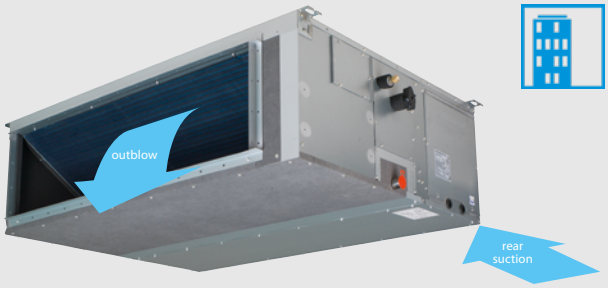
Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

- Flexible installation, as the air suction direction can be altered from rear to bottom suction



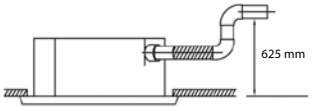


FXMQ200-250A



BRC1H52W, BRC4C65

- Standard built-in drain pump with 625mm lift increases flexibility and installation speed (optional for 200-250)



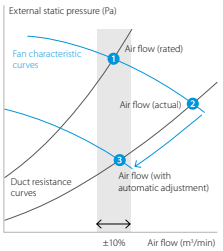
- Large capacity unit: up to 31.5 kW heating capacity

Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes. FXMQ-P7 FXMQ-A

Indoor Unit				FXMQ	50P7	63P7	80P7	100P7	125P7	200A	250A
Cooling capacity	Total capacity	At high fan speed		kW			-			22.4	28.0
	Nom.			kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
Heating capacity	Total capacity	At high fan speed		kW			-			25.0	31.5
	Nom.			kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.110	0.120	0.171	0.176	0.241	0.54	0.65
	Heating	At high fan speed		kW	0.098	0.108	0.159	0.164	0.229	0.54	0.65
Required ceiling void >				mm			350			-	
Dimensions	Unit	HeightxWidthxDepth		mm		300x1,000x700		300x1,400x700		470x1,490x1,100	
Weight	Unit			kg		35		46		105	115
Fan	Air flow rate - 50Hz	Cooling	At high/medium/low fan speed	m^3/min	18.0/16.5/15.0	19.5/17.8/16.0	25.0/22.5/20.0	32.0/27.5/23.0	39.0/33.5/28.0	62/48/41	74/64/52
		Heating	At high/medium/low fan speed	m^3/min	18.0/16.5/15.0	19.5/17.8/16.0	25.0/22.5/20.0	32.0/27.5/23.0	39.0/33.5/28.0	62/48/41	74/64/52
	External static pressure - 50Hz	Factory set / High		Pa			100/200			150/250	
Air filter	Type						Resin net			-	
Sound power level	Cooling	At high/medium/low fan speed		dBA	61.0/-/-	64.0/-/-	67.0/-/-	65.0/-/-	70.0/-/-	75/74/72	76/75/73
	Heating	At high/medium/low fan speed					-			75/74/72	76/75/73
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48/46.5/45	
	Heating	At high/medium/low fan speed		dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48/46.5/45	
Refrigerant	Type/GWP						R-410A/-			R-410A/2,087.5	
Piping connections	Liquid	OD		mm	6.35		9.52				
	Gas	OD		mm	12.7		15.9			19.1	22.2
	Drain						VP25 (I.D. 25/O.D. 32)			BSP1	
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/60/220-240/220 +/-10%			1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A			6				
Control systems	Infrared remote control						BRC4C65				
	Wired remote control						BRC1H52W/S/K/BRC1E53A/BRC1E53B/BRC1E53C/BRC1D52				

Contains fluorinated greenhouse gases



Wall mounted unit

For rooms with no false ceilings nor free floor space

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit



FXAQ-A

BRC1H52W, BRC7EA628

More details and final information can be found by scanning or clicking the QR codes.

FXAQ-A

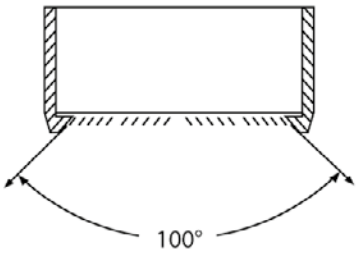
Indoor Unit				FXAQ	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fan speed		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.02		0.03		0.02	0.03	0.05
	Heating	At high fan speed		kW	0.03			0.04	0.02	0.04	0.06
Dimensions	Unit	HeightxWidthxDepth		mm	290x795x266				290x1,050x269		
Weight	Unit			kg	12				15		
Fan	Air flow rate - 50Hz	Cooling	At high fan speed/ At low fan speed	m^3/min	8.4/7.0	9.1/7.0	9.4/7.0	9.8/7.0	12.2/9.7	14.4/11.5	18.3/13.5
Air filter	Type				Washable resin net						
Sound power level	Cooling	At high fan speed		dBA	51.0	52.0	53.0	55.0		58.0	63.0
Sound pressure level	Cooling	At high fan speed/ At low fan speed		dBA	32.0/28.5	33.0/28.5	35.0/28.5	37.5/28.5	37.0/33.5	41.0/35.5	46.5/38.5
	Heating	At high fan speed/ At low fan speed		dBA	33.0/28.5	34.0/28.5	36.0/28.5	38.5/28.5	38.0/33.5	42.0/35.5	47.0/38.5
Refrigerant	Type/GWP				R-410A/2,087.5						
Piping connections	Liquid	OD		mm	6.35						9.52
	Gas	OD		mm	12.7						15.9
	Drain				VP13 (I.D. 15/O.D. 18)						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	16						
Control systems	Infrared remote control				BRC7EA628 / BRC7EA629						
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						

Contains fluorinated greenhouse gases

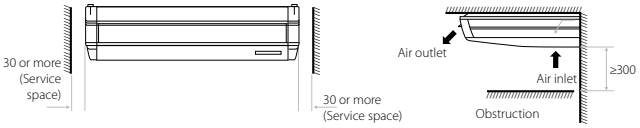
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle

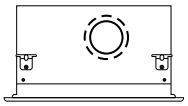


› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Two optional intelligent sensors improve energy efficiency and comfort
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FXHQ63A

BRC1H52W, BRC7GA53-9

More details and final information can be found by scanning or clicking the QR codes.

FXHQ-A

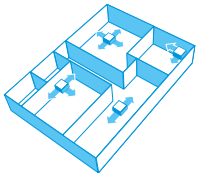
Indoor Unit				FXHQ	32A	63A	100A
Cooling capacity	Total capacity	At high fan speed		kW	3.6	7.1	11.2
Heating capacity	Total capacity	At high fan speed		kW	4.0	8.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.107	0.111	0.237
	Heating	At high fan speed		kW	0.107	0.111	0.237
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x1,270x690	235x1,590x690
Weight	Unit			kg	24	33	39
Casing	Material				Resin		
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m^3/min	14.0/12.0/10.0	20.0/17.0/14.0	29.5/24.0/19.0
		Heating	At high / medium / low fan speed	m^3/min	14.0/12.0/10.0	20.0/17.0/14.0	29.5/24.0/19.0
Air filter	Type				Resin net with mold resistance		
Sound power level	Cooling	At high / medium / low fan speed		dBA	54/52/49	55/53/52	62/55/52
Sound pressure level	Cooling	At high / medium / low fan speed		dBA	36.0/34.0/31.0	37.0/35.0/34.0	44.0/37.0/34.0
	Heating	At high / medium / low fan speed		dBA	36.0/34.0/31.0	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type/GWP				R-410A/2,087.5		
Piping connections	Liquid	OD		mm	6.35	9.52	
	Gas	OD		mm	12.7	15.9	
	Drain				VP20 (I.D. 20/O.D. 26)		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		
Current - 50Hz	Maximum fuse amps (MFA)			A	16		
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56		
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		

Contains fluorinated greenhouse gases

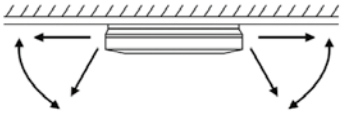
4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

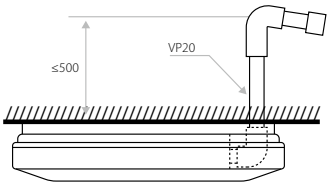
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



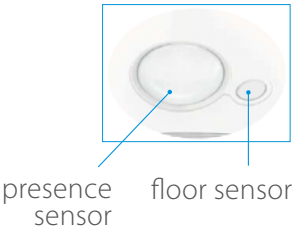
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- 5 different discharge angles between 0 and 60° can be programmed via the remote control



- Standard drain pump with 720mm lift increases flexibility and installation speed







More details and final information can be found by scanning or clicking the QR codes.

FXUQ-A

Indoor Unit				FXUQ	71A	100A
Cooling capacity	Total capacity	At high fan speed		kW	8.0	11.2
Heating capacity	Total capacity	At high fan speed		kW	9.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.090	0.200
	Heating	At high fan speed		kW	0.073	0.179
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950	
Weight	Unit			kg	26	27
Casing	Material				Resin	
Fan	Air flow rate - 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	22.5/19.5/16.0	31.0/26.0/21.0
		Heating	At high/medium/ low fan speed	m^3/min	22.5/19.5/16.0	31.0/26.0/21.0
Air filter	Type				Resin net with mold resistance	
Sound power level	Cooling	At high/medium/low fan speed		dBA	58/56/54	65/62/58
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	40.0/38.0/36.0	47.0/44.0/40.0
	Heating	At high/medium/low fan speed		dBA	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	Type/GWP				R-410A/2,087.5	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	15.9	
	Drain				I.D. 20/O.D. 26	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	
Control systems	Infrared remote control				BRC7C58	
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52	

Contains fluorinated greenhouse gases

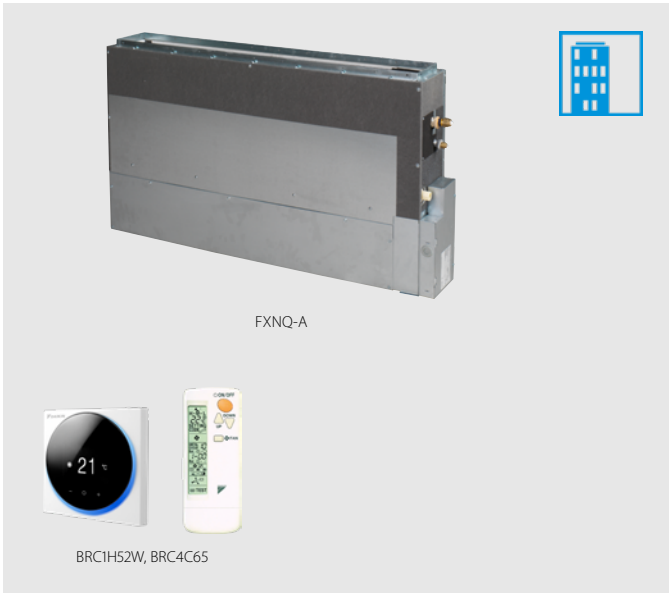
Concealed floor standing unit

Designed to be concealed in walls

› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Requires very little installation space as the depth is only 200mm



› Its low height (620 mm) enables the unit to fit perfectly beneath a window
› High ESP allows flexible installation



More details and final information can be found by scanning or clicking the QR codes.

FXNQ-A

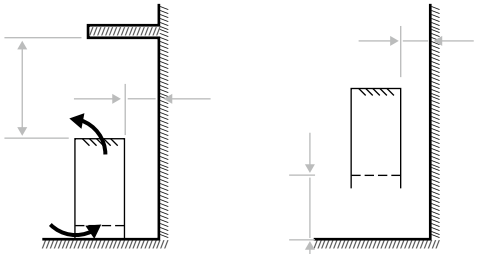
Indoor Unit				FXNQ	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	At high fan speed		kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.071			0.078	0.099	0.110
	Heating	At high fan speed		kW	0.068			0.075	0.096	0.107
Dimensions	Unit	HeightxWidthxDepth		mm	620/720x790x200			620/720x990x200		620/720x1,190x200
Weight	Unit			kg	23.5			27.5		32.0
Casing	Material				Galvanised steel plate					
Fan	Air flow rate - 50Hz	Cooling	At high/medium/low fan speed	m^3/min	8.0/7.20/6.4			10.5/9.50/8.5	12.5/11.0/10.0	16.5/14.5/13.0
		Heating	At high/medium/low fan speed	m^3/min	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory set / High		Pa	10/41.0		10/42.0	15/52.0	15/59.0	15/55.0
Air filter	Type				Resin net					
Sound power level	Cooling	At high fan speed		dBA	51			52	53	54
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	30.0/28.5/27.0			32.0/30.0/28.0	33.0/31.0/29.0	35.0/33.0/32.0
	Heating	At high/medium/low fan speed		dBA	30.0/28.5/27.0			32.0/30.0/28.0	33.0/31.0/29.0	35.0/33.0/32.0
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD		mm	6.35					9.52
	Gas	OD		mm	12.7					15.9
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					

Contains fluorinated greenhouse gases

Floor standing unit

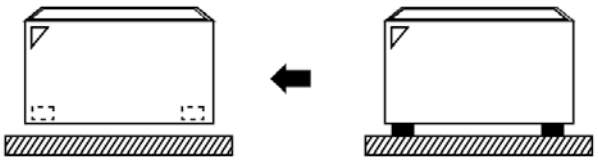
For perimeter zone air conditioning

- Unit can be installed as free standing model by use of optional back plate
- Its low height enables the unit to fit perfectly beneath a window
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7012) blends easily with any interior
- Requires very little installation space



Floor standing Wall mounted

- Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate



- Wired remote control can easily be integrated in the unit



FXLQ20-25P

BRC1H52W, BRC4C65

More details and final information can be found by scanning or clicking the QR codes.

FXLQ-P

Indoor Unit				FXLQ	20P	25P	32P	40P	50P	63P
Cooling capacity	Total capacity	At high fan speed		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fan speed		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.05		0.09		0.11	
	Heating	At high fan speed		kW	0.05		0.09		0.11	
Dimensions	Unit	HeightxWidthxDepth		mm	600x1,000x232		600x1,140x232		600x1,420x232	
Weight	Unit			kg	27		32		38	
Fan	Air flow rate - 50Hz	Cooling	At high fan speed/ At low fan speed	m^3/min	7/6.0		8/6.0	11/8.5	14/11.0	16/12.0
Air filter	Type				Resin net					
Sound power level	Cooling	At high fan speed		dBA	54			57	58	59
Sound pressure level	Cooling	At high fan speed/ At low fan speed		dBA	35/32			38/33	39/34	40/35
	Heating	At high fan speed/ At low fan speed		dBA	35/32			38/33	39/34	40/35
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	12.7					15.9
	Drain				O.D. 21 (Vinyl chloride)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	15					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					

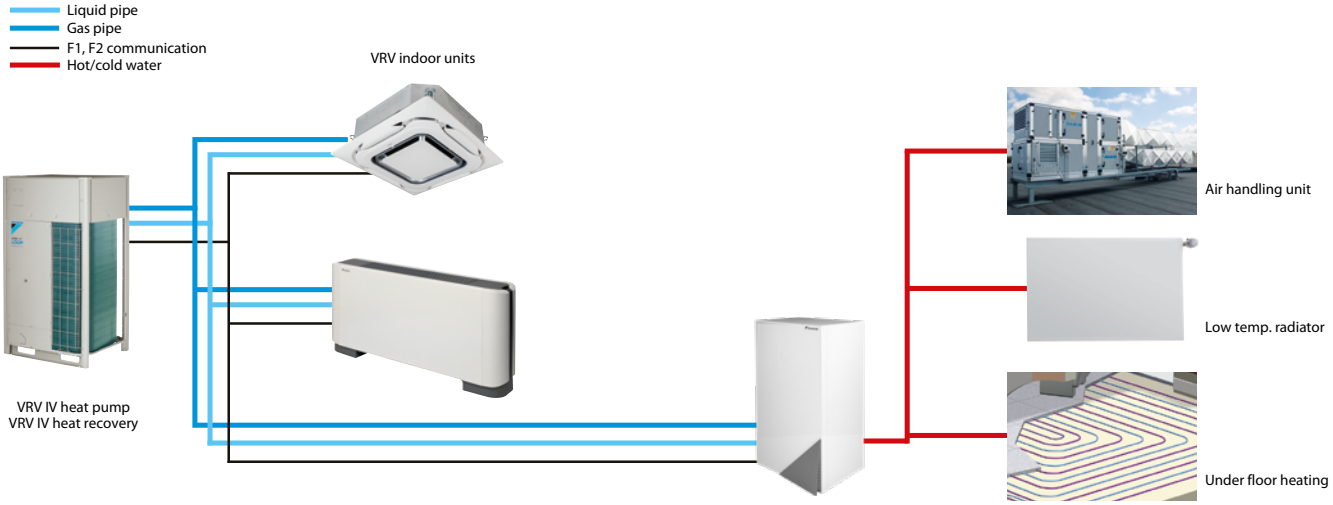
Contains fluorinated greenhouse gases

Low temperature hydrobox for VRV

For high efficiency space heating and cooling

- Air to water connection to VRV for applications such as underfloor, air handling units, low temperature radiators, …
- Leaving water temperature range from 5°C to 45°C without electric heater
- Super wide operating range for hot/cold water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- Space saving contemporary wall mounted design
- No gas connection or oil tank needed
- Connectable to VRV IV heat pump and heat recovery





More details and final information can be found by scanning or clicking the QR codes.

HXY-A8

Indoor Unit			HXY	080A8	125A8
Cooling capacity	Nom.		kW	8.0 (1)	12.5 (1)
Heating capacity	Nom.		kW	9.00 (2)	14.00 (2)
Casing	Colour			White	
	Material			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344	
Weight	Unit		kg	44.0	
Operation range	Heating	Ambient Min.~Max.	°C	-20 ~24	
		Water side Min.~Max.	°C	25 ~45	
	Cooling	Ambient Min.~Max.	°CDB	10 ~43	
		Water side Min.~Max.	°C	5 ~20	
Refrigerant	Type			R-410A	
	GWP			2,087.5	
Sound pressure level	Nom.		dBA	31	
Refrigerant circuit	Gas side diameter		mm	15.9	
	Liquid side diameter		mm	9.5	
Water circuit	Piping connections diameter		inch	G 1"1/4 (female)	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240	
Current	Recommended fuses		A	6~16	

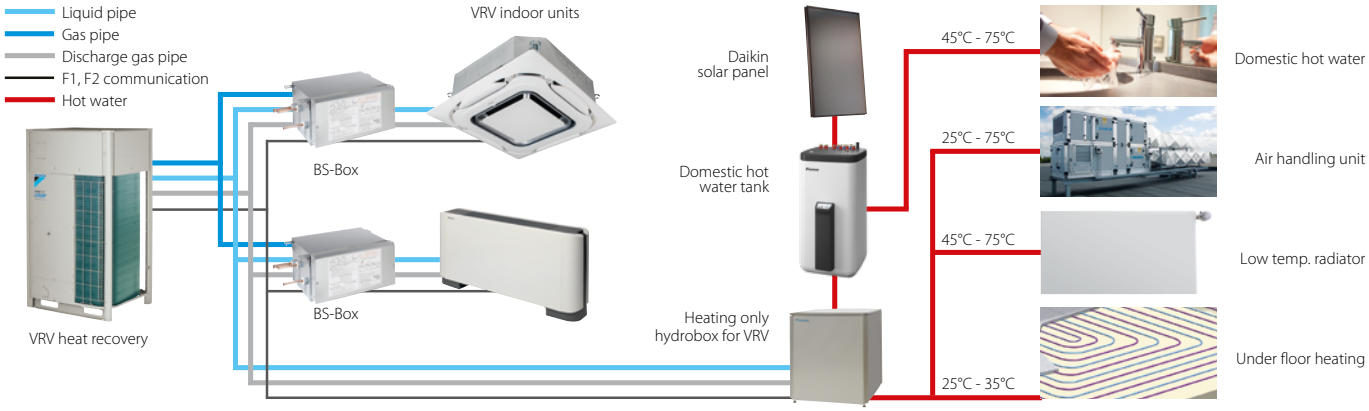
(1)Tamb 35°C - LWE 18°C (DT=5°C) | (2) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | Contains fluorinated greenhouse gases

High temperature hydrobox for VRV

For efficient hot water production and space heating

- Air to water connection to VRV for applications such as bathrooms, sinks, underfloor heating, radiators and air handling units
- Leaving water temperature range from 25 to 80°C without electric heater
- „Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler
- Possibility to connect thermal solar collectors to the domestic hot water tank
- Super wide operating range for hot water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- Various control possibilities with weather dependant set point or thermostat control
- The indoor unit and domestic hot water tank can be stacked to save space, or installed next to each other, if only limited height is available
- No gas connection or oil tank needed
- Connectable to VRV IV heat recovery





More details and final information can be found by scanning or clicking the QR codes.

HXHD-A8

Indoor Unit				HXHD	125A8	200A8
Heating capacity	Nom.			kW	14.0	22.4
Casing	Colour				Metallic grey	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	705x600x695	
Weight	Unit			kg	92.0	147
Operation range	Heating	Ambient	Min.~Max.	°C	-20.0 ~20 (3) / 20	
		Water side	Min.~Max.	°C	25 ~80.0	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20.0 ~43.0	
		Water side	Min.~Max.	°C	45 ~75	
Refrigerant	Type / GWP				R-134a / 1,430	
	Charge			kg	2.00	2.60
Sound power level	Nom.			dBA	55.0 (1)	60.0 (1)
Sound pressure level	Nom.			dBA	42.0 (1) / 43.0 (2)	46.0 (1) / 46.0 (2)
	Night quiet mode	Level 1		dBA	38 (1)	45 (1)
Water circuit	Piping connections diameter			inch	G 1" (female)	
	Heating water system	Water volume	Max. ~ Min.	l	200 ~ 20	400 ~ 20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415
Current	Recommended fuses			A	20	16

(1)Sound levels are measured at: EW 55°C; LW 65°C | (2)Sound levels are measured at: EW 70°C; LW 80°C | (3)Field setting | Contains fluorinated greenhouse gases

Daikin Altherma ST Thermal store

Plastic domestic **hot water tank with solar support**

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- Available in 300 and 500 liters



More details and final information can be found by scanning or clicking the QR codes.

EKHWP-B EKHWP-PB

Accessory				EKHWP	300B	500B	300PB	500PB	54419B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	Width	mm		595	790	595	790	
		Depth	mm		615	790	615	790	
		Height	mm		1,646	1,658	1,646	1,658	
Weight	Unit	Empty	kg		53	76	56	82	71
Tank	Water volume		L		294	477	294	477	
	Material				Polypropylene				
	Maximum water temperature		°C		85				
	Insulation	Heat loss	kWh/24h		1.50	1.70	1.50	1.70	
	Energy efficiency class				B				
	Standing heat loss		W		64	72	64	72	
	Storage volume		L		290	393	290	393	
Heat exchanger	Domestic hot water	Quantity			1				
		Tube material			Stainless steel (DIN 1.4404)				
		Face area	m^2		5.60	5.80	5.60	5.90	5.80
		Internal coil volume	L		27.80	28.90	27.80	29	28.90
		Operating pressure	bar		10				
	Charging	Quantity			1				
		Tube material			Stainless steel (DIN 1.4404)				
		Face area	m^2		2.66	3.70	2.66	3.70	1.95
		Internal coil volume	L		12.90	18.10	12.90	18.10	10
		Operating pressure	bar		6				3
	Auxiliary solar heating	Tube material			-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)	
		Face area	m^2		-	0.76	-	0.76	
		Internal coil volume	L		-	3.90	-	3.90	
		Operating pressure	bar		-	3	-	3	

EKSV-P/EKSH-P

Solar collector

Thermal solar collector for hot water production

- Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- Horizontal solar collector for domestic hot water production
- Vertical solar collector for domestic hot water production
- High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- Easy to install on roof tiles
- Can be used for drain-back and pressurised applications


EKSV21P

More details and final information can be found by scanning or clicking the QR codes. EKSV-P EKSH-P

Accessory				EKSV21P	EKSV26P	EKSH26P
Mounting				Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth	mm	2,000x1,006x85	2,000x1,300x85	1,300x2,000x85
Weight	Unit		kg	33	42	
Volume			L	1.30	1.70	2.10
Surface	Outer		m^2	2.01	2.60	
	Aperture		m^2	1,800	2,360	
	Absorber		m^2	1.80	2.36	
Coating				Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)		
Absorber				Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate		
Glazing				Single pane safety glass, transmission +/- 92%		
Allowed roof angle	Min. ~ Max.		°	15 ~ 80		
Operating pressure	Max.		bar	6		
Stand still temperature	Max.		°C	192		
Thermal performance	Collector efficiency (ηcol)		%	53		
	Zero loss collector efficiency η0		%	0.71		
	Heat loss coefficient a1		$W/m^2.K$	4,300		
	Temperature dependence of the heat loss coefficient a2		$W/m^2.K^2$	0.006		
	Thermal capacity		kJ/K	4.90	6.50	

EKSRPS4A/EKSRDS2A

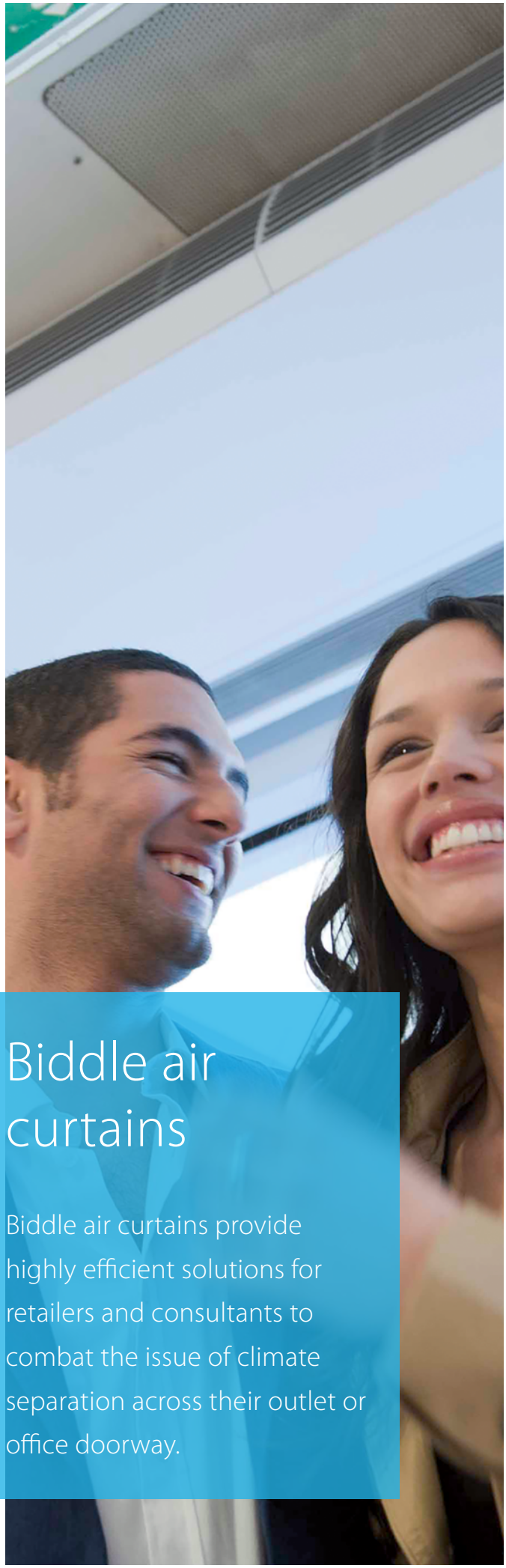
Pump station

- Save energy and reduce CO_2 emissions with a solar system for domestic hot water production
- Pump station connectable to drain-back solar system
- Pump station and control provide the transfer of solar heat to the domestic hot water tank


EKSRPS4A

More details and final information can be found by scanning or clicking the QR codes. EKSRPS4A EKSRDS2A

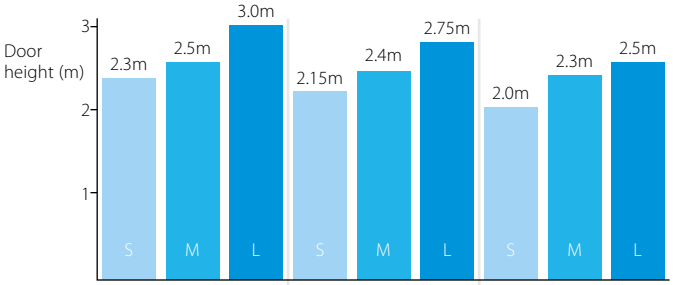
Accessory				EKSRPS4A	EKSRDS2A
Mounting				On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth	mm	815x142x230	410x314x154
Weight	Unit		kg	6.40	6
Operation range	Ambient temperature	Min. ~ Max.	°C	5 ~ 40	- ~ 40
Operating pressure	Max.		bar	-	6
Stand still temperature	Max.		°C	85	120
Control	Type			Digital temperature difference controller with plain text display	
	Power consumption		W	2	5
Sensor	Solar panel temperature sensor			Pt1000	
	Storage tank sensor			PTC	-
	Return flow sensor			PTC	-
	Feed temperature and flow sensor			Voltage signal (3.5V DC)	-
Power supply	Phase/Frequency/Voltage		Hz/V	1 ~ /50/230	-/50/230
Power supply intake				Indoor unit	
Auxiliary	Solpump		W	37.3	23
	Annual auxiliary electricity consumption Qaux		kWh	92.1	89
	Solstandby		W	2.00	5.00



Biddle air curtains

Biddle air curtains provide highly efficient solutions for retailers and consultants to combat the issue of climate separation across their outlet or office doorway.

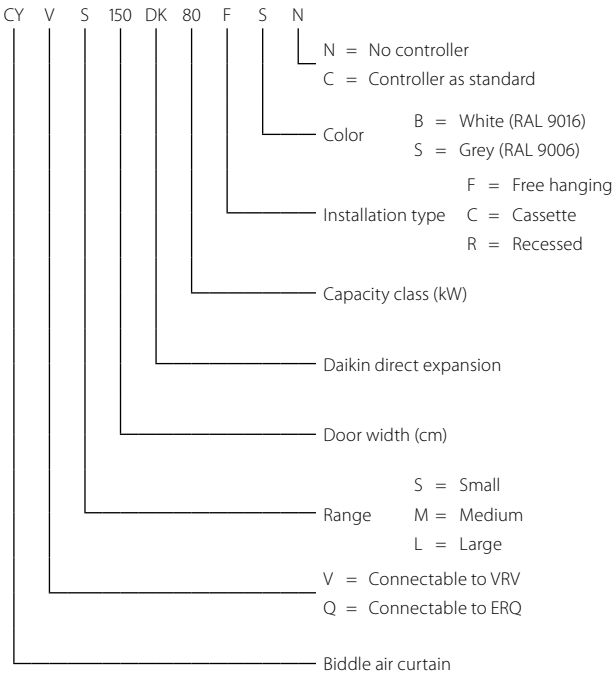
Biddle air curtain portfolio



Installation condition	Favourable	Normal	Unfavourable
	ex: covered shopping mall or revolving door entrance	ex: little direct wind, no opposite open doors, building with ground floor only	ex: location at a corner or square, multiple floors and / or open stairwell

Type	Product name	Features	
Biddle standard air curtain free hanging	CYV S/M/L-DK-F	- CYQ - Biddle air curtain for connection to ERQ - Connectable to ERQ heat pump - Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible - Free-hanging model (F): easy wall mounted installation - Recessed model (R): neatly conceiled in the ceiling - A payback period of less than 1.5 years compared to installing an electric air curtain - Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required	
Biddle standard air curtain cassette	CYV S/M/L-DK-C		
Biddle standard air curtain recessed	CYV S/M/L-DK-R		

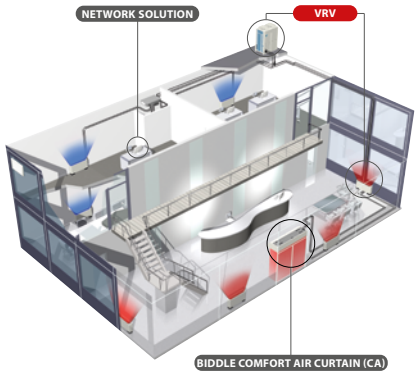
Biddle air curtain nomenclature



Biddle air curtain for VRV and Conveni-pack

- Connectable to VRV heat recovery, heat pump and Conveni-pack
- VRV is among the first DX systems suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode (in case of VRV heat recovery)
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity





New R-32 range coming in 2023

VRV 5

More details and final information can be found by scanning or clicking the QR codes.

CYV

				Small				Medium			
				CYVS100DK80 *BC/*SC	CYVS150DK80 *BC/*SC	CYVS200DK100 *BC/*SC	CYVS250DK140 *BC/*SC	CYVM100DK80 *BC/*SC	CYVM150DK80 *BC/*SC	CYVM200DK100 *BC/*SC	CYVM250DK140 *BC/*SC
Heating capacity	Speed 3		kW	7.40	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	19	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006							
Dimensions	Unit	Height F/C/R	mm	270/270/270							
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561							
Required ceiling void >			mm	420							
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	56	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m^3/h	1,164	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	47	49	50	51	50	51	53	54
Refrigerant	Type / GWP			R-410A / 2,087.5							
Piping connections	Liquid/OD/Gas/OD		mm	9.52/15.9			9.52/19.1	9.52/15.9			9.52/19.1
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)							
Power supply	Voltage		V	230							

				Large			
				CYVL100DK125*BC/*SC	CYVL150DK200*BC/*SC	CYVL200DK250*BC/*SC	CYVL250DK250*BC/*SC
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Speed 3		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm	370/370/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	774/1,105/745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating	Speed 3	m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57
Refrigerant	Type / GWP			R-410A / 2,087.5			
Piping connections	Liquid/OD/Gas/OD		mm	9.52/15.9	9.52/19.1	9.52/22.2	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)			
Power supply	Voltage		V	230			

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only
(3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway

		R-32		R-32
		VRV 5 heat recovery		VRV S-series
		REYA8-20 REMA5	2 module systems	RXYSA-AV1/AY1
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system		2 modules: BHFQ23P907A	
Kits	**Extended level difference kit** - Allows outdoor unit to be more than 50m above indoor units			
Kits	**Central drain pan kit** - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.			
Kits	**Bottom plate heater** - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)	5/8-12: EKBPH012T 14-20: EKBPH020T		EKBPH250D
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.			DTA104A53/61/62 For installation into an indoor unit: exact adapter type depend For 14-20 HP the demand PCB mouting plate is required. See Option
Adapters	**KRC19-26** Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.			●
Adapters	Cool/heat selector PCB (required to connect KRC19-26)			Standard on unit
Adapters	**KKSB26B1*** Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)			
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26			●
Others	**EKCHSC** - Cool/heat selector cable			
Others	**EKPCCAB4** VRV configurator			●
Others	**KKSB26B1*** Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.			
Others	**DTA109A51** DIII-net expander adapter			
Others	**BPMKS967A2/A3** Branch provider (for connection of 2/3 RA indoor units)			
Others	**EKDK04** Drain plug kit			
Others	**EKLN140A** Sound enclosure			●

		VRV IV S-series		
		RXYSCQ-TV1	RXYSQ4-6TV9	RXYSQ4-6TY9
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system			
Kits	**Extended level difference kit** - Allows outdoor unit to be more than 50m above indoor units			
Kits	**Central drain pan kit** - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.			
Kits	**Bottom plate heater** - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)			
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.		DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units	
Adapters	**KRC19-26** Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.		●	●
Adapters	Cool/heat selector PCB (Required to connect KRC19-26)		EBRP2B	
Adapters	**KKSB26B1*** Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)			
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26		●	●
Others	**EKCHSC** Cool/heat selector cable (Required to connect KRC19-26)			●
Others	**EKPCCAB4** VRV configurator	●	●	●
Others	**KKSB26B1*** Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.			
Others	**DTA109A51** DIII-net expander adapter			
Others	**BPMKS967A2/A3** Branch provider (for connection of 2/3 RA indoor units)	●	●	●
Others	**EKDK04** Drain plug kit		●	●

VRV IV+ heat recovery		VRV IV+ heat pump		VRV IV C+series	
REYQ8-20 REMQ5	**2/3 module systems**	**RYYQ8-20 RYMQ8-20 RXYQ8-20**	**2/3 module systems**	**RXYLQ RXMLQ**	**2/3 module systems**
	2 modules: BHFQ23P907A 3 modules: BHFQ23P1357		2 modules: BHFQ22P1007 3 modules: BHFQ22P1517		2 modules: BHFQ22P1007 3 modules: BHFQ22P1517
Special order unit					
5/8-12: EKBPH012T7A 14-20: EKBPH020T7A		8-12: EKBPH012T7A 14-20: EKBPH020T7A			
ds on type of indoor unit. s & Accessories of indoor units		DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units			
		•	1 kit per system	•	1 kit per system
		BRP2A81	1 kit per system	BRP2A81	1 kit per system
		• (14-20)	1 kit per system	•	1 kit per system
		•	1 kit per system	•	1 kit per system
		•		•	
		• (14-20)			
		•		•	

	VRV IV i-series SB.RKXYQ			
RXYSQ8-12TY1	**RDXYQ5**	**RDXYQ8**	**RKXYQ5**	**RKXYQ8**
	EKDPH1RDX	EKDPH1RDX		

DTA104A53/61/62
For installation into an indoor unit: exact adapter type depends on type of indoor unit.
See Options & Accessories of indoor units

			•	•
				BRP2A81
			•	•
			•	
•			•	•
•				

		VRV IV-Q Heat Pump Replacement VRV		
		RQYQ 140P	**RXYQQ8-20**	**2/3-module systems**
Kits	**Multi-module connection kit (obligatory)** Connects multiple modules into a single refrigerant system			2 modules: BHFQ22P1007 3 modules: BHFQ22P1517
	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.	KWC26B160		
	Bottom plate heater - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)		8-12: EKBPH012T7A 14-20: EKBPH020T7A	
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit*, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units	
	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	●	●	1 kit per system
	BRP2A81 Cool/heat selector PCB (required to connect KRC19-26 to VRV IV outdoor)		●	1 kit per system
	KKSB26B1* Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)		● (8-12)	1 kit per system
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26	●	●	1 kit per system
	EKPCCAB4 VRV configurator		●	
	KKSB2B61* Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.		● (8-12)	
	DTA109A51 DIII-net expander adapter			

(1) For installations with special requirements towards fire regulations, the insulation material can be replaced using kits EKHBFQ1 and EKHBFQ2.
The kits contain insulation material that complies with EN13501-1:B-S3,dO and BS476-7 (class 1)

Refnets & branch selector boxes

		Refnet Joints			
		Capacity index	**Capacity index**	**Capacity index**	**Capacity index**
		< 200	**200 ≤ x < 290**	**290 ≤ x < 640**	**> 640**
Refnets	Imperial-size connections for heat recovery pump (2-pipe)	For all R-410A VRV: KHRQ22M20T For all R-410A+R-32 VRV: KHRQ22M20TA	KHRQ22M29T9	KHRQ22M64T	KHRQ22M75T
	Imperial-size connections for heat recovery pump (2-pipe) (1)	KHRQ23M20T	KHRQ23M29T9	KHRQ23M64T	KHRQ23M75T
Options for Branch selector boxes (BS box) (only for connection with VRV heat recovery system)	Closed pipe kit				
	Joint kit				
	Quiet kit				
	Duct connection: To connect extraction of BSSV boxes in serial				
	Drain pump kit				

(1) For metric size connections, contact your local sales responsible

VRV III-Q Heat Recovery Replacement VRV		VRV-W IV Water-cooled VRV		
			Heat Pump application	Heat Recovery application
RQEQ 140~212	2/3/4-module systems	RWEYQ8-14	2/3-module systems	2/3-module systems
	2/3 modules: BHFP26P36C 4 modules: BHFP26P84C		BHFQ22P1007 / BHFQ22P1517 (1)	BHFQ23P907 / BHFQ23P1357 (1)
DTA104A53/61/62 Installation in the RWEYQ outdoor unit possible. For installation in indoor units, use appropriate type (DTA104A53/61/62) for particular indoor unit. See Options & Accessories of indoor units				
		• (for H/P only)	1 kit per system	
		• (for H/P only)	1 kit per system	
•		• (for H/P only)	1 kit per system	
		•	•	•
		•	•	•

Refnet Headers			VRV 5 Heat Recovery Branch Selector (BSSV) boxes R-32	VRV IV Heat Recovery Branch Selector (BS) boxes R-410A	
Capacity index	Capacity index	Capacity index	Multi port	1-port	Multi port
< 290	290 ≤ x < 640	> 640	BS-A14AV1B	BS1Q-A	BS-Q14AV1B
KHRQ22M29H	KHRQ22M64H	KHRQ22M75H			
KHRQ23M29H	KHRQ23M64H	KHRQ23M75H			
					KHFP26A100C
			EKBSJK		KHRP26A250T
				EKBSVQLNP	4 port: KDDN26A4 6-8 port: KDDN26A8 10-12 port: KDDN26A12 16 port: KDDN26A16
			EKBSDCK		
			K-KDU303KVE		

			Ceiling mounted cassette units	
			Round flow (800x800)	4-way (600x600)
			FXFA-A	FXZA-A
Panels	**Decoration panel** (obligatory for cassette units, optional for others, rear panel for FXLQ)		Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(3) / BYCQ140EB (black) Auto cleaning (5)(6): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	R-410A model: BYFQ60C2W1W (white panel) BYFQ60C2W1S (grey panel) BYFQ60B3W1 (standard panel) R-32 model: BYFQ60C4W1W (white panel) (19) BYFQ60C4W1S (grey panel) (19) BYFQ60B3W1 (standard panel) (20)
	Panel spacer for reducing required installation height			KDBQ44B60 (Standard panel)
	Sealing kit for 3- or 2-directional air discharge		KDBHQ56B140 (7)	BDBHQ44C60 (white & grey panel)
	Sensor kit		BRYQ140B (white panels) BRYQ140BB (black panels) BRYQ140C (white designer panel) BRYQ140CB (black designer panel)	R-410A models: BRYQ60A2W (white) BRYQ60A2S (grey) R-32 models: BRYQ60A3W (white) BRYQ60A3S (grey)
Individual control systems	Infrared remote control (incl. receiver)		BRC7FA532F (white panels) (7)(15) BRC7FA532FB (black panels) (7)(15) BRC7FB532F (white designer panel) (7)(15) BRC7FB532FB (black designer panel) (7)(15)	BRC7F530W (9) (10) (white panel) BRC7F530S (9) (10) (grey panel) BRC7EB530W (9) (10) (standard panel)
	BRP069C51 - Onecta app		●	●
	Madoka **BRC1H52W** (White) / **BRC1H52S** (Silver) / **BRC1H52K** (Black) User-friendly wired remote controller with premium design		● (mandatory)	● (mandatory)
	BRC1E53A/B/C - Wired remote control with full-text interface and back-light			
	BRC1D52 (4) - Standard wired remote control with weekly timer			
Centralised control systems	**DCC601A51** - intelligent Tablet Controller		●	●
	DCS601C51 (12) - intelligent Touch Controller		●	●
	DCS302C51 (12) - Central remote controller		●	●
	DCS301B51 (12) (13) - Unified ON/OFF controller		●	●
Building Management System & Standard protocol interfaces – for individual control	**RTD-NET** - Modbus interface for monitoring and control		●	●
	RTD-10 - Modbus interface for infrastructure cooling		●	●
	RTD-20 - Modbus interface for retail		●	●
	RTD-HO - Modbus interface for hotel		●	●
	KLIC-DI - KNX Interface		●	●
Building Management System & Standard protocol interfaces – for central control	**DCM601B51** - intelligent Touch Manager		●	●
	EKMBDXB - Modbus interface		●	●
	DCM010A51 - Daikin PMS interface		●	●
	DMS502A51 - BACnet Interface		●	●
	DMS504B51 - LonWorks Interface		●	●
Filters	Auto cleaning filter		see decoration panel	
	UV Streamer kit (purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy indoor environment)	UV Streamer kit	BAEF125AWB (22)	
		Replacement filter	BAFP55A160	
	Replacement high efficiency filter		BAF552AA160 ePM10 60% (7) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10: box of 10 filter)	
	Replacement long life filter, non-woven type		KAF5511D160	KAF441C60
	Pre-filter			
	Filter chamber			
Wiring and sensors	**KRCS** - External wired temperature sensor		KRCS01-5B	KRCS01-6B
	K.RSS - External wireless temperature sensor		SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)
Adapters	Adapter with 2 output signals (Compressor / Error, Fan output)		KRP1BA58 (2)(7)	ERP02A50 (2)
	Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)		EKRP1C12 (2)(7)	EKRP1C14 (2)
	Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)		KRP4A53 (2)(7)	KRP4A53 (2)
	Adapter for external central monitoring/control (controls 1 entire system)			KRP2A52
	Adapter for keycard and/or window contact connection (2)(11)		BRP7A53	BRP7A53 (2)
	Adapter for multi-tenant applications (24VAC PCB power supply interface)		DTA114A61	DTA114A61
	External control adapter for outdoor unit (installation on indoor unit)			
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)		KRP1H98A (7) KRP1BC101	KRP1BC101
	Wiring kit for Remote ON/OFF or Forced OFF		Standard	Standard
	Relay PCB for output signal of refrigerant sensor		ERP01A51 (2)	ERP01A50 (2)
Others	Drain pump kit		Standard	Standard
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)			
	Fresh air intake kit (direct installation type)		KDDP55C160-1 + KDDP55D160-2 (7)(8)	KDDQ44XA60
	Air discharge adapter for round duct			
	L-type piping kit			
	Insulation kit for high humidity			

(1) pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140EW decoration panel in environments exposed to concentrations of dirt*
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140EGF(B) the controller BRC1E or BRC1H* is needed
(6) The BYCQ140EGF(B) is not compatible with Multi and Split Non-Inverter Outdoor units
(7) Option not available in combination with BYCQ140EGF(B)
(8) Both parts of the fresh air intake are needed for each unit
(9) Cannot be combined with sensor kit
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC1H* / BRC1E*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the

Concealed ceiling units (duct units)			Ceiling suspended units		Wall mounted units
Slim	Medium ESP	High ESP	1-way blow	4-way blow	
FXDA-A	FXSA-A	FXMA-A	FXHA-A	FXUA-A	FXAA-A
				KDBHP49B140 + KDBTP49B140	
				BRE49B2F	
BRC4C65	BRC4C65	BRC4C65	BRC7GA53-9	BRC7C58	BRC7EA630
●	●	●	●	●	●
● (mandatory)	● (mandatory)	● (mandatory)	● (mandatory)	● (mandatory)	● (mandatory)
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●		●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
15-32: BAE20A62 40-50: BAE20A82 63: BAE20A102					
		BAFM503A250 (65%) (21) BAFH504A250 (90%) (21)			
		200~250: BAFL502A250 (21)	32: KAF501B56 50~63: KAF501B80 71~100: KAF501B160	KAFP551K160	
		BAFL501A250 (21)			
		BDD500B250			
KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B
SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	●	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)
			KRP1BA58		
ERP02A50 (2)	EKRP1C14 (2)	EKRP1C14 (2)		EKRP1C14 (2)	ERP02A50 (2)
KRP4A54-9 (2)	KRP4A52(2)	50~125: KRP4A52 200~250: KRP4A51	KRP4A52 (2)	KRP4A53 (2)	KRP4A51 (2)
KRP2A53 (2)	KRP2A51(2)	KRP2A51	KRP2A62		KRP2A61(2)
BRP7A54	BRP7A51	BRP7A51	BRP7A52 (2)	BRP7A53	BRP7A51 (2)
DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61
DTA104A53	DTA104A61 (2)	DTA104A61 (2)	DTA104A61		DTA104A51(2) / DTA104A61(2)
KRP1BC101	KRP1BC101	KRP1BC101	KRP1D93A/KRP4B93	KRP1B97	KRP4A93
	Standard	Standard	standard	standard	Standard
ERP01A51 (2)	ERP01A50 (2)	ERP01A50	ERP01A51 (2)	ERP01A51 (2)	ERP01A51 (2)
Standard	Standard	200~250: BDU510B250VM	32-50-63: KDU50R63 100: KDU50R160		K-KDU572KVE
	15~32: KDAP25A36A 40~50: KDAP25A56A 63~80: KDAP25A71A 100~125: KDAP25A140A 140: -	50~80: KDAJ25K71 100~125: KDAJ25K140 200~250: -			
			32: KHFP5M35 50~63: KHFP5N63 71~100: KHFP5N160		
KDT25N32 / KDT25N50 / KDT25N63					

controller
(13) Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary
(15) The active airflow circulation function is not available for this controller.
(16) Up to 2 adaptor PCBs can be installed per installation box
(17) Only one installation box can be installed per indoor unit
(18) VRV R-32 indoor units cannot be connected to this controller
(19) The BYFQ60C4* R-32 panels can be connected to R-410A indoor units with wire harness EKRS22
(20) Wire harness EKRS23 is necessary
(21) Filter chamber needed
(22) Only possible in combination with BYCQ140E and BYCQ140EW

Options & accessories -

VRV indoor & hot water R-410A LOOP BY DAIKIN

			Ceiling mounted cassette units			
			Round flow (800x800)	4-way (600x600)	2-way blow	Corner (1-way blow)
			FXFQ-B	FXZQ-A	FXCQ-A	FXKQ-MA
Panels	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)		Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(3) / BYCQ140EB (black) Auto cleaning (5)(6): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	R-410A model: BYFQ60C2W1W (white panel) BYFQ60C2W1S (grey panel) BYFQ60B3W1 (standard panel) R-32 model: BYFQ60C4W1W (white panel) (19) BYFQ60C4W1S (grey panel) (19) BYFQ60B3W1 (standard panel) (20)	20~40: BYBCQ40H 50~63: BYBCQ63H 80~125: BYBCQ125H	25~40: BYK45F 63: BYK71F
	Panel spacer for reducing required installation height			KDBQ44B60 (Standard panel)		25~40: KPBJ52F56 63: KPBJ52F80
	Sealing kit for 3- or 2-directional air discharge		KDBHQ56B140 (7)	BDBHQ44C60 (white & grey panel)		
	Sensor kit		BRYQ140B (white panels) BRYQ140BB (black panels) BRYQ140C (white designer panel) BRYQ140CB (black designer panel)	R-410A models: BRYQ60A2W (white) BRYQ60A2S (grey) R-32 models: BRYQ60A3W (white) BRYQ60A3S (grey)		
Individual control systems	Infrared remote control including receiver		BRC7FA532F (white panels) (7)(15) BRC7FA532FB (black panels) (7)(15) BRC7FB532F (white designer panel) (7)(15) BRC7FB532FB (black designer panel) (7)(15)	BRC7F530W (9) (10) (white panel) BRC7F530S (9) (10) (grey panel) BRC7EB530W (9) (10) (standard panel)	BRC7C52	BRC4C61
	BRP069C51 - Onecta app					
	Madoka **BRC1H52W** (White) / **BRC1H52S** (Silver) / **BRC1H52K** (Black) User-friendly wired remote controller with premium design		●	●	●	●
	BRC1E53A/B/C - Wired remote control with full-text interface and back-light		● (18)	● (18)	●	●
	BRC1D52 (4) - Standard wired remote control with weekly timer		● (15)(18)	● (18)	●	●
Centralised control systems	**DCC601A51** - Intelligent Tablet Controller		●	●	●	●
	DCS601C51 (12) - intelligent Touch Controller		●	●	●	●
	DCS302C51 (12) - Central remote control		●	●	●	●
	DCS301B51 (12) (13) - Unified ON/OFF control		●	●	●	●
Building Management System & Standard protocol interfaces – for individual control	**RTD-NET** - Modbus interface for monitoring and control		●	●	●	●
	RTD-10 - Modbus interface for infrastructure cooling		●	●	●	●
	RTD-20 - Modbus interface for retail		●	●	●	●
	RTD-HO - Modbus interface for hotel		●	●	●	●
	KLIC-DI - KNX Interface		●	●	●	●
Building Management System & Standard protocol interfaces – for central control	**DCM601B51** - intelligent Touch Manager		●	●	●	●
	EKMBDXB - Modbus interface		●	●	●	●
	DCM010A51 - Daikin PMS interface		●	●	●	●
	DMS502A51 - BACnet Interface		●	●	●	●
	DMS504B51 - LonWorks Interface		●	●	●	●
Filters	Auto cleaning filter		see decoration panel			
	UV Streamer kit (purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy indoor environment)	UV Streamer kit	BAEF125AWB (22)			
		Replacement filter	BAFP55A160			
	Replacement high efficiency filter		BAF552AA160 ePM10 60% (7) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10: box of 10 filter)			
	Replacement long life filter, non-woven type		KAF5511D160	KAF441C60	20~40: KAF531C50 50~63: KAF531C80 80~125: KAF531C160	
	Pre-filter					
	Filter chamber					
Wiring and sensors	**KRCS** - External wired temperature sensor		KRCS01-5B	KRCS01-4	KRCS01-4	KRCS01-1
	K.RSS - External wireless temperature sensor		K.RSS	K.RSS	●	●
Adapters	Adapter with 2 output signals (Compressor / Error, Fan output)		KRP1BA58 (2)(7)	KRP1B57 (2)		
	Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)		EKRP1C12 (2)(7)	EKRP1B2 (2)	EKRP1B2 (2)	KRP1B61
	Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)		KRP4A53 (2)(7)	KRP4A53 (2)	KRP4A51 (2)	KRP4A51
	Adapter for external central monitoring/control (controls 1 entire system)			KRP2A52	KRP2A51 (2)	KRP2A61
	Adapter for keycard and/or window contact connection (2)(11)		BRP7A53	BRP7A53 (2)	BRP7A51	BRP7A51
	Adapter for multi-tenant applications (24VAC PCB power supply interface)		DTA114A61	DTA114A61		
	External control adapter for outdoor unit (installation on indoor unit)				DTA104A61 (2)	DTA104A61
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)		KRP1H98A (7) KRP1BC101	KRP1BC101	KRP1C96 (16) (17)	
	Wiring kit for Remote ON/OFF or Forced OFF		Standard	Standard	Standard	Standard
	Relay PCB for output signal of refrigerant sensor					
Others	Drain pump kit		Standard	Standard	Standard	Standard
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)					
	Fresh air intake kit (direct installation type)		KDDP55C160-1 + KDDP55D160-2 (7)(8)	KDDQ44XA60		
	Air discharge adapter for round duct					
	L-type piping kit					
	Filter chamber for bottom suction				20~40: KDDFP53B50 50~63: KDDFP53B80 80~125: KDDFP53B160	
	Insulation kit for high humidity					

(1) pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140EW decoration panel in environments exposed to concentrations of dirt"
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140EGF(B) the controller BRC1E or BRC1H* is needed
(6) The BYCQ140EGF(B) is not compatible with Multi and Split Non-Inverter Outdoor units
(7) Option not available in combination with BYCQ140EGF(B)
(8) Both parts of the fresh air intake are needed for each unit
(9) Cannot be combined with sensor kit
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC1H* / BRC1E*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the controller
(13) Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary
(15) The active airflow circulation function is not available for this controller.
(16) Up to 2 adaptor PCBs can be installed per installation box
(17) Only one installation box can be installed per indoor unit
(18) VRV R-32 indoor units cannot be connected to this controller

Concealed ceiling units (duct units)				Ceiling suspended units		Wall mounted units	Floor standing units	
Slim	Medium ESP	High ESP		1-way blow	4-way blow		Concealed	Free-standing
FXDQ-A3	FXSQ-A	FXMQ-P7	FXMQ-A	FXHQ-A	FXUQ-A	FXAQ-A	FXNQ-A	FXLQ-P
								20~25: EKRDP25A5 32~40: EKRDP40A5 50~63: EKRDP63A5
					KDBHP49B140 + KDBTP49B140			
BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC7GA53-9	BRC7C58	BRC7EA629 / BRC7EA628	BRC4C65	BRC4C65
●	●	●	●	●	●	●	●	●
● (18)	● (18)	●	●	●	●	●	●	●
● (18)	● (18)	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
15-32: BAE20A62 40-50: BAE20A82 63: BAE20A102								
			BAFM503A250 (65%) (21) BAFH504A250 (90%) (21)					
			BAFL502A250 (21)	32: KAF501B56 63: KAF501B80 71~100: KAF501B160	KAF5511D160			20~25: KAF361L28 32~40: KAF361L45 50~63: KAF361L71
			BAFL501A250 (21)					
			BDD500B250					
KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-6B	KRCS01-4	KRCS01-4	KRCS01-1	KRSC01-4	KRCS01-1
K.RSS	K.RSS	●	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	●	●	K.RSS + EKEWTSC	●	●
		KRP1C64 (2)	KRP1C65	KRP1B54				
KRP1B56	EKRP1B2 (2)	EKRP1B2 (2)	EKRP1C14 (2)			KRP1B56	KRP1B56	KRP1B61
KRP4A54-9 (2)	KRP4A52 (2)	KRP4A51 (2)	KRP4A51	KRP4A52 (2)	KRP4A53 (2)	KRP4A51 (2)	KRP4A54-9	KRP4A51
KRP2A53 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51	KRP2A62 (2)		KRP2A51 (2)/ KRP2A61(2)	KRP2A53	KRP2A51
BRP7A54	BRP7A51	BRP7A51	BRP7A51	BRP7A52	BRP7A53	BRP7A51 (2)	BRP7A54	BRP7A51
DTA114A61	DTA114A61 (2)	DTA114A61 (2)	DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61	EKMTAC
DTA104A53	DTA104A61	DTA104A61 (2)	DTA104A61	DTA104A62-9		DTA104A51 / DTA104A61	DTA104A53	DTA104A61
KRP1BC101	KRP1BC101	KRP4A96		KRP1D93A (19)	KRP1B97	KRP4AA93 (16)(17)	KRP1BC101	
	Standard	Standard	Standard	EKRORO4	EKRORO5	Standard	Standard	Standard
Standard	Standard	Standard	BDU510B250VM	32: KDU50R63 63~100: KDU50R160		K-KDU572KVE		
●	●							
	15~32: KDAP25A36A 40~50: KDAP25A56A 63~80: KDAP25A71A 100~125: KDAP25A140A 140: -	50~80: KDAJ25K71 100~125: KDAJ25K140						
				35: KHFP5M35 63: KHFP5N63 71~100: KHFP5N160				
KDT25N32 / KDT25N50 / KDT25N63								

(19) The BYFQ60C4* R-32 panels can be connected to R-410A indoor units with wire harness EKRS22
(20) Wire harness EKRS23 is necessary
(21) Filter chamber needed
(22) Only possible in combination with BYCQ140E and BYCQ140EW
(23) Requires demand PCB
(24) Can only be used in combination with wireless room thermostat
(25) If tank is NOT mounted on top of the HXHD unit, then option EKFMAHTB is needed to install tank as stand alone

	HXY080-125A8	HXHD125-200A8
Drain pan	EKHBDPCA2	-
Digital I/O PCB	EKRP1HBAA	EKRP1HBAA
Demand PCB - Required to connect room thermostat	EKRP1AHTA	EKRP1AHTA
Remote user interface (remocon) - Same controller as supplied with cascade unit can be mounted parallel or on other location. If 2 controllers are installed, the installer needs to select 1 master & 1 slave	EKRUAHTB	EKRUAHTB
Back-up heater	EKBUHAA6(W1/V3)	-
Wired room thermostat	EKRTWA (23)	EKRTWA (23)
Wireless room thermostat	EKRTR1 (23)	EKRTR1 (23)
Remote sensor for room thermostat	EKRTETS (24)	EKRTETS (23)
Stainless domestic hot water tank - 200l	-	EKHTS200AC (24)
Stainless domestic hot water tank - 260l	-	EKHTS260AC (24)
PP domestic hot water tank - 300l	-	EKHWP300B
PP domestic hot water tank - 500l	-	EKHWP500B
Solar collector	-	EKSV26P (vertical) EKSH26P (horizontal)
Pump station	-	EKSRPS



Indoor Air Quality matters more than ever. Since indoor air quality can up 2 to 5 times worse than outdoor air quality, a correct treatment is important.

Daikin offers the widest range in DX commercial ventilation from decentralised heat recovery systems to large-scale air handling units and air purification solutions in order to provide a healthy solution for your project.

Commercial Ventilation & Air Purification

Why choose Daikin ventilation 570
ERV / HRV - Energy/Heat recovery ventilation units 572
NEW ATB/ATB-S - Modular Top Smart 574
ALB-LBS/RBS - Modular L Smart 576
Electrical heater for Modular L Smart 577
VAM-FC9/J8 578
Electrical heater for VAM 579
EKVDX - DX coil for air processing 580
VKM-GBM 582
NEW Plug&Play Heat Recovery Ventiliation Unit 583
Daikin air handling units with DX connection 584
Advantages 584
Overview of VRV & ERQ condensing units 585
Control possibilities 586
Integration in third party AHU 590
NEW Expansion valves & Control boxes 590
Commercial air purifier 592
Advantages 592
BR00000554/676/749/751 - AAF Astropure 2000 593
Options & accessories 594

Want to know more about ventilation systems and how Indoor Air Quality can be secured by ventilation? Follow our online webinar!

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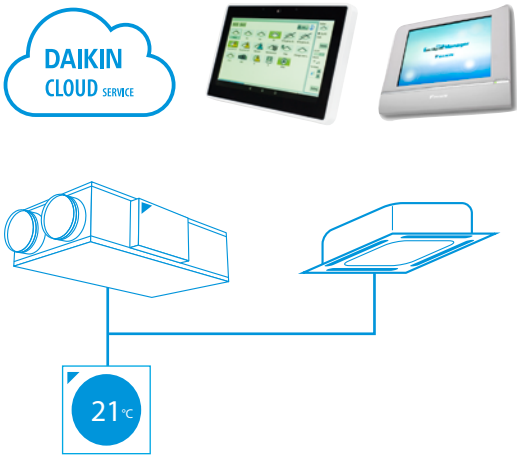
5 reasons why Daikin's ventilation range is unique in the market

1 Market leading controls & connectivity

› Interlock of ventilation and air conditioning system
  - Control ERV/HRV and air conditioning from the same controller
  - Aligns the operation mode between the systems to save energy

› Easy integration in the total solution
  - Online control and monitoring via the Daikin Cloud Service
  - Full portfolio integration in the intelligent Touch Manager, Daikin's cost-effective mini BMS

› User-friendly controller with premium design
  - Intuitive touch button control



Madoka

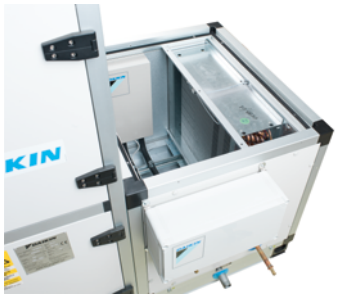


DESIGN AWARD 2018

reddot award 2018
winner

2 Unique installation benefits

› Integrates seamlessly in the Daikin total solution, ensuring a single point of contact
› Total fresh air solution with Daikin supplying the VAM/Modular L Smart, Modular Top (smart) and the electrical heater
› Daikin AHU and condensing unit connect Plug & Play thanks to same pipe diameters, factory mounted controls, expansion valves, etc.





3 High energy efficiency

- Energy recovery of up to 92%, reducing running costs
- Free nighttime cooling using fresh outside air
- Inverter driven centrifugal fans
- ErP compliant

Up to 92% energy recovery

4 Best comfort

- Wide range of units to control fresh air and humidity
- Wide range of optional filters to suit the application available up to ePM_1 80% (F9)
- Special paper heat exchanger recovers heat and moisture from extract air to warm up and humidify fresh air to comfortable levels (VAM, VKM)

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

5 Top reliability

- Most extensive testing before new units leave the factory
- Widest support network and after sales service
- All spare parts available in Europe

ErP COMPLIANT

Did you know?

CO_2 levels and ventilation rates all have significant, independent impacts on cognitive function:

COGNITIVE FUNCTION SCORES …

+ 61% IN GREEN BUILDING CONDITIONS

+ 101% IN ENHANCED GREEN BUILDING CONDITIONS

Widest range of DX integrated ventilation on the market

Daikin offers a variety of solutions from small energy recovery ventilation to large-scale air handling units for the provision of fresh air ventilation to homes, or commercial premises.

Ventilation solutions

Daikin offers state-of-the-art ventilation solutions that can easily be integrated into any project:

› **Unique portfolio** within DX manufacturers
› High-quality solutions complying with the **highest Daikin quality standards**
› **Seamless integration** of all products to provide the best indoor climate
› All Daikin products connected to a single controller for **complete control** of the HVAC system.

Energy Recovery Ventilation

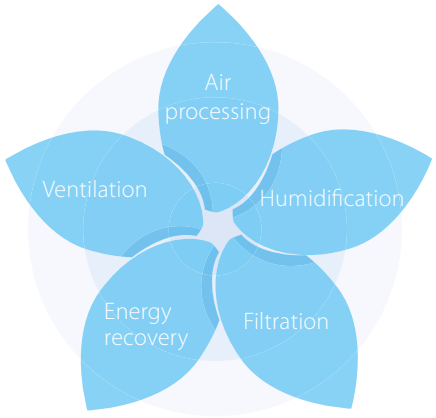
Our energy recovery units **recover sensible energy** (Modular L Pro / Modular L Smart / Modular Top / Modular Smart) or **total (sensible + latent) energy** (VAM/EKVDX/VKM-GBM), substantially reducing the load on the air conditioning system up to 40%.

Ventilation with DX connection - Control over fresh air temperature

Daikin offers a range of inverter condensing units to be used in combination with Daikin AHUs for ultimate control over the fresh air. There are 4 control possibilities when **combining AHU and Daikin outdoor units** hence offering all the required flexibility for any installation. Indoor units can be combined to the same outdoor unit to reduce the installation costs. For **false-ceiling installations** where space is a constraint, the VKM can fit perfectly to deliver fresh air at a comfortable temperature and it has an optional humidification element.

Indoor Environment Quality Components

› **Ventilation:** Ensures the provision of fresh and clean air
› **Energy recovery:** Delivers energy savings by transferring heat and moisture between airflows thus helping to bring supply air to the required indoor conditions for temperature and humidity
› **Air processing:** Delivers the required conditioned air to optimize the energy efficiency of indoor HVAC equipment
› **Humidification:** Ensures the desired moisture level in the conditioned space
› **Filtration:** Ensures clean and healthy air by filtering out pollen, dust, odors and other contaminants that are harmful to our health



150 | 500 | 1,000 | 2,000 | 2,500 | 3,000 | 3,500 | 4,000 | 15,000 | 25,000 | 140,000 [m³/h]

Decentralised systems



NEW

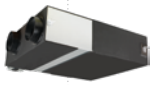
D-AHU MODULAR T (SMART)

- Low power consumption and low Specific Fan Power
- Superior IAQ level: up to three stage filtration on supply side
- Plug&Play control solution, for a quick and easy start-up
- Starting from 550 mm width, for an air flow up to 1,100 m³/h
- DX coil integration for a unique Daikin fresh air package



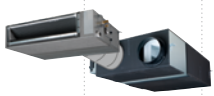
D-AHU MODULAR L (SMART)

- High efficiency counterflow heat exchanger
- Free-cooling operation
- EC centrifugal fan
- Wide range of options
- Smart version connects Plug & Play to Sky Air / VRV systems



VAM-FC9 / VAM-J

- Compact size
- High energy efficient paper recovering sensible and latent heat
- EC fan motors
- Filter clogging alarm based on pressure



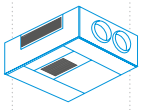
VAM + DX COIL

- DX coil for post-treatment of fresh air
- Split up concept increases application flexibility
- Integrates both in R-32 and R-410A VRV systems



VKM-GBM

- With DX coil for post-treated fresh air
- Increased comfort
- Humidifier option



NEW

PLUG&PLAY UNIT

- Does not require any ductwork
- Ceiling mounted installation
- Quick installation

Centralised systems



D-AHU MODULAR P

- High efficiency aluminium plate heat exchanger
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option



D-AHU MODULAR R

- Rotary heat exchanger (sorption and sensible technology)
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option



D-AHU Professional

- Fully customizable
- Plug & play
- 4 types of control
- With DX or water coil option

Modular T Smart

Top connected Air Handling Unit



ATB-S

Highlights

- Duct connections are located at the top, reducing the unit's footprint
- Low power consumption and low SFP (Specific Fan Power) for a very efficient unit operation
- Superior IAQ level: up to three stage filtration on supply side (more than the 90% of PM1 is removed from outdoor air)
- Plug&Play control solution, for a quick and easy start-up
- Very compact unit, starting from 550 mm width, for an air flow up to 1,100 m^3/h
- DX coil integration for a unique Daikin fresh air package available for connection to VRV or ERQ

IAQ matters

An excellent IAQ improves people's performance and well-being, and decreases risk factors for various diseases. Modular T satisfies the ventilation and filtration needs of the indoor environment, guaranteeing an outstanding level of IAQ.

The future of ventilation

The Modular T, with its unique features, represents the latest product developed by Daikin for fresh air treatment and not only. Thanks to its optimized design, it can be easily transported and installed into new projects or existing buildings.

More details and final information can be found by scanning or clicking the QR codes.

ATB

Technical details

MODULAR T Pro & Smart	Size (1)	03	04	05	06	07
Airflow	m^3/h	800	1,650	2,300	2,700	3,900
HE Thermal efficiency (2)	%	89.3	88.3	85.1	85.5	90.8
External static pressure	Pa			100		
Current	A	1.70	3.39	4.61	5.17	7.87
Power input	kW	0.39	0.78	1.06	1.19	1.81
SFPv (2)	$kW/m^3/s$	1.47	1.5	1.49	1.41	1.5
Electrical supply	Phase (ph)			1		
	Frequency (Hz)			50/60		
	Voltage (V)			220/240 Vac		
Main unit Dimensions	Width (mm)	550		790		890
	Height (3) (mm)	1,600		1,900	1,850	2,050
	Length (mm)	1,580	1,650	2,170 (4)	2,620 (5)	2,950 (5)
Circular duct flange	Diameter (mm)	255	315	355	400	500
Unit sound power level	dBA	57	52	55		58
Unit sound pressure level (6)	dBA	50	45	48		51
Weight unit	Kg	200	250	400	500	620

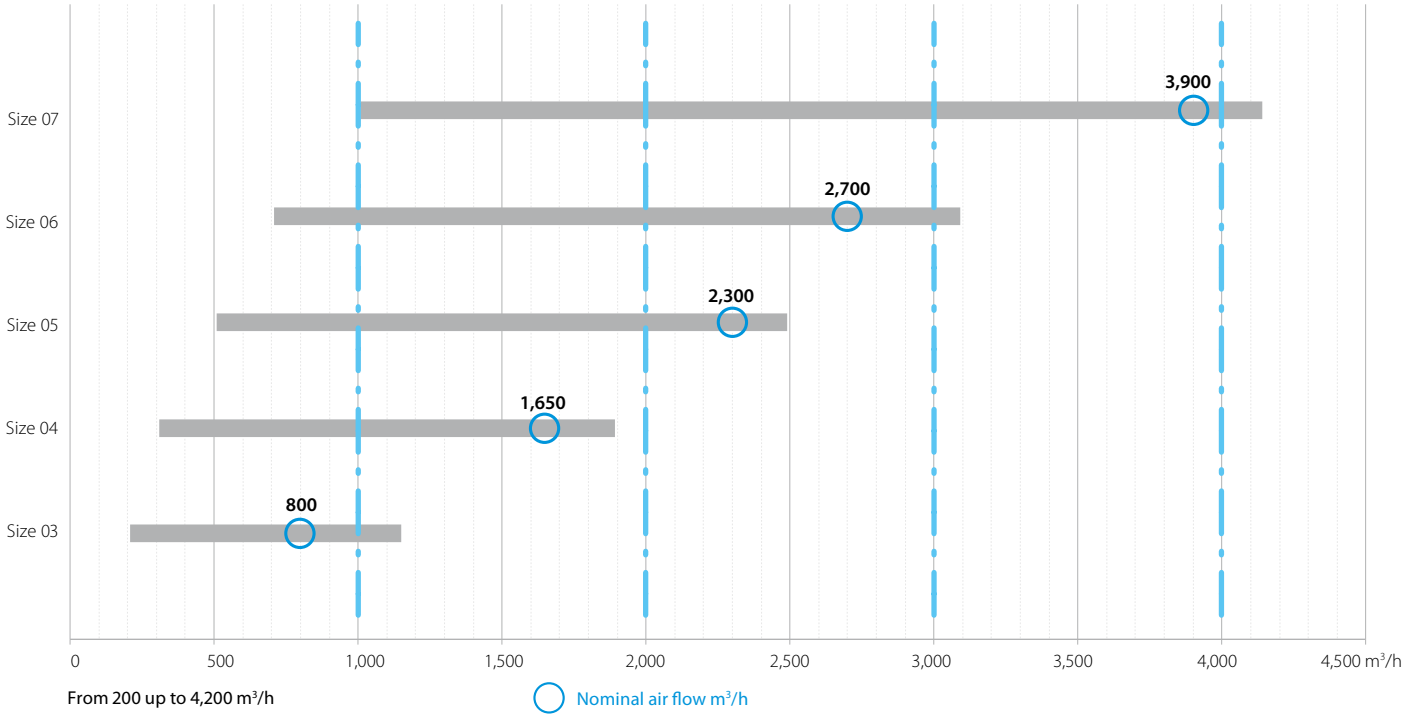
(1) All size available in Smart or Pro version and right or left handing | (2) Outdoor condition: -5°C, 90% Indoor condition: 25°C, 50% | (3) Including feet and duct connections | (4) Size 05 is provided in two sections | (5) Size 06 and 07 are provided in three sections | (6) Simple source reference value at 1 meter, directivity factor Q=4 (quarter sphere) and non-reverberant field. Allowances on declared values: +/- 3dB

Air flow range

Modular T is available in 5 sizes covering a wide range of applications such as hotels, offices, schools, gyms and light commercial buildings.

Sectioning

To ensure an easy and quick installation Modular T size 05 will be provided in two sections, while size 06 and 07 in three sections to pass smoothly through standard doors[1].



1. Please refer to technical data table at page 6 for more details



Modular L Smart

Premium efficiency heat recovery unit

Highlights

- Connects Plug&Play into the Sky Air and VRV control network
- Easy installation and commissioning
- Internal pre-filter stage (up to ePM_1 50% (F7) + ePM_1 80% (F9)) making the unit reach highest indoor air quality requirements.
- Wide air flow coverage from 150m³/h to 3,400m³/h
- Exceeding ErP 2018 requirements
- Best choice when compactness is needed (only 280 mm height up to 550 m³/h)
- 50 mm double skin panel (120 kg/m³) for a maximum sound and thermal insulation

EC centrifugal fan

- Maximum ESP available 600 Pa (depending on model sizes and airflow)
- Inverter driven with IE4 premium efficiency motor
- High-efficient blade profiling
- Reduced energy consumption
- Optimized SFP (Specific Fan Power) for an efficient unit operation

Heat exchanger

- Premium quality counter flow plate heat exchanger
- Up to 91% of the thermal energy recovered
- High grade aluminum allowing optimum corrosion protection



Right drain connection (ALB-RBS)



Left drain connection (ALB-LBS)

For integration with Applied systems, please refer to the Modular L, in the AHU chapter

More details and final information can be found by scanning or clicking the QR codes.

ALB-LBS

ALB-RBS

Technical details

D-AHU Modular L Smart			ALB02*BS	ALB03*BS	ALB04*BS	ALB05*BS	ALB06*BS	ALB07*BS
Airflow		m³/h	300	600	1,200	1,600	2,300	3,000
Heat exchanger thermal efficiency (1)		%	86		87			86
External static pressure	Nom.	Pa	100					
Current	Nom.	A	0.61	1.35	2.26	2.83	4.39	6.22
Power input	Nom.	kW	0.14	0.31	0.52	0.65	1.01	1.43
SFPv (2)		kW/m³/s	1.25	1.52	1.3	1.35	1.35	1.51
Electrical supply	Phase	ph	1					
	Frequency	Hz	50/60					
	Voltage	V	220/240 Vac					
Main unit dimensions	Width	mm	920	1,100	1,600		2,000	
	Height	mm	280	350	415		500	
	Length	mm	1,660	1,800	2,000			
Rectangular duct flange	Width	mm	250	400	500		700	
	Height	mm	150	200	300		400	
Weight unit		kg	125	180	270	280	355	360

(1) Winter design condition: Outdoor: -5°C, 90% Indoor: 22°C, 50% | (2) SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

Electrical heater for Modular L Smart

- Total solution for fresh air with Daikin supply of both Modular L Smart and electrical heaters
- Increase comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Heater only consumes what is required to pre-heat to the desired minimum fresh air temperature; thus saving energy



More details and final information can be found by scanning or clicking the QR codes.

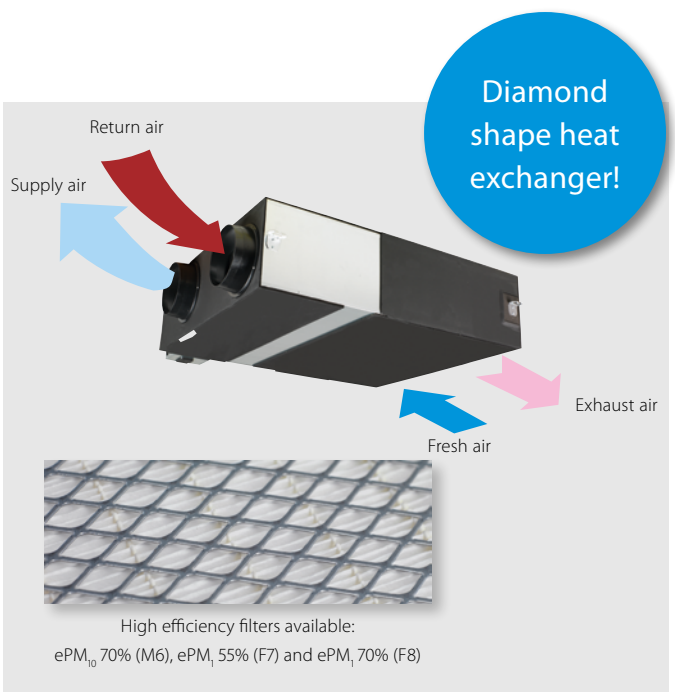
ALD-HEFB

Electrical heater for Modular L Smart (ALD)	02HEFB	03HEFB	05HEFB	07HEFB
Capacity kW	1.5	3	7.5	15
Connectable Modular L Smart size	02	03	04, 05	06, 07
Supply voltage	230V,1ph		400V,3ph	
Output current (maximum) (A)	6.6	13.1	10.9	21.7
Temperature sensor	15k ohms at -20 °C 10k ohms at +10 °C	16k ohms at -20 °C 10k ohms at +10 °C	17k ohms at -20 °C 10k ohms at +10 °C	18k ohms at -20 °C 10k ohms at +10 °C
Temperature control range	- 20 °C to 10 °C			
Control fuse	Mini Circuit Breaker 6 A			
LED indicators	Yellow = Airflow fault Red = Heat ON			
Mounting holes	Depends on duct size			
Maximum ambient adjacent to terminal box	30°C (during operation)			
Auto high temperature cutout	75°C Pre-set			
Manual reset high temperature cutout	120°C Pre-set			
Width (mm)	470	620	720	920
Depth (mm)	370	370	370	370
Height (mm)	193	243	343	443

Energy recovery ventilation

Ventilation with heat recovery as standard

- Thinnest High Efficiency Enthalpy Heat Exchanger in the market (J-series)
- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor (J-series)
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume (J - series)
- Can be used as stand alone or integrated in the Sky Air or VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- No drain piping needed
- Can operate in over- and under pressure
- Total solution for fresh air with Daikin supply of both VAM / VKM and electrical heaters
- VAM-J8 series are connectable to EKVDX DX coil for air processing
- Possibility of CO_2 concentration when combining VAM-J8 with optional BRYMA CO_2 sensor and Madoka remote controller (with or without EKVDX)



ErP COMPLIANT

More details and final information can be found by scanning or clicking the QR codes.

VAM-FC9 VAM-J8

Ventilation				VAM/VAM	150FC9	250FC9	350J8	500J8	650J8	800J8	1000J8	1500J8	2000J8
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.097/0.070/0.039	0.164/0.113/0.054	0.247/0.173/0.081	0.303/0.212/0.103	0.416/0.307/0.137	0.548/0.384/0.191	0.833/0.614/0.273
	Bypass mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.085/0.061/0.031	0.148/0.100/0.045	0.195/0.131/0.059	0.289/0.194/0.086	0.417/0.300/0.119	0.525/0.350/0.156	0.835/0.600/0.239
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	77.0(1)/72.0(2)/78.3(1)/72.3(2)/82.8(1)/73.2(2)	74.9(1)/69.5(2)/76.0(1)/70.0(2)/80.1(1)/72.0(2)	85.1/86.7/90.1	80.0/82.5/87.6	84.3/86.4/90.5	82.5/84.2/87.7	79.6/81.8/86.1	83.2/84.8/88.1	79.6/81.8/86.1
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	60.3(1)/61.9(1)/67.3(1)	60.3(1)/61.2(1)/64.5(1)	65.2/67.9/74.6	59.2/61.8/69.5	59.2/63.8/73.1	67.7/70.7/76.8	62.6/66.4/74.0	68.9/71.8/77.5	62.6/66.4/74.0
	Heating	Ultra high/High/Low		%	66.6(1)/67.9(1)/72.4(1)	66.6(1)/67.4(1)/70.7(1)	75.5/77.6/82.0	69.0/72.2/78.7	73.1/76.3/82.7	72.8/75.3/80.2	68.6/71.7/77.9	73.8/76.1/80.8	68.6/71.7/77.9
Operation mode					Heat exchange mode, bypass mode, fresh-up mode								
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange								
Heat exchange element					Specially processed non-flammable paper								
Dimensions	Unit	HeightxWidthxDepth		mm	285x776x525		301x1,113x886		368x1,354x920	368x1,354x1,172		731x1,354x1,172	
Weight	Unit			kg	24.0		46.5		61.5	79.0		157	
Casing	Material				Galvanised steel plate								
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low	m^3/h	150 /140 /105	250 /230 /155	350 (1)/300 (1)/200 (1)	500 (1)/425 (1)/275 (1)	650 (1)/550 (1)/350 (1)	800 (1)/680 (1)/440 (1)	1,000 (1)/850 (1)/550 (1)	1,500 (1)/1,275 (1)/825 (1)	2,000 (1)/1,700 (1)/1,100 (1)
		Bypass mode	Ultra high/High/Low	m^3/h	150 /140 /105	250 /230 /155	350 (1)/300 (1)/200 (1)	500 (1)/425 (1)/275 (1)	650 (1)/550 (1)/350 (1)	800 (1)/680 (1)/440 (1)	1,000 (1)/850 (1)/550 (1)	1,500 (1)/1,275 (1)/825 (1)	2,000 (1)/1,700 (1)/1,100 (1)
	External static pressure - 50Hz	Ultra high/High/Low		Pa	90 /87/40	70 /63/25	90 (1)/70.0 /50.0 (1)						
Air filter	Type				Multidirectional fibrous fleeces		Multidirectional fibrous fleeces (G3)						
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	27.0/26.0/20.5	28.0/26.0/21.0	34.5 (1)/32.0 (1)/29.0 (1)	37.5 (1)/35.0 (1)/30.5 (1)	39.0 (1)/36.0 (1)/31.0 (1)	39.0 (1)/36.0 (1)/30.5 (1)	42.0 (1)/38.5 (1)/32.5 (1)	42.0 (1)/39.0 (1)/33.5 (1)	45.0 (1)/41.5 (1)/36.0 (1)
	Bypass mode	Ultra high/High/Low		dBA	27.0/26.5/20.5	28.0/27.0/21.0	34.5 (1)/32.0 (1)/28.0 (1)	38.0 (1)/35.0 (1)/29.5 (1)	38.0 (1)/34.5 (1)/30.5 (1)	40.0 (1)/36.5 (1)/30.5 (1)	42.5 (1)/40.0 (1)/32.5 (1)	42.0 (1)/39.0 (1)/32.5 (1)	45.0 (1)/41.0 (1)/35.0 (1)
Operation range	Around unit			°CDB	-		0°C~40°CDB, 80% RH or less						
Connection duct diameter				mm	100	150	200		250			2x250	
Power supply	Phase/Frequency/Voltage			Hz/V	1~; 50/60; 220-240/220								
Current	Maximum fuse amps (MFA)			A	15.0		16.0						
Specific energy consumption (SEC)	Cold climate			kWh/(m^2.a)	-56.0 (5)	-60.5 (5)	-						
	Average climate			kWh/(m^2.a)	-22.1 (5)	-27.0 (5)	-						
	Warm climate			kWh/(m^2.a)	-0.100 (5)	-5.30 (5)	-						
SEC class					D / See note 5	B / See note 5	-						
Maximum flow rate at 100 Pa ESP	Flow rate			m^3/h	130	207	-						
	Electric power input			W	129	160	-						
Sound power level (Lwa)				dB	40	43	51	54	58		61	62	65
Annual electricity consumption				kWh/a	18.9 (5)	13.6 (5)	-						
Annual heating saved	Cold climate			kWh/a	41.0 (5)	40.6 (5)	-						
	Average climate			kWh/a	80.2 (5)	79.4 (5)	-						
	Warm climate			kWh/a	18.5 (5)	18.4 (5)	-						

(1)Measured according to JIS B 8628 | (2)Measured at reference flow rate according to EN13141-7 | (5) At reference flow rate in accordance with commission regulation (EU) No 1254/2014

Electrical heater for VAM

- Total solution for fresh air with Daikin supply of both VAM and electrical heaters
- Increased comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Flexible setting with adjustable setpoint
- Increased safety with 2 cut-outs: manual & automatic



More details and final information can be found by scanning or clicking the QR codes.

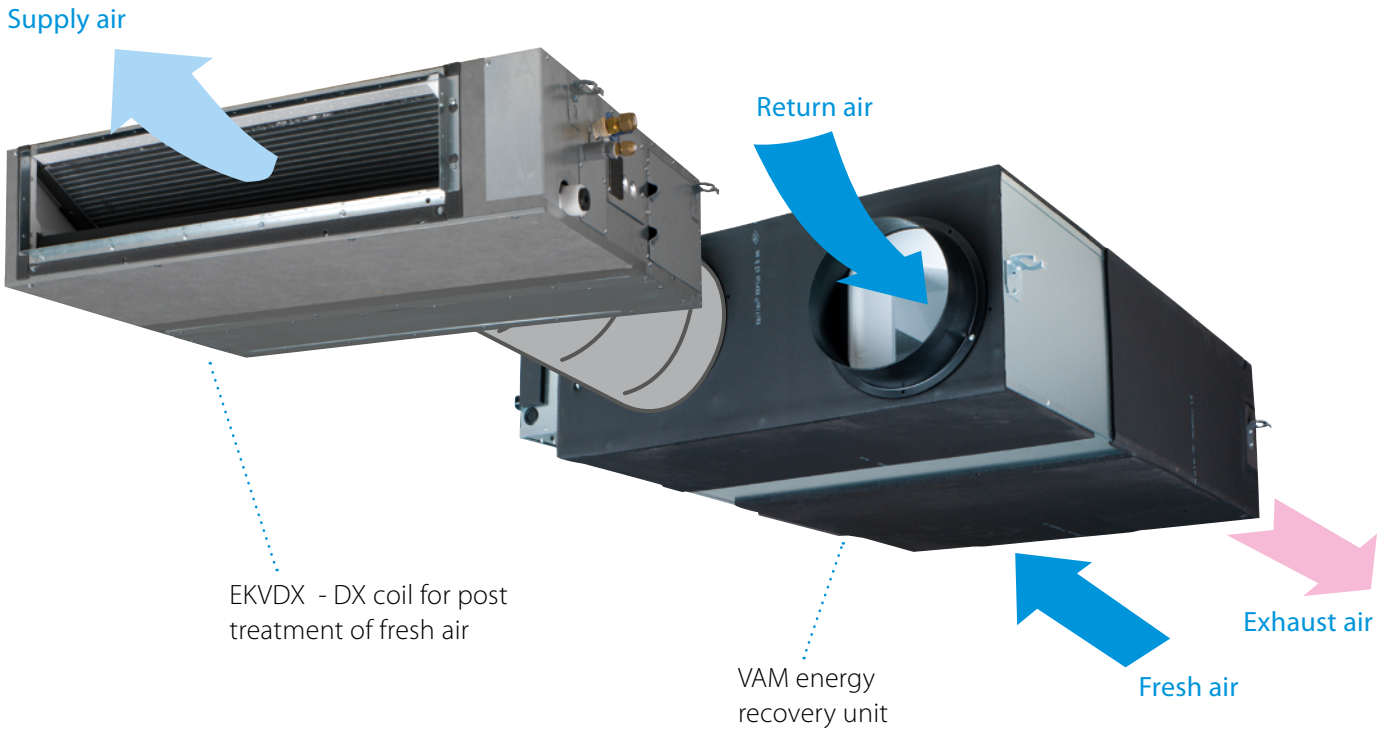
GSIEKA

		GSIEKA	10009	15018	20024	25030	35530[1]
Capacity	kW		0.9	1.8	2.4	3.0	3.0
Duct diameter	mm		100	150	200	250	355
Connectable VAM			VAM150FC9	VAM250FC9	VAM350,500J8	VAM650J8, VAM800J8, VAM1000J8	VAM1500J8, VAM2000J8

			GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA25030	GSIEKA35530
Dimensions	Height	mm	171	221	271	321	426
	Depth	mm	100	150	200	250	355
	Width	mm	370	370	370	370	373
Minimum air velocity / airflow		m/s	1.5				
		m^3/h	45	100	170	265	535
Power supply			1~230 VAC/50Hz				
Nominal current		A	4.1	8.2	10.9	13.1	13.1
Heating power		kW	0.9	1.8	2.4	3.0	3.0
Connection duct diameter		mm	100	150	200	250	355
Operation range	Min.	°C	-40°C				
	Max.	°C	40°C				
	Rel. Humidity	%	90%				
Temperature sensor			10 kΩ at +25°C / TJ-K10K				
Temperature sensor range			- 30°C to 105°C				
Temperature set point range			- 10°C to 50°C				
LED indicators	LED 1	flashing every 5 seconds	heater is starting up				
		flashing every second	air flow detected, heating allowed				
		OFF	no power supply or no flow				
		ON	problem with duct temperature sensor, set point potentiometer or PTC airflow sensor				
	LED 2	OFF	heater is not operation				
		ON	heater is operating				
Ambient temperature adjacent to controller			0°C to +50°C				
Auto high temperature cut-out			50°C				
Manual reset high temperature cut-out			100°C				

EKVDX-A

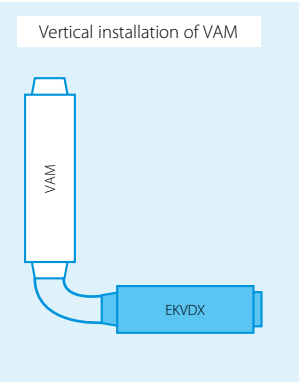
DX coil for post treatment of fresh air

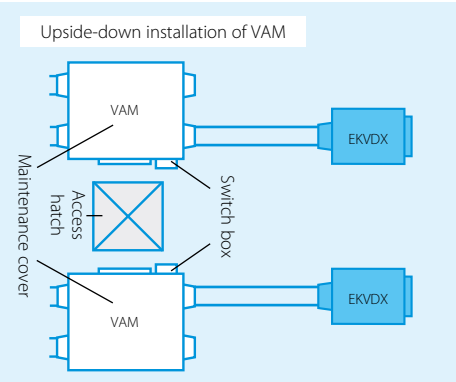


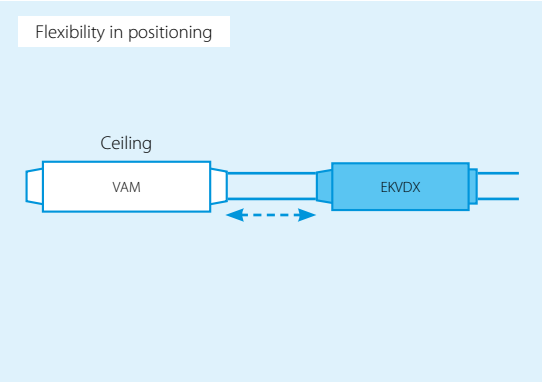
› Creates a high quality indoor environment by pre conditioning of incoming fresh air

› Maximum installation flexibility thanks to separate DX coil

• Different installation possibilities to suit the application







› Fresh air flows from 500 up to 2,000 m^3/h

› High ESP up to 150 Pa

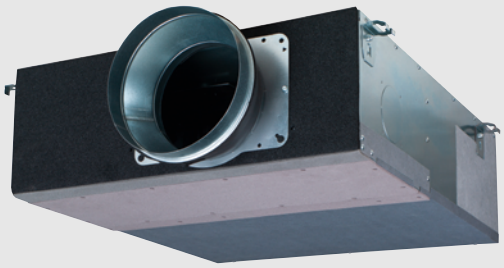
› Can be integrated in both R-32/R-410A VRV systems

› Replaces VKM-GB range, delivering increased capacity range and reduced sound levels

DX coil for air processing

Post heating or cooling of fresh air to lower the load on the air conditioning system

- Creates a high quality indoor environment by pre conditioning of incoming fresh air
- Maximum installation flexibility thanks to separate DX coil
- Wide range of units covering fresh air flows of 500 up to 2,000 m^3/h
- High ESP up to 150 Pa
- Can be integrated in both R-32/R-410A VRV systems



EKVDX50A

More details and final information can be found by scanning or clicking the QR codes.

EKVDX-A

					EKVDX32A	EKVDX50A	EKVDX80A	EKVDX100A
Power input - 50Hz	Cooling	Nom.		kW	0.035	0.035	0.035	0.035
	Heating	Nom.		kW	0.035	0.035	0.035	0.035
Casing	Material				Galvanised steel plate			
Insulation material					Opcell and anti-sweat material			
Dimensions	Unit	Height		mm	250			
		Width		mm	550	700	1,000	1,400
		Depth		mm	809			
Weight	Unit			kg	19	23.4	30.1	37.7
Operation range	Around unit			°CDB	10°C~40°CDB, 80% RH or less			
	On coil temperature	Cooling	Max.	°CDB	35			
		Heating	Min.	°CDB	11			
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	12.7			
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm			
Refrigerant	Type				R410A/R32			
	GWP				2,087.5/675			
Heat exchange system					Direct expansion			
Power supply	Phase				single phase			
	Frequency			Hz	50/60			
	Voltage			V	220-240/220			

					EKVDX32A + VAM500J8	EKVDX50A + VAM650J8	EKVDX50A + VAM800J8	EKVDX80A + VAM1000J8	EKVDX100A + VAM1500J8	EKVDX100A + VAM2000J8
Cooling capacity	Total (VAM+DX coil)		At ultra high fan speed	kW	5.1	7.1	8.6	9.3	15.4	18.4
	DX coil		At ultra high fan speed	kW	3.4	4.8	5.5	5.7	9.5	11.2
			At high fan speed	kW	2.7	4.1	4.4	4.5	8.8	9.2
Heating capacity	Total (VAM+DX coil)		At ultra high fan speed	kW	6.7	8.5	11	11.9	18.7	22.9
	DX coil		At ultra high fan speed	kW	4.2	5.1	6.9	7	10.8	13
			At high fan speed	kW	3.6	4.6	5.8	6.3	9.6	11.7
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high	m^3/h	500	650	800	1,000	1,500	2,000
			High	m^3/h	425	550	680	850	1,275	1,700
		Bypass mode	Ultra high	m^3/h	500	650	800	1,000	1,500	2,000
			High	m^3/h	425	550	680	850	1,275	1,700
	External static pressure - 50Hz	Maximum		Pa	81.9	73.0	133.7	106.0	153.6	92.1
		Ultra high		Pa	51.9	43.0	23.7	26.0	43.6	12.1
		High		Pa	39.0	33.9	19.4	21.4	35.1	11.9
Sound pressure level - 50Hz	Cooling		Ultra high	dBA	32	34	35.5	40.5	38.5	43.5
			High	dBA	30.5	32	34	38	37	40
	Heating		Ultra high	dBA	32.5	34.5	36	40.5	39	44
			High	dBA	31.5	32	34	38.5	37	40.5
Current	Maximum fuse amps (MFA)			A	6	6	6	6	16	16

The heat reclaim ventilation unit and the EKVDX indoor unit MUST share the same electrical safety devices and power supply

Energy recovery ventilation, humidification and air processing

Post heating or cooling of fresh air for lower load on the air conditioning system

- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Creates a high quality indoor environment by pre conditioning of incoming fresh air
- Humidification of the fresh air results in comfortable indoor humidity level, even during heating
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Low energy consumption thanks to DC fan motor
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- Specially developed heat exchange element with High Efficiency Paper (HEP)
- Can operate in over- and under pressure



VKM80-100GBM

More details and final information can be found by scanning or clicking the QR codes.

VKM-GBM

Ventilation				VKM-GBM	50GBM	80GBM	100GBM
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/ High/Low	kW	0.270/0.230/0.170	0.330/0.280/0.192	0.410/0.365/0.230
	Bypass mode	Nom.	Ultra high/ High/Low	kW	0.270/0.230/0.170	0.330/0.280/0.192	0.410/0.365/0.230
Fresh air conditioning load	Cooling			kW	4.71 / 1.91 / 3.5	7.46 / 2.96 / 5.6	9.12 / 3.52 / 7.0
	Heating			kW	5.58 / 2.38 / 3.5	8.79 / 3.79 / 5.6	10.69 / 4.39 / 7.0
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	76/76/77.5	78/78/79	74/74/76.5
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	64/64/67	66/66/68	62/62/66
	Heating	Ultra high/High/Low		%	67/67/69	71/71/73	65/65/69
Operation mode					Heat exchange mode / Bypass mode / Fresh-up mode		
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange		
Heat exchange element					Specially processed non-flammable paper		
Humidifier	System				Natural evaporating type		
Dimensions	Unit	HeightxWidthxDepth		mm	387x1,764x832	387x1,764x1,214	
Weight	Unit			kg	100	119	123
Casing	Material				Galvanised steel plate		
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low		m^3/h	500/500/440	750/750/640	950/950/820
	Bypass mode	Ultra high/High/Low		m^3/h	500/500/440	750/750/640	950/950/820
Fan-External static pressure - 50Hz	Ultra high/High/Low			Pa	200/150/120	205/155/105	110/70/60
Air filter	Type				Multidirectional fibrous fleeces		
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	38/36/34	40/37.5/35.5	40/38/35.5
	Bypass mode	Ultra high/High/Low		dBA	39/36/34.5	41/38/36	41/39/35.5
Operation range	Around unit			°CDB	0°C~40°CDB, 80% RH or less		
	Supply air			°CDB	-15°C~40°CDB, 80% RH or less		
	Return air			°CDB	0°C~40°CDB, 80% RH or less		
	On coil temperature	Cooling/Max./Heating/Min.		°CDB	-15/43		
Refrigerant	Control				Electronic expansion valve		
	Type				R-410A		
	GWP				2,087.5		
Connection duct diameter				mm	200	250	
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	12.7		
	Water supply			mm	6.4		
	Drain				PT3/4 external thread		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current	Maximum fuse amps (MFA)			A	15		

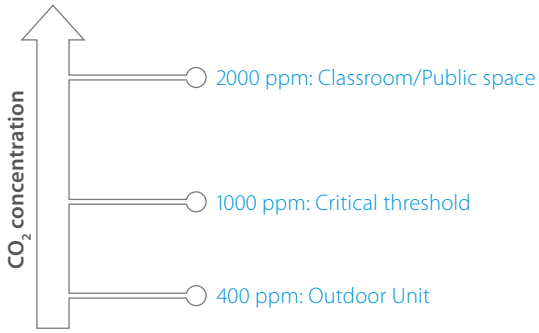


Plug & Play
Heat Recovery Ventilation Unit

Available from
Summer 2023

For Schools and light commercial applications with an immediate need for fresh air

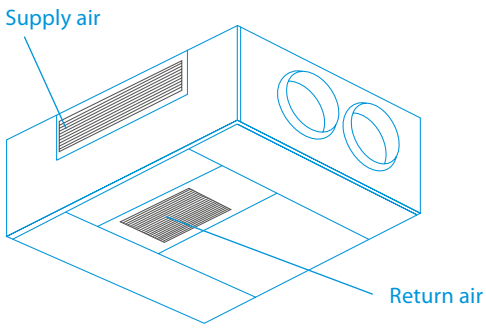
In a public space without ventilation the CO_2 concentrations will quickly rise above 2,000ppm, while a safe and comfortable treshhold is around 1,000ppm. Staying regularly in a space above this treshold leads to fatigue and lower concentration, and can result in long-term health consequences ranging from mild allergies to serious respiratory illnesses.



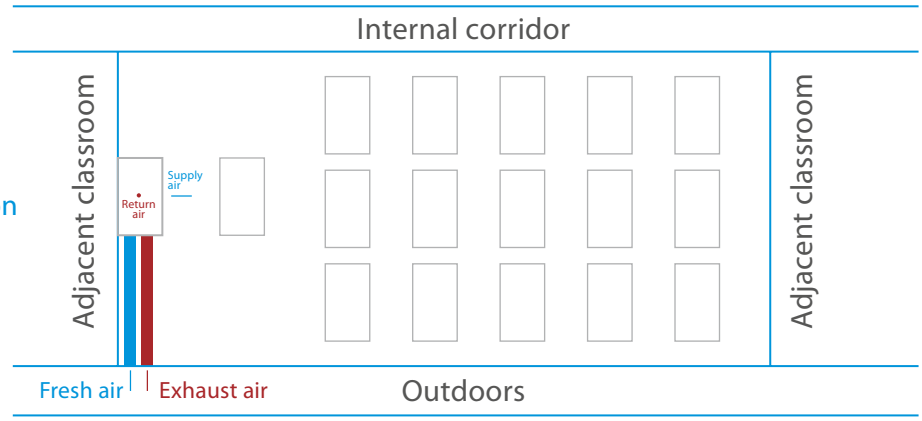
The Plug & Play Heat Recovery Ventliation Unit solves your fresh air needs without the need for renovation

- Quick installation gives your building fast access to fresh air
- Unit does not require any ductwork for supply or return air keeping interior works to a minimum
- Premium quality counter flow plate heat exchanger recovering indoor thermal energy
- Ceiling mounted installation
  - Does not require space on the floor
  - Unit is out of reach of persons or children
- Air flow range up to 930m³/h covering the typical need of a class room
- Double skin insulated panel for a maximum sound insulation
- Left and right version for maximum flexibility
- Free cooling allows to cool down the room at night
- Optional CO_2 sensor and electrical heater

Left connection unit



Typical layout with right connection



Daikin's
air handling units solutions

You will find your match

Why choose Daikin air handling units with a DX connection?



Simplifying business

The unique total solution approach by Daikin helps businesses to propose better cross-pillar solutions, to increase their success ratio by providing unmatchable product combinations to the end-user and to simplify the life of installers by supplying high-quality products coming from the same manufacturer. Contrary to other manufacturers, Daikin does not use OEM products in its AHU with DX offer. Many competitors are either offering OEM DX outdoor units or OEM AHU which create additional problems when warranties or faults arise. **Having a single interface for your business makes Daikin the right choice.**

One-stop shop

Daikin is the only global manufacturer in the market **capable of offering a true Plug & Play solution** where Daikin AHUs manufactured by Daikin Applied Europe and certified by Eurovent, offer off-the-shelf compatibility with Daikin's unique VRV outdoor unit range for the best performance in the market. This unique integration of cross-pillar products under the same umbrella, gives the customer both peace-of-mind and added value when promoting a total solution approach.

Complete range of possibilities

Thanks to the **most complete offer in the market**, Daikin has the solution for all types of commercial applications requiring fresh air. Daikin provides ventilation solutions based on AHU from 2,500 m^3/h up to 140,000 m^3/h either with natural heat recovery or more advanced ventilation solutions where a VRV outdoor unit can be connected to the Daikin AHU for ultimate climate control. The harmonized control, between the VRV outdoor unit and the AHU, offer outstanding reliable operation of the system when connected to an iTM.

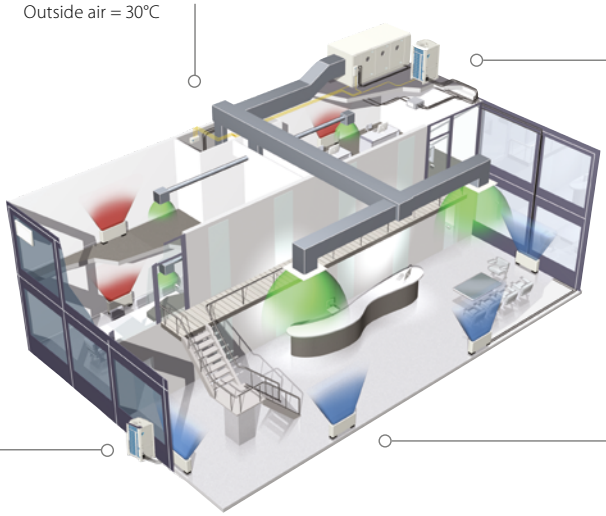
Advantages

- Unique manufacturer offering a complete range
- Plug & Play solution
- Direct iTM compatibility

Why use VRV and ERQ condensing units for connection to air handling units?

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a high efficiency heat pump system lower the carbon footprint of the building.



Fast response to changing loads resulting in high comfort levels

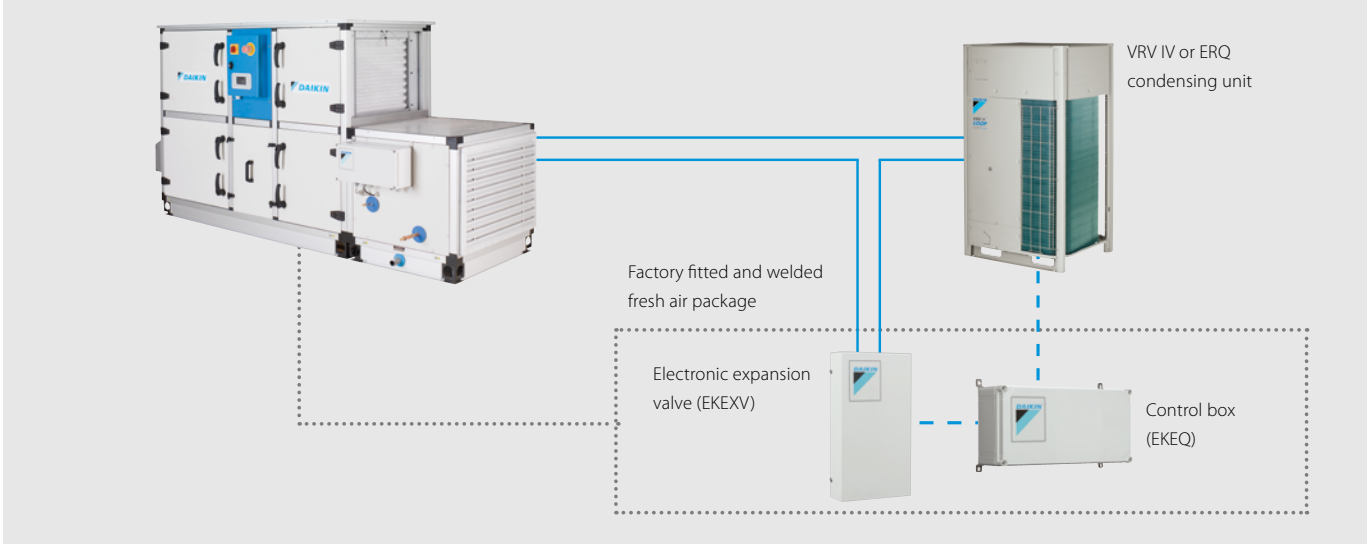
Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resultant high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.

Easy Design and Installation

The system is easy to design and install since no additional water systems such as boilers, tanks and gas connections etc. are required. This also reduces both the total system investment and running cost.

Daikin Fresh air package

› Plug & Play connection between VRV/ERQ and the entire D-AHU modular range.
› Factory fitted and welded DX coil control and expansion valve kits.

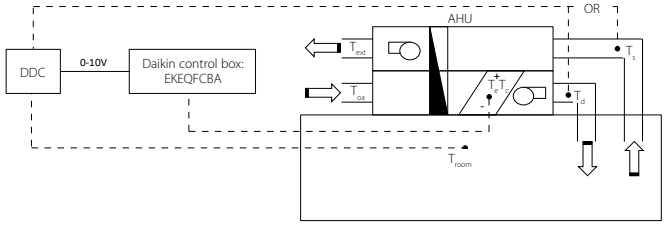


In order to maximise installation flexibility, 4 types of control systems are offered

W control: Off the shelf control of air temperature (discharge temperature, suction temperature, room temperature) via any DDC controller, easy to setup
X control: Precise control of air temperature (discharge temperature, suction temperature, room temperature) requiring a preprogrammed DDC controller (for special applications)
Z control: Control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
Y control: Control of refrigerant (Te/Tc) temperature via Daikin control (no DDC controller needed)

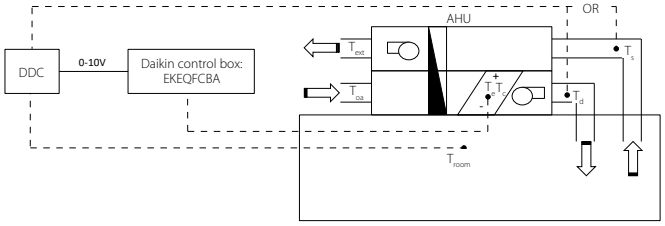
1. W control (T_d/T_s/T_{room} control):

Air temperature control via DDC controller
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a proportional 0-10V signal which is transferred to the Daikin control box (EKEQFCBA). This voltage modulates the capacity requirements of the outdoor unit.



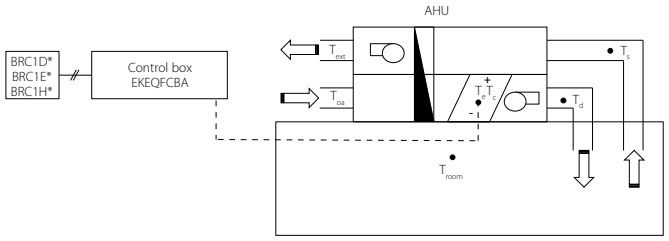
2. X control (T_d/T_s/T_{room} control):

Precise air temperature control via DDC controller
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V) which is transferred to the Daikin control box (EKEQFCBA). This reference voltage will be used as the main input value for the compressor frequency control.



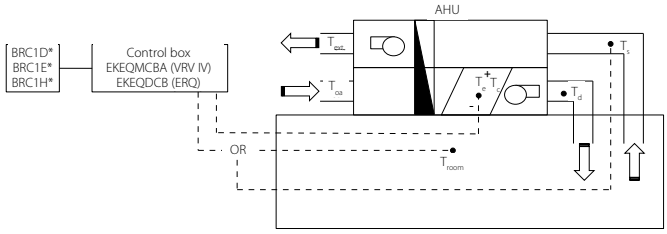
3. Y control (T_e/T_c control):

By fixed evaporating /condensing temperature
A fixed target evaporating or condensing temperature can be set by the customer. In this case, room temperature is only indirectly controlled. A Daikin wired remote control (BRC1* - optional) have to be connected for initial set-up but not required for operation.



4. Z control T_d / T_{room} control):

Control your AHU just like a VRV indoor unit (100% recirculation air application)
Allows the possibility to control the AHU just like a VRV indoor unit. Meaning temperature control will be focused on return air temperature from the room into the AHU. Requires BRC1* for operation. The only control that allows the combination of other indoor units to the AHU at the same time.



T_d = Discharge (supply) air temperature
T_{ext} = Extraction air temperature
T_s = Suction (return) air temperature
T_e = Evaporating temperature
T_{oa} = Outdoor air temperature
T_c = Condensing temperature
T_{room} = Room air temperature

	Option kit	Features
Possibility W	EKEQFCBA	Off-the-shelf DDC controller that requires no pre-configuration
Possibility X		Pre-configured DDC controller required
Possibility Y		Using fixed evaporating temperature, no set point can be set using remote control
Possibility Z	EKEQDCB EKFQMCBA*	Using Daikin infrared remote control BRC1* Temperature control using air suction temperature or room temperature (via remote sensor)

* EKEQMCB (for 'multi' application)



VRV IV+ in mix application with VRV indoor units and Modular R AHU

VRV - for larger capacities (from 8 to 54HP)

An advanced solution for both pair and multi application

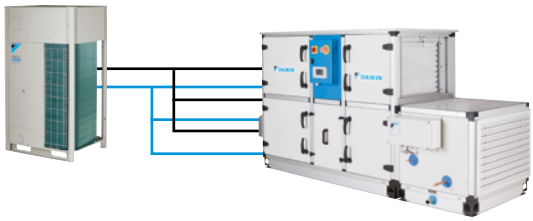
› Inverter controlled units
› Heat pump
› Heat recovery only for mix application with indoor units without hydrobox. For 100% recirculation AHUs only used as a VRV indoor unit.
› R-410A
› Control of room temperature via Daikin control
› Large range of expansion valve kits available
› BRC1H* is used to set the set point temperature (connected to the EKEQMCBA).
› Connectable to all VRV heat recovery and heat pump systems (VRV H/R and VRV-i only connectable with Z control)

Pair application

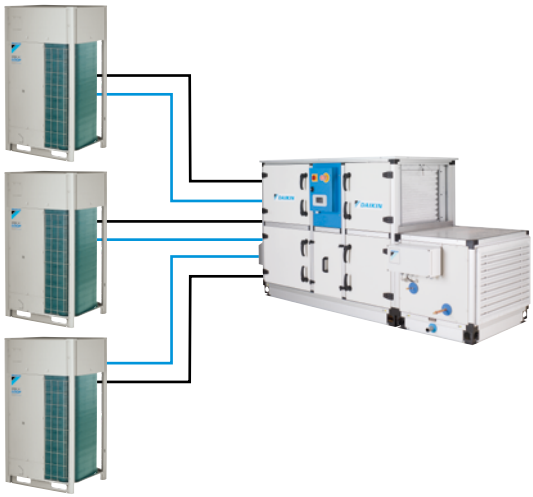
One ERQ or VRV IV **heat pump** (system) connected to **one AHU** through **one** refrigerant **circuit**
› with W, X, Y and Z control
› not allowed for VRV H/R



One VRV IV **heat pump** (system) connected to the **interlaced coil** of one AHU through **several** refrigerant **circuits**
› with W, X and Y control
› not allowed for VRV H/R and VRV-i

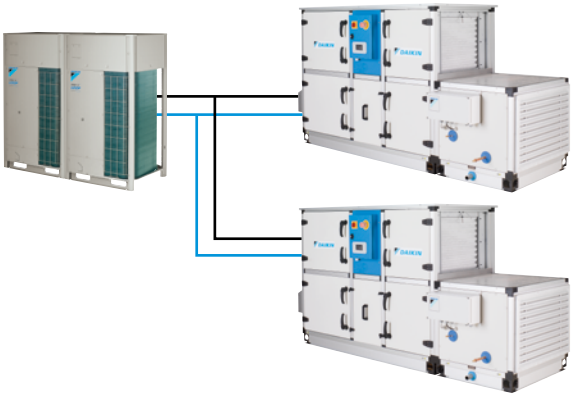


Several ERQ or VRV IV **heat pumps** connected to the **interlaced coil** of one AHU through **several** refrigerant **circuits**
› with W, X and Y control
› not allowed for VRV H/R and VRV-i



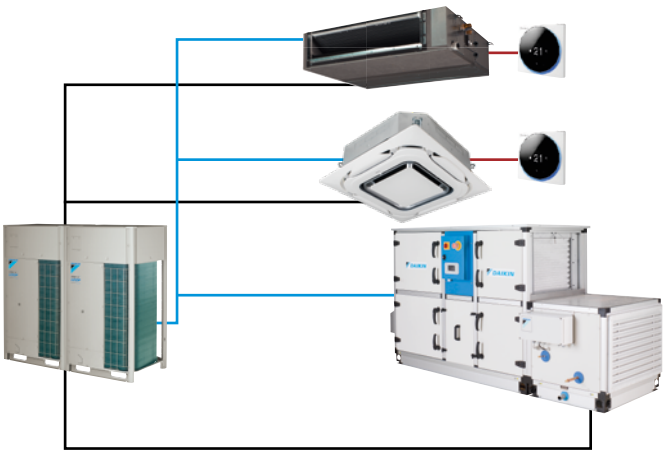
Multi application

One VRV IV **heat pump** connected to **several AHUs**
› with Z control
› not allowed for VRV H/R
› no interlaced coil possible



Mix application

VRV indoor units and AHU(s) mixed in the same VRV IV heat pump or heat recovery system
› with Z control
› no interlaced coil possible
› hydrobox not possible



Refrigerant piping
F1-F2
P1-P2

For more information on the limitations applying on all the above application types, please refer to the relevant databooks of EKEXV and EKEQ with guidelines and other information on the selection process.

ERQ - for smaller capacities (from 100 to 250 class)

A basic fresh air solution for pair application

› Inverter controlled units
› Heat pump
› R-410A
› Wide range of expansion valve kits available
› Perfect for the Daikin Modular air handling unit

The "Daikin Fresh Air Package" provides a complete Plug & Play Solution including AHU, ERQ or VRV Condensing Unit and all unit control (EKEQ, EKEX, DDC controller) factory mounted and configured. The easiest solution with only one point of contact.



ERQ-AW1

More details and final information can be found by scanning or clicking the QR codes.

ERQ-AV1

ERQ-AW1

Ventilation			ERQ	100AV1	125AV1	140AV1
Capacity range			HP	4	5	6
Cooling capacity	Nom.		kW	11.2	14.0	15.5
Heating capacity	Nom.		kW	12.5	16.0	18.0
Power input	Cooling	Nom.	kW	2.81	3.51	4.53
	Heating	Nom.	kW	2.74	3.86	4.57
EER				3.99		3.42
COP				4.56	4.15	3.94
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320		
Weight	Unit		kg	120		
Casing	Material			Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.	m^3/min	106		
	Heating	Nom.	m^3/min	102	105	
Sound power level	Cooling	Nom.	dBA	66	67	69
Sound pressure level	Cooling	Nom.	dBA	50	51	53
	Heating	Nom.	dBA	52	53	55
Operation range	Cooling	Min./Max.	°CDB	-5/46		
	Heating	Min./Max.	°CWB	-20/15.5		
	On coil temperature	Heating/Min./Cooling/Max.	°CDB	10/35		
Refrigerant	Type			R-410A		
	Charge		kg	4.0		
			TCO_2eq	8.4		
	GWP			2,087.5		
	Control			Expansion valve (electronic type)		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9		19.1
	Drain	OD	mm	26x3		
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240		
Current	Maximum fuse amps (MFA)		A	32.0		

Ventilation			ERQ	125AW1	200AW1	250AW1
Capacity range			HP	5	8	10
Cooling capacity	Nom.		kW	14.0	22.4	28.0
Heating capacity	Nom.		kW	16.0	25.0	31.5
Power input	Cooling	Nom.	kW	3.52	5.22	7.42
	Heating	Nom.	kW	4.00	5.56	7.70
EER				3.98	4.29	3.77
COP				4.00	4.50	4.09
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765	1,680x930x765	
Weight	Unit		kg	159	187	240
Casing	Material			Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.	m^3/min	95	171	185
	Heating	Nom.	m^3/min	95	171	185
Sound power level	Nom.		dBA	72	78	
Sound pressure level	Nom.		dBA	54	57	58
Operation range	Cooling	Min./Max.	°CDB	-5/43		
	Heating	Min./Max.	°CWB	-20/15		
	On coil temperature	Heating/Min./Cooling/Max.	°CDB	10/35		
Refrigerant	Type			R-410A		
	Charge		kg	6.2	7.7	8.4
			TCO_2eq	12.9	16.1	17.5
	GWP			2,087.5		
	Control			Electronic expansion valve		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9	19.1	22.2
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/400		
Current	Maximum fuse amps (MFA)		A	16	25	

Integration of ERQ and VRV in third party air handling units

a wide range of expansion valve kits and control boxes

Combination table

		Control box			Expansion valve kit										Mixed connection with VRV indoor units
		EKEQDCB	EKEQFCBA	EKEQMCBA	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	EKEXV400	EKEXV500	
		Z control	W,X,Y control	Z control	-	-	-	-	-	-	-	-	-	-	
1-phase	ERQ100	P (1)	P	-	-	P	P	P	P	-	-	-	-	-	Not possible
	ERQ125	P (1)	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ140	P (1)	P	-	-	-	P	P	P	P	-	-	-	-	
3-phase	ERQ125	P (1)	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ200	P (1)	P	-	-	-	-	P	P	P	P	P	-	-	
	ERQ250	P (1)	P	-	-	-	-	-	P	P	P	P	-	-	
VRV IV H/P (RYYQ, RXYQ, RXYSQ, RXYTQ, RXYLQ, RWEYQ)		-	P	P (1) / n2 (1)											Possible (not mandatory)
VRV IV i-series		-	-												
VRV IV H/R		-	-	n1											Mandatory (no hydrobox)

- P (pair application) - One or more outdoor units connected to an (interlaced) coil of one AHU. To determine exact configuration please refer to the engineering data book.
- n1 (only mix application) - Combination of (multiple) AHU(s) and VRV DX indoor(s) is mandatory. To determine the exact configuration please refer to the engineering data book.
- n2 (mix or multi application) - Combination of (multiple) AHU(s) with (mix application) or without (multi application) VRV DX indoor(s). To determine the exact configuration please refer to the engineering data book.
- Control box EKEQFA can be connected to some types of VRV IV outdoor units (with a maximum of 3 boxes per unit). Do not combine EKEQFA control boxes with VRV DX indoor units, RA indoor units or hydroboxes

(1) No interlaced coil possible with Z control

Capacity table

Cooling

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.0	5.6	6.2	1.33	1.65
63	6.3	7.1	7.8	1.66	2.08
80	7.9	9.0	9.9	2.09	2.64
100	10.0	11.2	12.3	2.65	3.30
125	12.4	14.0	15.4	3.31	4.12
140	15.5	16.0	17.6	4.13	4.62
200	17.7	22.4	24.6	4.63	6.60
250	24.7	28.0	30.8	6.61	8.25
400	35.4	45.0	49.5	9.26	13.2
500	49.6	56.0	61.6	13.2	16.5

Saturated evaporating temperature: 6°C
Air temperature: 27°C DB / 19°C WB

Heating

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.6	6.3	7.0	1.33	1.65
63	7.1	8.0	8.8	1.66	2.08
80	8.9	10.0	11.1	2.09	2.64
100	11.2	12.5	13.8	2.65	3.30
125	13.9	16.0	17.3	3.31	4.12
140	17.4	18.0	19.8	4.13	4.62
200	19.9	25.0	27.7	4.63	6.60
250	27.8	31.5	34.7	6.61	8.25
400	39.8	50.0	55.0	9.26	13.2
500	55.1	63.0	69.3	13.2	16.5

Saturated condensing temperature: 46°C
Air temperature: 20°C DB

EKEXV - Expansion valve kit for air handling applications

Ventilation			EKEXV	50	63	80	100	125	140	200	250	400	500
Dimensions	Unit		mm	401x215x78									
Weight	Unit		kg	2.9									
Sound pressure level	Nom.		dBA	45									
Operation range	On coil temperature	Heating Min.	°CDB	10 (1)									
		Cooling Max.	°CDB	35 (2)									
Refrigerant	Type / GWP			R-410A / 2,087.5									
Piping connections	Liquid	OD	mm	6.35	9.52							12.7	15.9

(1) The temperature of the air entering the coil in heating mode can be reduced to -5°CDB. Contact your local dealer for more information. (2) 45% Relative humidity.

EKEQ - Control box for air handling applications

Ventilation		EKEQ	FCBA	DCB	MCBA
Application			Pair	Pair	Pair/Multi/Mix
Outdoor unit			ERQ / VRV	ERQ	VRV
Dimensions	Unit	mm	132x400x200		
Weight	Unit	kg	3.9	3.6	
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230		

The combination of EKEQFCBA and ERQ is in pair application. The EKEQFCBA can be connected to some type of VRV IV outdoor units with a maximum of 3 control boxes. The combination with DX indoor units, hydroboxes, RA outdoor units, ... is not allowed. Refer to the combination table drawing of the outdoor unit for details.

For more information refer to the **EKEXV** or **EKEQ** databooks

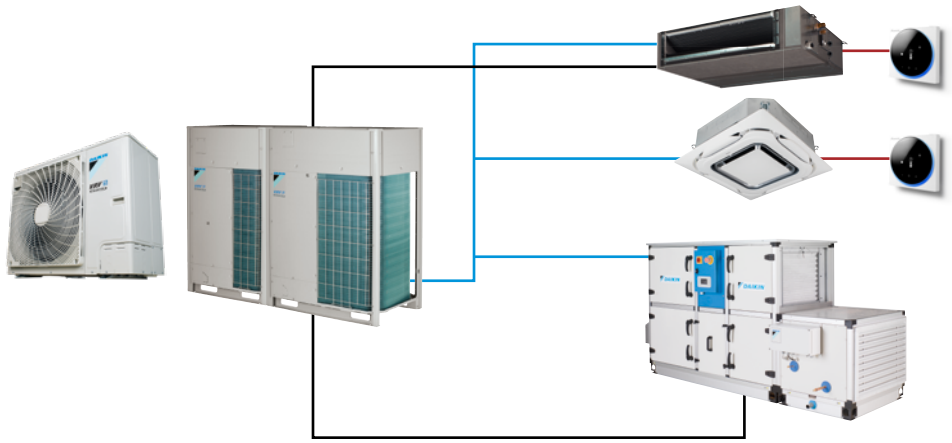
New generation of expansion valve kits and control boxes



Available from
Autumn
2023

Integrating third party Air Handling Units in the VRV 5 total solution (EKEXVA* / EKEA*)

VRV 5
BLUEVOLUTION



- Unified EXV range connectable to both VRV 5 R-32 and VRV IV / ERQ R-410A units
- 3 new EXV capacities: 300, 350 and 450, allowing maximum flexibility
- Unified control box, offering all existing W,X,Y,Z controls + new advanced Z control
- Complete peace of mind as Daikin provides all required tools to ensure compliance to the IEC product standard
- Extension of operation range of EKEA: Outside installation possible down to -25°C
- Lower connection ratio limit for pair application

SHÎRUDO TECHNOLOGY



Astropure 2000, Air Purifier for Commercial Applications

Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

› For areas where additional, extra high, filtration performance is needed.
› Airflow rate up to 2,000 m^3/h
› HEPA H14 filter in accordance with EN1822
› Pre-filter options up to ISO Coarse 70%
› Insulated double-wall construction provides whisper-quiet operation down to 35 dB(A)
› Easy installation, operation, and maintenance in a totally self-contained system
› For commercial areas up to 200m^2

Applications

Schools and Universities
Commercial Buildings
Healthcare
Hospitality
Shops and Shopping malls





Models

Model	BR00000554	BR00000749	BR00000676	BR00000751
Plug type	EU	UK	EU	UK
HEPA Filter (H14)		✓		✓
LCD Screen				✓
Activ. Carbon (Gas phase) pre-filter				✓

Providing high-efficiency 2-stage filtration

Standard prefilter

All units are delivered with a prefilter, increasing filter life and protecting the installed HEPA filter

RedPleat - 4531002424

› Delivered with BR00000554/749
› ISO 16890: ISO coarse 70%
› Available with Antimicrobial treated media (RedPleat ULTRA)



RedPleat Carb - 4139002424

› Delivered with BR00000676/751
› ISO 16890: ISO coarse 65%
› Effectively removes offensive odors



Main filter

The HEPA filter features eFRM filtration media which combines ultra-high efficiency and particulate loading to remove 99.99% of dust, pollen, mold, bacteria, viruses, and any airborne particle with a size of 0.3 microns or greater.

AstroCel III - 1493299990

› H14 filtration efficiency according EN 1822
› V-shaped filter configuration, combined with microglass media, delivers higher flow and the lowest possible pressure drop vs traditional box style HEPA filters
› Compatible with Discrete Particle Counter (DPC) and photometric test methods as access and instrumentation allow



Astropure 2000, Air Purifier for Commercial Applications

Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

- Airflow rate up to 2,000 m^3/h
- HEPA H14 filter in accordance with EN1822
- Optional touch sensitive LCD Display (BR00000676/751)
- Insulated double-wall construction provides whisper-quiet operation
- Activated carbon filter
- Sliding tray design provides easy access and servicing of filters
- Designed with internal variable fan speed (electronically commutated) to meet specific application requirements
- Suitable for in-room use or sheltered outdoor installation
- CE-compliance, VDI 6022 guided design



BR00000678/752

More details and final information can be found by scanning or clicking the QR codes.

BR00000554 BR00000676

Ventilation				BR00000554	BR00000749	BR00000676	BR00000751
Features	Plug type			EU	UK	EU	UK
	HEPA Filter (H14)			✓		✓	
	LCD Screen					✓	
	Activ. Carbon (Gas phase) pre-filter					✓	
Design air flow rate			m^3/h	2,000			
Application				Floor standing type			
Casing	Colour			Painted galvanized steel finish			
Dimensions	Unit	HxWxD	mm	1,628x720x770			
Weight	Unit		kg	150 (depending on version)			
Pre-filter	Dust collecting method			Prefilter RedPleat, ISO Coarse 70%		Prefilter RedPleat Carb, ISO Coarse 65% gas phase filter	
HEPA filter	Bacteria filtering method			Astrocel III HEPA H14			
Air purifying operation	Power input	High fan speed	kW	0.379			
Sound pressure level	Air purifying operation	High fan speed	dBA	55.9			
Fan Motor				Stepless adjustable			
Safety devices	Item			Safety switch (operation stops when the back door is open)			
Standard Accessories	Prefilter			1			
	HEPA filter			1			
	Quick Start and Maintenance Guide			1			
	Installation and Operation Manual			1 (download)			
Power cord			m	3			
Power supply	Phase			1~			
	Frequency		Hz	50/60			
	Voltage		V	230			
Running current	Air purifying operation	High fan speed	A	1.73			

Options - Ventilation

		Heat Recovery Ventilation - Modular T (Smart)					Heat Recovery Ventilation - Modular L (Smart)			
		ATB03RAS/LAS	ATB04RAS/LAS	SB.ATB05RAS/LAS	SB.ATB06RAS/LAS	SB.ATB07RAS/LAS	ALB02LBS/RBS	ALB03LBS/RBS	ALB04,05LBS/RBS	ALB06,07LBS/RBS
Individual control systems	**BRC301B61** VAM wired remote control	•	•	•	•	•	•	•	•	•
	Madoka **BRC1H52W** (White) / **BRC1H52S** (Silver) / **BRC1H52K** (Black) User-friendly wired remote controller with premium design	•	•	•	•	•	•	•	•	•
	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•	•	•	•	•
	BRC1D52 Standard wired remote control with weekly timer	•	•	•	•	•	•	•	•	•
Centralised control systems	**DCC601A51** intelligent Tablet Controller	•	•	•	•	•	•	•	•	•
	DCS601C51 intelligent Touch Controller	•	•	•	•	•	•	•	•	•
	DCS302C51 Central remote control	•	•	•	•	•	•	•	•	•
	DCS301B51 Unified ON/OFF control	•	•	•	•	•	•	•	•	•
Building Management System & Standard protocol interface	**DCM601A51** intelligent Touch Manager	•	•	•	•	•	•	•	•	•
	EKMBDXB Modbus interface	•	•	•	•	•	•	•	•	•
	DMS502A51 BACnet Interface	•	•	•	•	•	•	•	•	•
	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•	•	•
Filters	Coarse 55% (G4)	ATF03G4A	ATF04G4A	ATF05G4A	ATF06G4A	ATF07G4A	ALF02G4A	ALF03G4A	ALF05G4A	ALF07G4A
	ePM10 75% (M5)	ATF03M5A	ATF04M5A	ATF05M5A	ATF06M5A	ATF07M5A	ALF02M5A	ALF03M5A	ALF05M5A	ALF07M5A
	ePM10 70% (M6)									
	ePM1 50% (F7)	ATF03F7A	ATF04F7A	ATF05F7A	ATF06F7A	ATF07F7A	ALF02F7A	ALF03F7A	ALF05F7A	ALF07F7A
	ePM1 60% (F7)									
	ePM_1 70% (F8)									
	ePM1 80% (F9)	ATF03F9A	ATF04F9A	ATF05F9A	ATF06F9A	ATF07F9A	ALF02F9A	ALF03F9A	ALF05F9A	ALF07F9A
	High efficiency filter									
	Replacement air filter									
Mechanical accessories	Rail						ALA02RLA	ALA03RLA	ALA05RLA	ALA07RLA
	Rectangular to round duct transition						ALA02RCA	ALA03RC	ALA05RCA	ALA07RCA
	Separate plenum									
CO_2 sensor		BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200
Electrical heater for pre treatment of fresh air		ATD03HEFBU	ATD04HEFBU	ATD05HEFBU	ATD06HEFBU	ATD07HEFBU	ALD02HEFB	ALD03HEFB	ALD05HEFB	ALD07HEFB
DX coil for post treatment of fresh air										
Silencer (900mm depth)		ATA0360A	ATA0460A	ATA0560A	ATA0660A	ATA0760A	ALS0290A	ALS0390A	ALS0590A	ALS0790A
Electrical accessories	Wiring adapter for external monitoring/ control (controls 1 entire system)									
	Adapter PCB for humidifier									
	Adapter PCB for third party heater									
	External wired temperature sensor									
	Adapter PCB Mounting plate									
	Installation box for adaptor PCB									

Notes

(1) Do not connect the system to DIII-net devices LONWorks interface, BACnet interface, …; (intelligent Touch Manager, EKMBDXA are allowed)

(2) Installation box needed

(3) Adapter PCB mounting plate needed, applicable model can be found in the table above

(4) 3rd party heater and 3rd party humidifier cannot be combined

(5) Contains 1 plenum and can be used for half side of the unit (up to 4 plenums can be used on 1 unit)

(6) Available only with optional plenum

Energy recovery ventilation - VAM									Energy recovery ventilation VKM			Air handling unit applications		
VAM 150FC9	VAM 250FC9	VAM 350J8	VAM 500J8	VAM 650J8	VAM 800J8	VAM 1000J8	VAM 1500J8	VAM 2000J8	VKM 50GBM	VKM 80GBM	VKM 100GBM	EKEQFCBA (1)	EKEQDCB (1)	EKEQMCBA (1)
•	•	•	•	•	•	•	•	•						
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•	•	•	•	•	•	•	•	•	•	•	•			
		EKAFVJ50F6	EKAFVJ50F6	EKAFVJ65F6	EKAFVJ100F6	EKAFVJ100F6	EKAFVJ100F6 x2	EKAFVJ100F6 x2						
		EKAFVJ50F7	EKAFVJ50F7	EKAFVJ65F7	EKAFVJ100F7	EKAFVJ100F7	EKAFVJ100F7 x2	EKAFVJ100F7 x2						
		EKAFVJ50F8	EKAFVJ50F8	EKAFVJ65F8	EKAFVJ100F8	EKAFVJ100F8	EKAFVJ100F8 x2	EKAFVJ100F8 x2						
									KAF242H80M	KAF242H100M	KAF242H100M			
									KAF241H80M	KAF241H100M	KAF241H100M			
							EKPLEN200 (5)	EKPLEN200 (5)						
		BRYMA65	BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200	BRYMA65	BRYMA100	BRYMA100			
GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA20024	GSIEKA25030	GSIEKA25030	GSIEKA25030	GSIEKA35530 (6)		GSIEKA20024 (8)	GSIEKA20024 (8)	GSIEKA20024 (8)			
			EKVDX32A	EKVDX50A	EKVDX50A	EKVDX80A	EKVDX100A	EKVDX100A						
KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
									BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
BRP4A50A	BRP4A50A	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
													KRCS01-1	
EKMP25VAM	EKMP25VAM			EKMP65VAM			EKMPVAM							
KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101						



Marine Industry

From air conditioning to refrigeration

The highest peak in marine technology

Marine Industry

The Chiller Technology	598
The Standard Marine technology	600
The Air Handling and Fan Coil units	602
The DX range	604
The Controller	605



The Chiller technology

Energy efficient & outstanding reliability

“Cooling and heating capacity”



Available Features

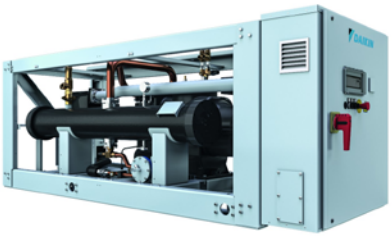
- Condenser Shell & tube type
- Cu- or Cu-Ni 90/10 tubing
- Compact, modular design
- Anti-vibration features
- Halogen free cabling & insulation
- Inverter driven Compressors
- Low GWP refrigerants
- Operation as a heat pump
- Stainless steel cable trays
- Roll & Pitch resistant
- Power supply 400/440/690V/6,600V & 50/60Hz
- LRoS, ABS, BV, DNV/GL, classNK, RINA, Solas IMO certified



Hydro Cube



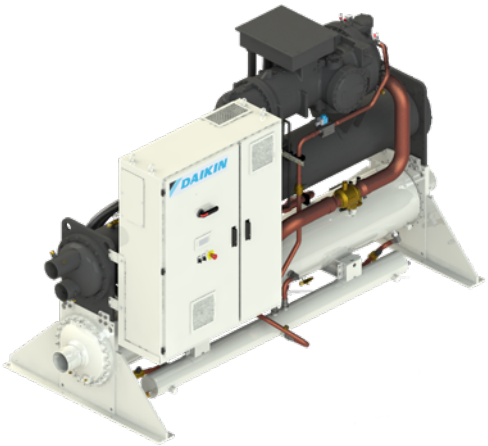
Air cooled chiller



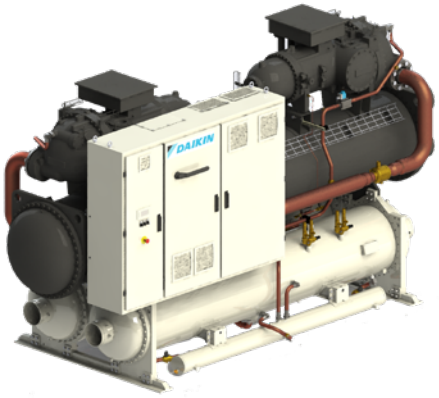
J Type (screw)



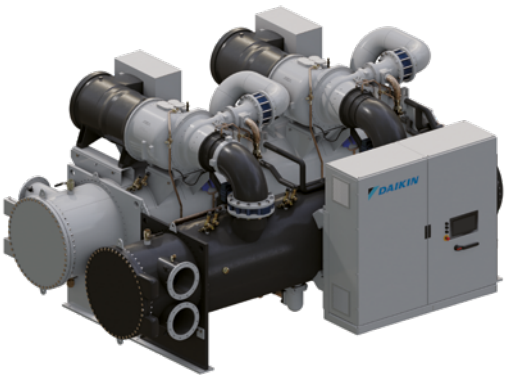
Cooling capacity 10 kW to 9.000 kW



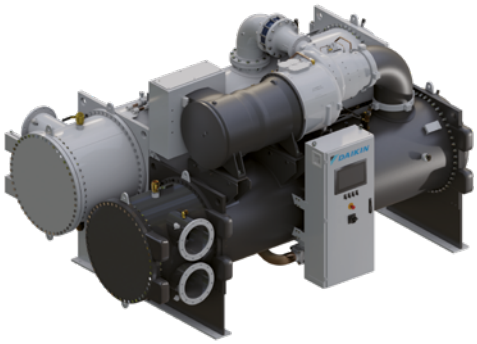
VZ Type (single screw)



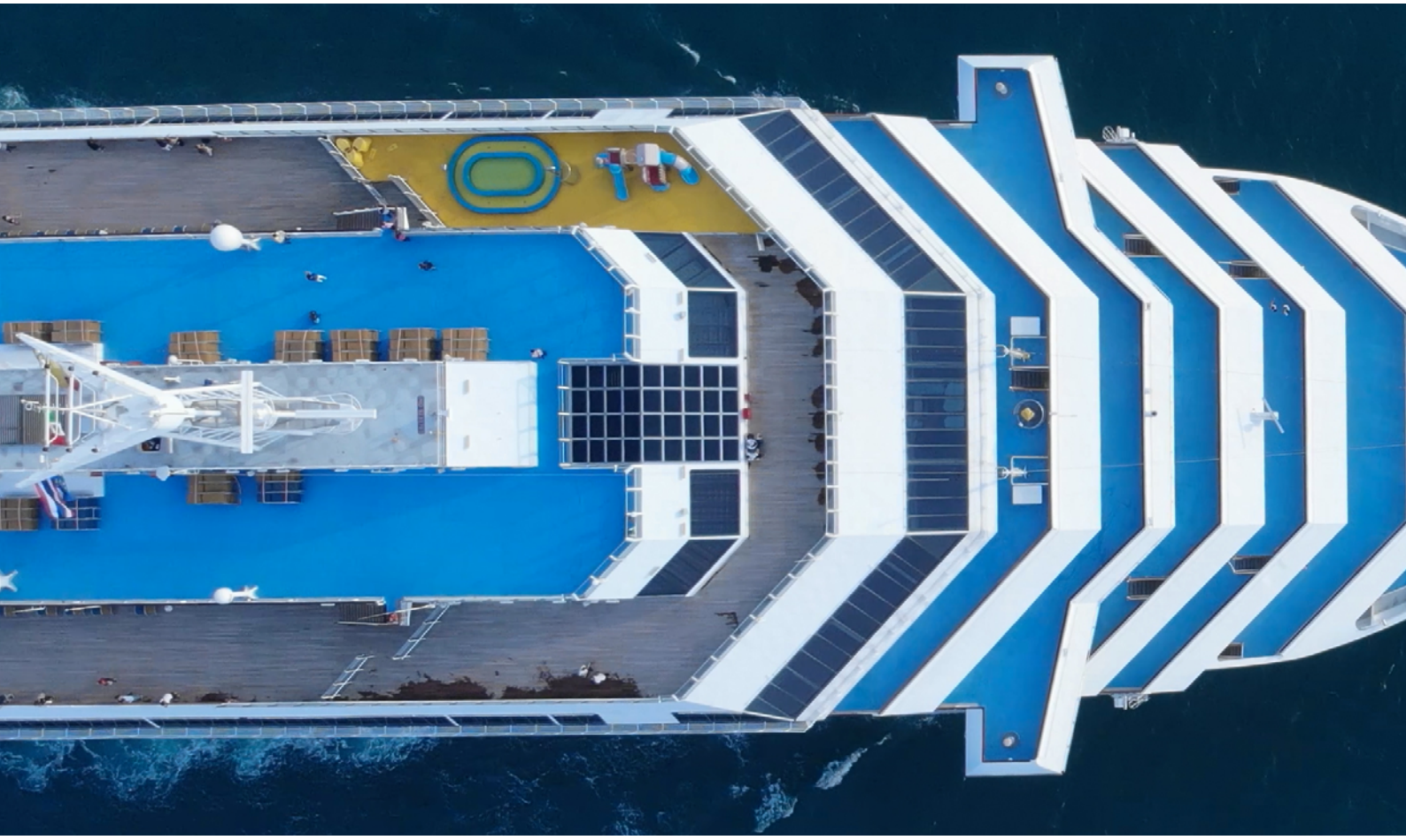
VZ Type (dual screw)



DWSC Type (single centrifugal)



DWDC Type (dual centrifugal)



The Standard Marine Technology

Reliable marine air conditioning

Available Features

› Electrical heater

› 2 or 3 way sea-water-valves

› Remote Control

› Increase of external pressure

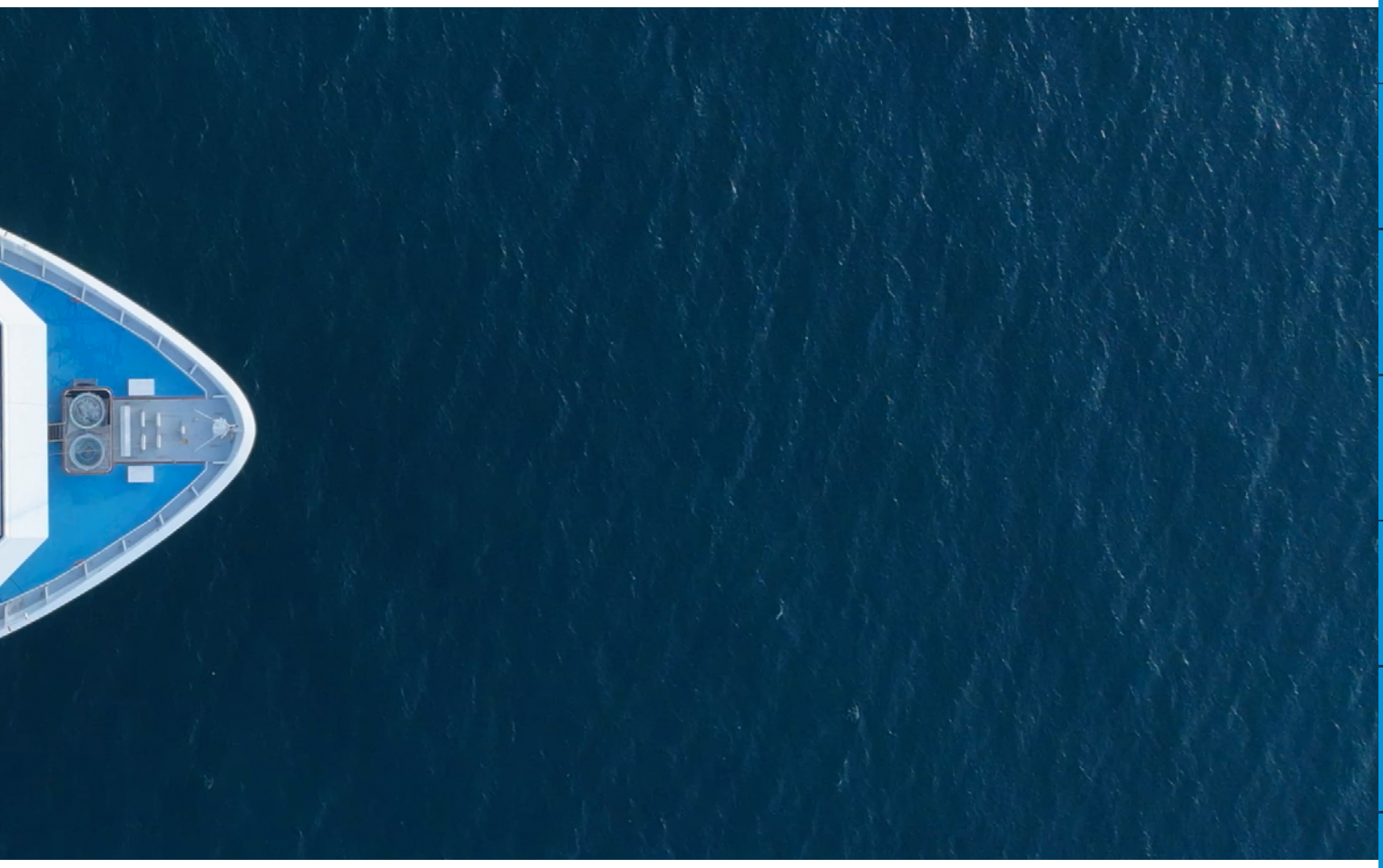
› 690V execution

› or other things on demand

› LRoS, ABS, BV, DNV/GL, classNK, RINA, Solas IMO certified

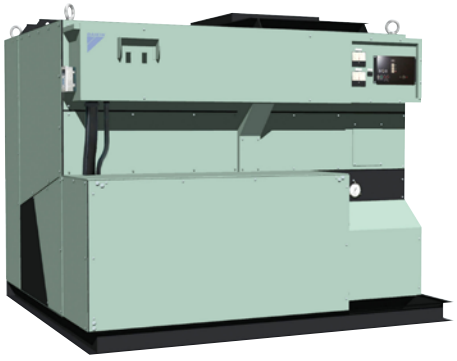


Water Chilling Unit





Marine Compact



Deck Unit



Galley Unit



Refrigeration Condensing Unit

The Air Handling and Fan Coil units

Performance You Demand. Quality You Expect.

Available Features AHU

- Electrical heater
- Various stainless steel surfaces
- Special coating (plastisol, precoated)
- 3D drip pan
- Coils Cu, CuNi, stainless titanium
- Electro fin or heresite coating
- Up to 65mm wall thickness
- External pressure up to 2,500Pa
- 400V / 440V / 690V – 50Hz / 60Hz
- Fully prewired (optional)
- With automation (optional)
- Optimized component selection (low energy consumption)
- Comprehensive tested to clients



The Ocean R

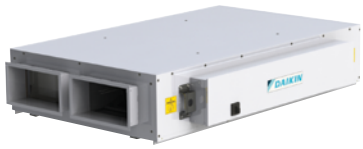


The Ocean P



Available Features FCU

› Special coating
› Thermostat, build in or remote, wireless or hard-wired
› Various IP classes
› Anti vibration features
› 60 Hz modifications
› Roll & Pitch modification, drip pan height 35 mm & double outlet
› ATEX certification
› or on demand



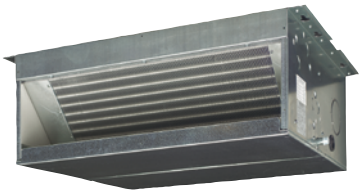
ALB-RB_LB



FWV01-02DT-DF



CQ35-50-60-71C



FWD04AT-AF



FWT-CT

The DX Range

Flexible to fit your project



Features available on demand

› Special coating
› Thermostat, build in or remote
› Wireless or hard wired
› Various IP classes
› Anti vibration features
› 60 Hz modifications
› Roll & Pitch modification, drip pan height 35mm & double outlet
› ATEX certification



The Controller



Available Features

› Several protocol interfaces

› Remote control

› Visualization of energy consumption

› Remote support and diagnostics

› Predictive logic for VRV

› Daikin Cloud Service



Web Access

DAIKIN CLOUD SERVICE

To connect intelligent Touch Manager to the Daikin Cloud Service, the IoT gateway (EU. SB.5000072) and AC/DC converter (999175A) is needed.

Internet
Extranet
LAN
3G
HTTP interface



Integration of third party equipment

touch intelligent Manager

DCM601B51



Fire alarm

kWh meter

Di/Pi line
Max. 200m

BACnet/IP protocol



WAGO interface

Analog/digital/pulse objects

Lighting

Fan

Pump

Sensor

I/O module

I/O module

Multi state objects

Elevator

Air handling unit

Alarm

DALI
Protocol

Lighting

Sensor

Full control of Daikin HVAC-R portfolio

DIII Plus adaptor
DGE601A52

DIII Plus adaptor Slot DGE601A53
Max. 6 Additional Slots can be connected





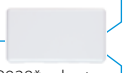
Max 64 indoor units

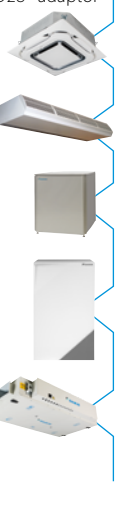
Direct plug & play connection!

Split
Sky Air
VRV
indoor units,
air curtain,
hydrobox,
air handling units



KRP928* adaptor





Fan coil units



Chillers and AHU













Why choose Daikin?

Daikin is Europe's leading manufacturer and global n°1 of highly energy-efficient heating, cooling, ventilation and refrigeration solutions for residential, commercial and industrial applications.

Why choose Daikin Marine equipment?

- Wide and flexible marine portfolio
- Worldwide experience in design and manufacturing
- The highest efficiency for marine installations
- Quality and reliability
- Worldwide Service teams at disposal





Daikin chillers offer the ultimate in reliability and flexibility — a reflection of the advanced technology inherent within them. Daikin chillers represent the sure and safe route to a comfortable environment and a process cooling solution that is clean and consistent.

Chillers

Why choose Daikin chillers 610

Products Overview - Air cooled chillers, condensing units and Multipurpose units 614

Products Overview - Water cooled and condenserless chillers 616

Air cooled chillers cooling only 619
NEW EWAA-DV3P 619
EWAA-DW1P 620
EWAA-DV3P-H 621
EWAA-DW1P-H 622
EWAT-CZ 623
EWYT-CZ 626
EWAD-CF 629
EWAD-TZS 634
EWAD-TZX 636
EWAD-TZP 638
EWAH-TZS 640
EWAH-TZX 642
EWAH-TZP 644
EWAD-TZSSC2/SLC2 646
EWAD-TZSRC2 647
EWAD-TZXSC2 648
EWAD-TZXRC2 649
EWAH-TZSSC2/SLC2 650
EWAH-TZSRC2 651
EWAH-TZXSC2/XLC2 652
EWAH-TZXRC2 653
EWAD-T-SSC/SLC 654
EWAD-T-XSC/XLC 655
EWAD-T-XRC 656
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EWAT-B-SRB 661
EWAT-B-XSB/XLB 662
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Air cooled chillers Heat pump 664
NEW EWYA-DV3P 664
EWYA-DW1P 666
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EWYT-B-SS/SL 672
EWYT-B-SR 673
EWYT-B-XS/XL 674
EWYT-B-XR 675
NEW EWYT-CZ I / EWYT-CZ O 676
EWYD-BZSS 678
EWYD-BZSL 679

Multipurpose unit 680
EWYD-4ZXSB2 681
EWYD-4ZXRB2 682

Air cooled condensing unit 684
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ERAD-E-SL 685

Water cooled chillers 686
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EWHQ-G-SS 688
EWWQ-G-SS 689
EWWQ-L-SS 690
EWWD-J-SS 691
EWWH-J-SS 692
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Water cooled centrifugal chillers 716
EWWD-DZ 716
EWWH-DZ 718
EWWS-DZ 720
NEW DWSC C Series 722
NEW DWDC C Series 723

Accessories 724

For latest data, please consult my.daikin.eu



Daikin chillers

Why choose Daikin chillers?

Daikin chillers are the perfect bridge between project requirements and customer satisfaction.

From the smallest chillers to the very largest, our quality control and attention detail is absolute.

Our systems have the **most advanced technologies**, deliver **the highest energy efficiencies** and **lowest running costs**, and are the gold standard for reliability and performance.

The widest and most flexible chiller portfolio

› From the smallest mini chiller for residential use to the largest chiller for district cooling
› Tailor made solutions based on the most advanced technologies
› Wide range of options and accessories

Worldwide experience in chiller design and manufacturing

› World's most advanced facilities for air conditioning research and development: the Applied Development Center in Minneapolis, Minnesota
› Inhouse development and manufacturing of chiller main components (compressors, fans, condenser coils, software, etc...)
› Chillers produced in European factories, in Milan and Ostend

The highest efficiency for every installation

› Inverter technology over the whole capacity range
› The lowest total cost of ownership and fast payback time

Quality and reliability

› Daikin's integrated zero defect policy ensures quality of components and finished products
› Each Daikin chiller is factory run-tested and subjected to quality audit before shipment

Benefits for installers

› Plug & play solutions
› Maximum serviceability
› Ideal solutions for retrofit projects

Benefits for consultants

› Energy efficient solutions without compromising on reliability and performance
› Latest technology embedded in all our products

Benefits for end users

› Remarkable savings on running costs
› Easy to customise the chiller to your application, environment and need thanks to more than 150 different options.

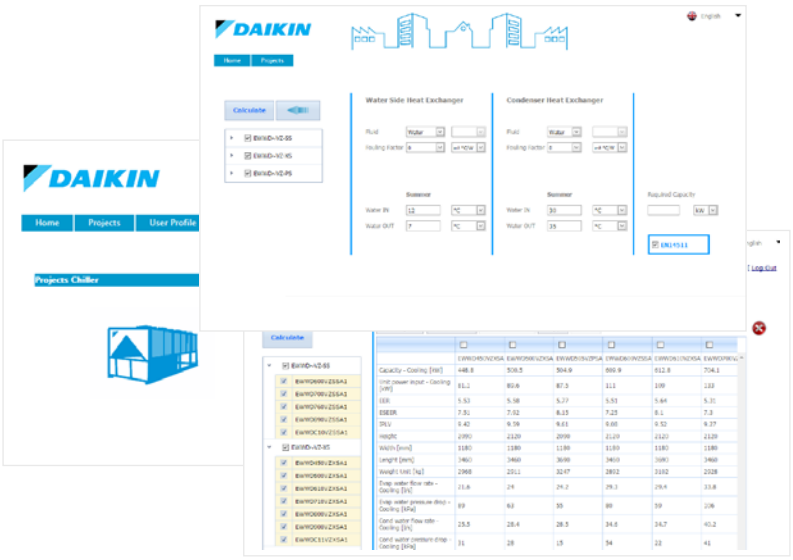
Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on:
http://tools.daikinapplied.eu/





401 Chiller and air side equipment
Product portfolio



416 Modular L
Product profile



445 EWYD-4Z Multipurpose
Product profile



404 EWAD-TZ B
Product profile



418 Chiller series
Product profile

Supporting tools

Business portal

› Experience our extranet that thinks with you at my.daikin.eu
› Find information in seconds via a powerful search
› Customise the options so you see only info relevant for you
› Access via mobile device or desktop

Website

› www.daikin.eu/en_us/product-group/chillers.html
› Explore our product range
› Find our solutions for applications
› Get more commercial details on our flagship products

Literature

› Download or consult our literature for our professional network and end-customers


OFFICE APPLICATION



AIR COOLED CHILLER INSTALLATION



AIR COOLED CHILLER INSTALLATION


INDUSTRIAL APPLICATION


HOTEL
APPLICATION


DATA CENTER
APPLICATION


DAIKIN

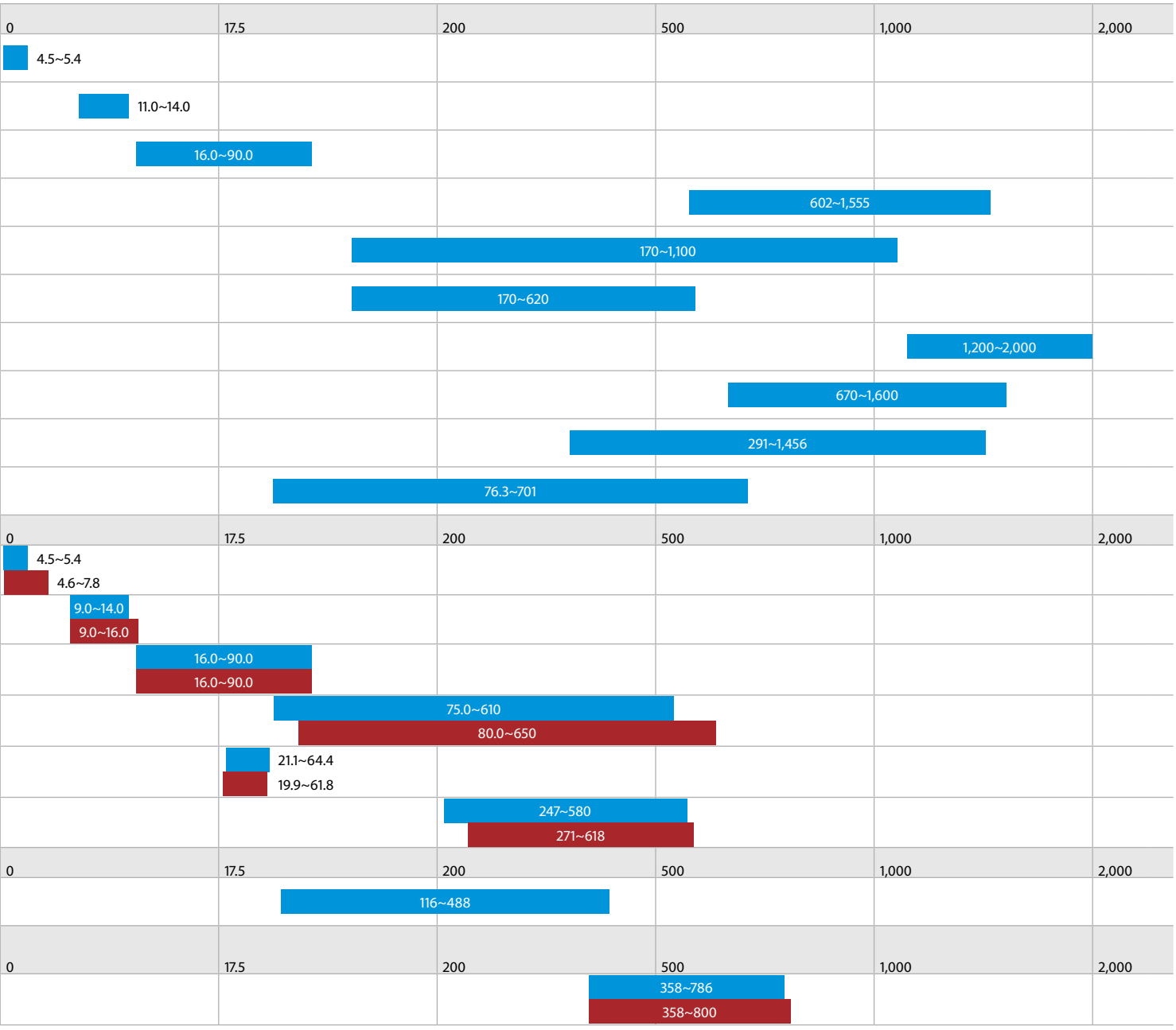

PROCESS COOLING
APPLICATION

Products overview

		Refrigerant type *	Refrigerant circuits	Inverter	Free cooling	Compressor			Water heat exchanger		Efficiency version			Sound version		
						Swing	Scroll	Screw	Plate **	Single pass shell and tube	Standard	High	Premium	Standard	Low	Reduced
Cooling only																
EWAA-DV3P		R-32	1	●		●			● BPHE		●			●		
EWAA-DV3P-H/ DW1P-H		R-32	1	●		●			● BPHE		●			●		
EWAT~CZN/P/H		R-32	1-2	●			●		● BPHE		●			●		
EWAD~CF		R-134a	2		●			●		●		●		●	●	●
EWAD-TZ B		R-134a	1-2	●				●	●	●	●	●	●	●	●	●
EWAH-TZ B		R-1234ze(E)	1-2	●				●	●	●	●	●	●	●	●	●
EWAD-TZ C		R-134a	1-2	●				●	●	●	●	●	●	●	●	●
EWAH-TZ C		R-1234ze(E)	1-2	●				●	●	●	●	●	●	●	●	●
EWAD-T-		R-134a	2					●		●	●	●	●	●	●	●
EWAT-B		R-32	1-2				●		●		●	●		●	●	●
Heat pump																
EWYA-DV3P		R-32	1	●		●			● BPHE		●			●		
EWYA-DV3P-H/ DW1P-H		R-32	1	●		●			● BPHE		●			●		
EWYT~CZN/P/H	NEW 	R-32	1-2	●			●		● BPHE		●			●		
EWYT-B		R-32	1-2				●		● BPHE		●	●		●	●	●
EWYT-CZI EWYT-CZO		R-32	1-2	●			●		● BPHE		●			●		
EWYD~BZ		R-134a	2-3	●				●		●	●			●	●	
Condensing unit																
ERAD~E-		R-134a	1					●			●			●	●	
Multipurpose unit																
EWYD-4Z		R-134a	2	●				●		●		●		●	●	●

* (GWP): R-410A (2,087.5), R-134a (1,430) - ** BPHE: Brazed plate heat exchanger

Cooling capacity (kW)
Heating capacity (kW)

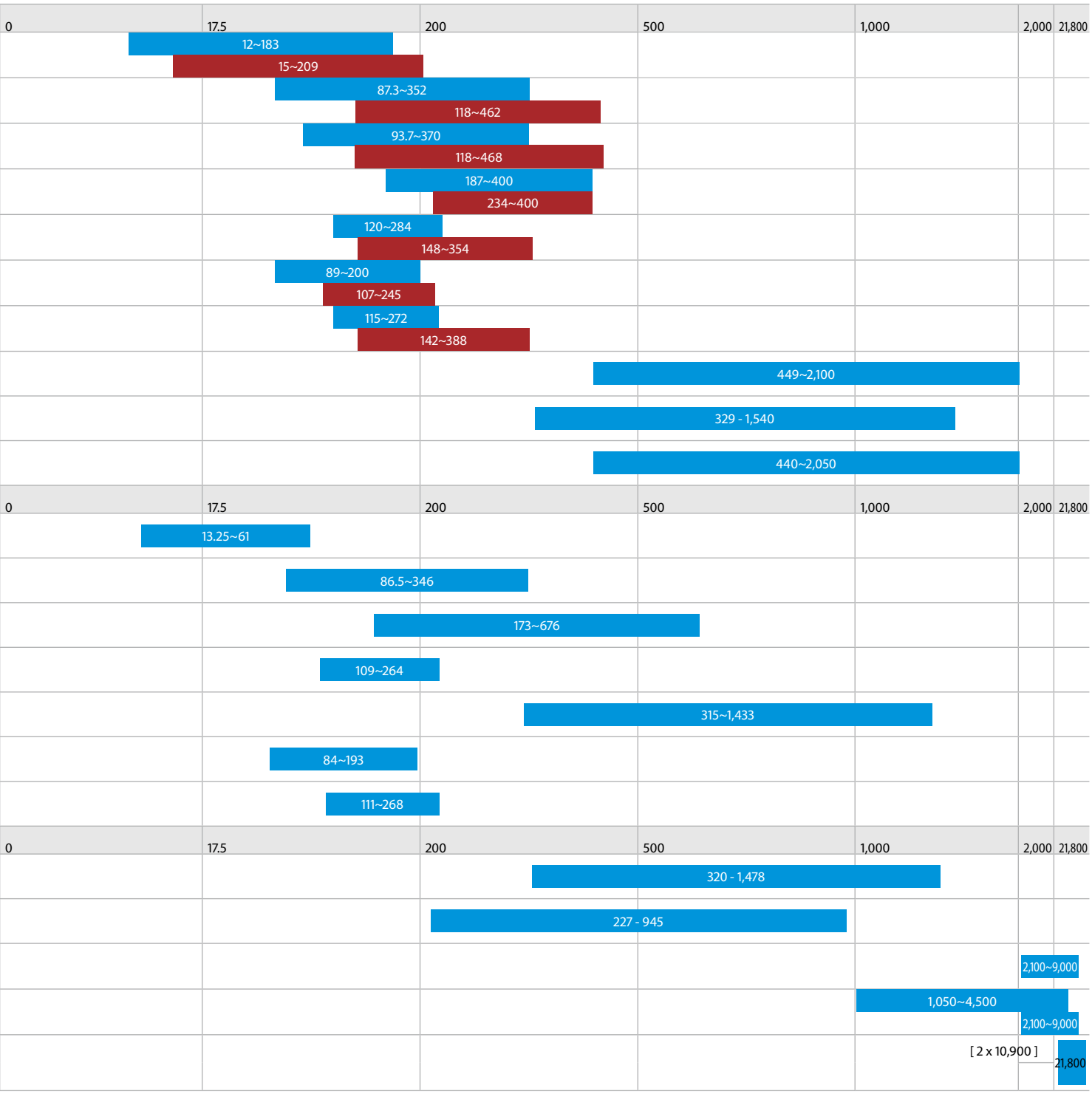


Products overview

		Refrigerant Type *	Refrigerant circuits	Inverter	Compressor			Water heat exchanger			Efficiency version			Sound version
					Scroll	Screw	Centrifugal	Plate **	Single pass shell and tube	Shell and tube	Standard	High	Premium	Standard
Water cooled chillers (Cooling only and Heat Pump)														
EWWQ-KCW1N		R-410a	1-2		●			●			●			●
EWHQ~G-		R-410A	1		●			●			●			●
EWWQ~G-		R-410A	1		●			●			●			●
EWWQ~L-		R-410A	2		●			●			●			●
EWWD~J-		R-134a	1			●		●			●			●
EWWH-J-		R1234ze	1			●		●			●			●
EWWS-J-		R-513A	1			●		●			●			●
EWWD-VZ		R-134a	1-2	●		●				● Flooded	●	●	●	●
EWWH-VZ		R-1234ze(E)	1-2	●		●				● Flooded	●	●	●	●
EWWS-VZ		R-513A	1-2	●		●				● Flooded	●	●	●	●
Condenserless chillers														
EWLQ-KCW1N		R-410A	1-2		●			● BPHE			●			●
EWLQ~G-		R-410A	1		●			●			●			●
EWLQ~L-		R-410A	2		●			●			●			●
EWLD~J-		R-134a	1			●		●			●			●
EWLD~I-		R-134a	1-2-3			●			●		●			●
EWLH-J-		R1234ze	1			●		●			●			●
EWLS-J-		R-513A	1			●		●			●			●
Water cooled centrifugal chillers														
EWWD-DZ		R-134a	1				●			●		●		●
EWWH-DZ		R-1234ze(E)	1				●			●		●		●
DWDC B		R-134a and R513A	1	optional			●			● Flooded		●		●
DWSC C / DWDC C NEW		R-134a, R-513A and R-1234ze	1	optional			●			● Flooded		●		●
6,000 RT CENTRIFUGAL		R-134a	2 per chiller				●		● Flooded			●		●

* (GWP): R-410A (2,087.5), R-134a (1,430), R-407C (1,773.9) - ** BPHE: Brazed plate heat exchanger

Cooling capacity (kW)
Heating capacity (kW)





Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Hermetically sealed swing inverter compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



EW(A-Y)A004-008DV3P_R

More details and final information can be found by scanning or clicking the QR codes.

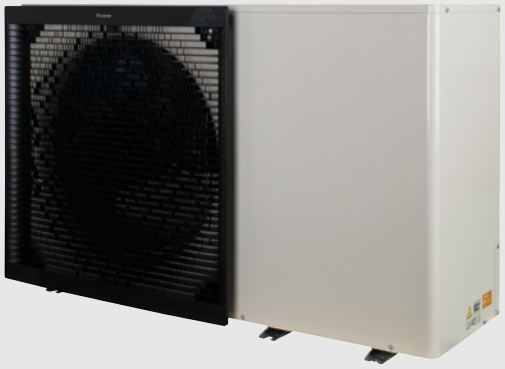
EWAA-DV3P

Cooling Only				EWAA-DV3P	004	006	008
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	5.83 (1) / 5.09 (2)	6.18 (1) / 5.44 (2)
Power input	Cooling	Nom.		kW	0.820 (1) / 1.36 (2)	1.08 (1) / 1.55 (2)	1.19 (1) / 1.73 (2)
Capacity control	Method				Variable (inverter)		
EER					5.91 (1) / 3.32 (2)	5.40 (1) / 3.28 (2)	5.19 (1) / 3.14 (2)
Dimensions	Unit	Height		mm	770		
		Width		mm	1,250		
		Depth		mm	362		
Weight	Unit			kg	88.0		
Water heat exchanger	Type				Plate heat exchanger		
	Water volume			l	1		
Compressor	Type				Hermetically sealed swing compressor		
	Quantity				1		
Fan	Type				Propeller fan		
	Quantity				1		
Sound power level	Cooling	Nom.		dBA	61.0 (1)	62.0 (1)	
Sound pressure level	Cooling	Nom.		dBA	48.0 (1)	49.0 (1)	50.0 (1)
Operation range	Air side	Cooling	Min.~Max.	°CDB	10 (3)~43		
	Water side	Cooling	Min.~Max.	°CDB	5 (3)~22		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg	1.35		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230 +/-10%		

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)For more details, see operation range drawing

Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Daikin swing compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



EWAA

More details and final information can be found by scanning or clicking the QR codes.

EWAA-DW1P

Cooling Only				EWAA	011DW1P	014DW1P	016DW1P
Space cooling	A Condition 35°C	Pdc		kW	11.6	12.8	14.0
	ηs,c			%	229	226	221
SEER					5.79	5.71	5.59
Cooling capacity	Nom.			kW	11.6 (1) / 11.5 (2)	12.8 (1) / 12.7 (2)	14.0 (1) / 15.3 (2)
Power input	Cooling	Nom.		kW	3.56 (1) / 2.17 (2)	4.06 (1) / 2.51 (2)	4.58 (1) / 3.24 (2)
Capacity control	Method				Variable (inverter)		
EER					3.26 (1) / 5.31 (2)	3.16 (1) / 5.04 (2)	3.06 (1) / 4.74 (2)
Dimensions	Unit	Height		mm	870		
		Width		mm	1,380		
		Depth		mm	460		
Weight	Unit			kg	147		
Water heat exchanger	Type				Plate heat exchanger		
	Water volume			l	2		
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler		
Compressor	Type				Hermetically sealed swing inverter compressor		
	Quantity				1		
Fan	Type				Propeller fan		
	Quantity				1		
	Air flow rate	Cooling	Nom.	m^3/min	70	85	
Sound power level	Cooling	Nom.		dBA	67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43		
	Water side	Cooling	Min.~Max.	°CDB	5~22		
Refrigerant	Type/GWP				R-32/675.0		
	Control				Electronic expansion valve		
	Circuits	Quantity			1		
Refrigerant charge	Per circuit			kg	3.80		
	Per circuit			TCO2Eq	2.6		
Unit	Running current	Max		A	14.0		
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400		

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

INVERTER

BLUEVOLUTION

Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Daikin swing compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



EWAA

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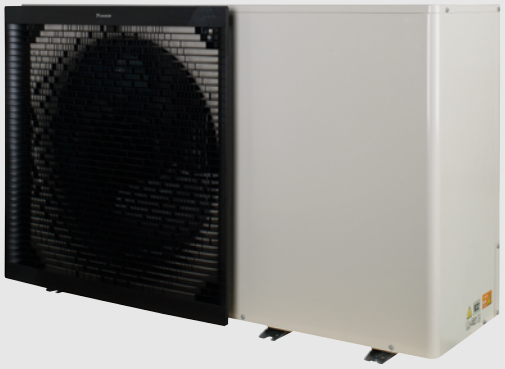
EWAA-DV3P-H

Cooling Only				EWAA	011DV3P-H-	014DV3P-H-	016DV3P-H-
Space cooling	A Condition 35°C	Pdc		kW	11.6	12.8	14.0
	ηs,c			%	229	226	221
SEER					5.79	5.71	5.59
Cooling capacity	Nom.			kW	11.6 (1) / 11.5 (2)	12.8 (1) / 12.7 (2)	14.0 (1) / 15.3 (2)
Power input	Cooling	Nom.		kW	3.56 (1) / 2.17 (2)	4.06 (1) / 2.51 (2)	4.58 (1) / 3.24 (2)
Capacity control	Method				Variable (inverter)		
EER					3.26 (1) / 5.31 (2)	3.16 (1) / 5.04 (2)	3.06 (1) / 4.74 (2)
Dimensions	Unit	Height		mm	870		
		Width		mm	1,380		
		Depth		mm	460		
Weight	Unit			kg	147		
Water heat exchanger	Type				Plate heat exchanger		
	Water volume			l	2		
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler		
Compressor	Type				Hermetically sealed swing inverter compressor		
	Quantity				1		
Fan	Type				Propeller fan		
	Quantity				1		
	Air flow rate	Cooling	Nom.	m^3/min	70	85	
Sound power level	Cooling	Nom.		dBA	67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43		
	Water side	Cooling	Min.~Max.	°CDB	5~22		
Refrigerant	Type/GWP				R-32/675.0		
	Control				Electronic expansion valve		
	Circuits	Quantity			1		
Refrigerant charge	Per circuit			kg	3.80		
	Per circuit			TCO2Eq	2.6		
Unit	Running current	Max		A	30.8		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230		

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Daikin swing compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



EWAA

More details and final information can be found by scanning or clicking the QR codes.

EWAA-DW1P-H

Cooling Only					EWAA	011DW1P-H-	014DW1P-H-	016DW1P-H-
Space cooling	A Condition 35°C	Pdc			kW	11.6	12.8	14.0
	ηs,c				%	229	226	221
SEER						5.79	5.71	5.59
Cooling capacity	Nom.				kW	11.6 (1) / 11.5 (2)	12.8 (1) / 12.7 (2)	14.0 (1) / 15.3 (2)
Power input	Cooling	Nom.			kW	3.56 (1) / 2.17 (2)	4.06 (1) / 2.51 (2)	4.58 (1) / 3.24 (2)
Capacity control	Method					Variable (inverter)		
EER						3.26 (1) / 5.31 (2)	3.16 (1) / 5.04 (2)	3.06 (1) / 4.74 (2)
Dimensions	Unit	Height			mm	870		
		Width			mm	1,380		
		Depth			mm	460		
Weight	Unit				kg	147		
Water heat exchanger	Type					Plate heat exchanger		
	Water volume				l	2		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler		
Compressor	Type					Hermetically sealed swing inverter compressor		
	Quantity					1		
Fan	Type					Propeller fan		
	Quantity					1		
	Air flow rate	Cooling	Nom.		m^3/min	70	85	
Sound power level	Cooling	Nom.			dBA	67.0	69.0	
Sound pressure level	Cooling	Nom.			dBA	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.		°CDB	10~43		
	Water side	Cooling	Min.~Max.		°CDB	5~22		
Refrigerant	Type/GWP					R-32/675.0		
	Control					Electronic expansion valve		
	Circuits	Quantity				1		
Refrigerant charge	Per circuit				kg	3.80		
	Per circuit				TCO2Eq	2.6		
Unit	Running current	Max			A	14.0		
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400		

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

INVERTER

Air cooled scroll inverter chiller

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request



EWAT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWAT-CZN

Cooling Only				EWAT	016CZN-A1	021CZN-A1	025CZN-A1	032CZN-A1	040CZN-A1	040CZN-A2	050CZN-A2	064CZN-A2	090CZN-A2
Space cooling	A Condition Pdc 35°C			kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
	ηs,c			%	197		200	205	201	213	210	205	198
SEER					5.00		5.06	5.21	5.09	5.41	5.33	5.21	5.03
Cooling capacity	Nom.			kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
Power input	Cooling	Nom.		kW	5.50	6.60	8.50	10.3	13.4	13.2	17.0	21.8	31.0
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.90	3.16	3.00	3.13	2.95	3.12	2.98	2.93	2.84
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	222	245		340	339	480		574	672
	Operation weight			kg	223	247		343	342	486		580	680
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800		900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76.0		78.0	79.0	80.0		81.0	83.0	85.0
Sound pressure level	Cooling	Nom.		dBA	59.7		61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter chiller

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request



EWAT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWAT-CZP

Cooling Only				EWAT	016CZP-A1	021CZP-A1	025CZP-A1	032CZP-A1	040CZP-A1	040CZP-A2	050CZP-A2	064CZP-A2	090CZP-A2
Space cooling	A Condition Pdc 35°C			kW	16.0	21.0	25.7	32.6	39.8	41.6	51.0	64.3	88.6
	ηs,c			%	209	213		225	211	228	216	211	204
SEER					5.30	5.41		5.70	5.36	5.76	5.48	5.34	5.18
Cooling capacity	Nom.			kW	16.1	21.1	25.9	32.7	39.9	41.7	51.1	64.4	88.8
Power input	Cooling	Nom.		kW	5.45	6.56	8.48	10.3	13.3	13.2	16.9	21.9	31.1
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.96	3.22	3.05	3.18	3.00	3.17	3.03	2.95	2.85
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	256	278		383	382	531		630	727
	Operation weight			kg	257	280		386	385	537		636	735
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800	900		700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76.0	78.0		79.0	80.0		81.0	-	
Sound pressure level	Cooling	Nom.		dBA	59.7	61.7		62.2	63.2	62.8	63.8	-	
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter chiller

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request



EWAT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWAT-CZH

Cooling Only				EWAT	016CZH-A1	021CZH-A1	025CZH-A1	032CZH-A1	040CZH-A1	040CZH-A2	050CZH-A2	064CZH-A2	090CZH-A2
Space cooling	A Condition 35°C	Pdc		kW	16.1	21.1	25.8	32.7	39.9	41.7	51.1	64.3	88.7
	ηs,c			%	205	210	211	224	210	227	213	208	202
Cooling capacity	Nom.			kW	16.2	21.2	25.9	32.8	40.1	41.8	51.3	64.5	88.9
Power input	Cooling	Nom.		kW	5.60	6.70	8.70	10.4	13.5	13.3	17.0	22.0	31.2
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.89	3.15	2.98	3.14	2.97	3.15	3.02	2.93	2.85
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	256	278		383	382	531		630	727
	Operation weight			kg	257	280		386	385	537		636	735
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.20
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800		900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76.0		78.0	79.0	80.0		81.0	83.0	85.0
Sound pressure level	Cooling	Nom.		dBA	59.7		61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GWP				R-32/675								R-32/675.0
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request



EWYT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWYT-CZN

Heating & Cooling				EWYT	016CZN-A1	021CZN-A1	025CZN-A1	032CZN-A1	040CZN-A1	040CZN-A2	050CZN-A2	064CZN-A2	090CZN-A2
Space cooling	A Condition 35°C	Pdc		kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
		ηs,c		%	197		200	205	201	213	210	205	198
SEER					5.00		5.06	5.21	5.09	5.41	5.33	5.21	5.03
Space heating	Average climate water outlet 35°C	General	SCOP		3.89	4.00	4.07	4.06	4.07	4.02	4.00	3.98	4.00
			Seasonal space heating eff. class		A++								
Cooling capacity	Nom.			kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
Heating capacity	Nom.			kW	15.9	20.2	24.8	32.4	39.4	40.3	49.8	61.9	85.8
Power input	Cooling	Nom.		kW	5.50	6.60	8.50	10.3	13.4	13.2	17.0	21.8	31.0
	Heating	Nom.		kW	4.70	5.80	7.50	9.40	11.8	11.9	15.4	19.1	27.2
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.90	3.16	3.00	3.13	2.95	3.12	2.98	2.93	2.84
COP					3.41	3.46	3.33	3.45	3.33	3.38	3.24	3.23	3.16
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	227	252		350	349	494		588	693
	Operation weight			kg	228	254		353	352	500		594	701
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
		Heating	Nom.	l/s	0.8	1.0	1.2	1.5	1.9		2.4	3.0	4.1
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
		Heating	Nom.	kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8	20.4	19.1
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800		900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76.0		78.0	79.0	80.0		81.0	83.0	85.0
Sound pressure level	Cooling	Nom.		dBA	59.7		61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request



EWYT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWYT-CZP

Heating & Cooling				EWYT	016CZP-A1	021CZP-A1	025CZP-A1	032CZP-A1	040CZP-A1	040CZP-A2	050CZP-A2	064CZP-A2	090CZP-A2
Space cooling	A Condition 35°C	Pdc		kW	16.0	21.0	25.7	32.6	39.8	41.6	51.0	64.3	88.6
		ηs,c		%	209	213		225	211	228	216	211	204
SEER					5.30	5.41		5.70	5.36	5.76	5.48	5.34	5.18
Space heating	Average climate water outlet 35°C	General	SCOP		4.03	4.19		4.18		4.19	4.12	4.01	4.04
			Seasonal space heating eff. class		A++								
Cooling capacity	Nom.			kW	16.1	21.1	25.9	32.7	39.9	41.7	51.1	64.4	88.8
Heating capacity	Nom.			kW	15.6	19.9	24.6	32.1	39.0	40.0	49.5	61.4	85.3
Power input	Cooling	Nom.		kW	5.45	6.56	8.48	10.3	13.3	13.2	16.9	21.9	31.1
	Heating	Nom.		kW	4.63	5.81	7.42	9.32	11.7	11.8	15.3	19.2	27.3
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.96	3.22	3.05	3.18	3.00	3.17	3.03	2.95	2.85
COP					3.37	3.43	3.31	3.44	3.33	3.38	3.23	3.20	3.13
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	261	286		393	392	546		644	749
	Operation weight			kg	262	288		396	395	551		650	757
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
		Heating	Nom.	l/s	0.8	1.0	1.2	1.5	1.9		2.4	3.0	4.1
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
		Heating	Nom.	kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8	20.4	19.1
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800	900	700	900	700	900	800	900	
Sound power level	Cooling	Nom.		dBA	76.0	78.0	79.0	80.0		81.0	83.0	85.0	
Sound pressure level	Cooling	Nom.		dBA	59.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0	
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request



EWYT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWYT-CZH

Heating & Cooling				EWYT	016CZH-A1	021CZH-A1	025CZH-A1	032CZH-A1	040CZH-A1	040CZH-A2	050CZH-A2	064CZH-A2	090CZH-A2
Space cooling	A Condition 35°C	Pdc		kW	16.1	21.1	25.8	32.7	39.9	41.7	51.1	64.3	88.7
		ηs,c		%	205	210	211	224	210	227	213	208	202
SEER					5.20	5.32	5.34	5.67	5.34	5.76	5.40	5.27	5.12
Space heating	Average climate water outlet 35°C	General	SCOP		3.88	4.06	4.08	4.11	4.13	4.14	4.09	3.94	4.00
			Seasonal space heating eff. class		A++								
Cooling capacity	Nom.			kW	16.2	21.2	25.9	32.8	40.1	41.8	51.3	64.5	88.9
Heating capacity	Nom.			kW	15.5	19.8	24.5	32.0	38.9	39.9	49.4	61.3	85.2
Power input	Cooling	Nom.		kW	5.60	6.70	8.70	10.4	13.5	13.3	17.0	22.0	31.2
	Heating	Nom.		kW	4.80	6.00	7.60	9.50	11.9	12.0	15.4	19.3	27.4
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.89	3.15	2.98	3.14	2.97	3.15	3.02	2.93	2.85
COP					3.24	3.31	3.22	3.37	3.28	3.33	3.20	3.17	3.12
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	261	286		393	392	546		644	749
	Operation weight			kg	262	288		396	395	551		650	757
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
		Heating	Nom.	l/s	0.8	1.0	1.2	1.5	1.9		2.4	3.0	4.1
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
		Heating	Nom.	kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8	20.4	19.1
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800	900	700	900	700	900	800	900	
Sound power level	Cooling	Nom.		dBA	76.0	78.0	79.0	80.0		81.0	83.0	85.0	
Sound pressure level	Cooling	Nom.		dBA	59.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0	
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

Air cooled screw chiller with free cooling, high efficiency, standard/low sound

- Free cooling chiller for space cooling and industrial processes
- Stepless single-screw compressor
- Greater energy savings and reduced CO_2 emissions during cold season
- Wide operating range: NEW OPTION 187 (high evaporator leaving temperature up to 25°C)
- MicroTech 4 controller with superior control logic and easy interface



EWAD-CFXS/XL/XR

Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-CFXS

EWAD-CFXL

Cooling only				EWAD-CFXS/XL	640	770	850	900	C10	C11	C12	C13	C14	C15	C16
Cooling capacity	Nom.			kW	640 (1) / 415 (2)	772 (1) / 510 (2)	852 (1) / 583 (2)	902 (1) / 612 (2)	1,027 (1) / 701 (2)	1,089 (1) / 734 (2)	1,269 (1) / 902 (2)	1,349 (1) / 957 (2)	1,435 (1) / 963 (2)	1,493 (1) / 1,013 (2)	1,555 (1) / 1,039 (2)
Power input	Cooling	Nom.		kW	257 (1) / 53.7 (2)	272 (1) / 62.0 (2)	293 (1) / 64.7 (2)	324 (1) / 69.8 (2)	360 (1) / 75.7 (2)	399 (1) / 83.4 (2)	397 (1) / 86.4 (2)	439 (1) / 92.8 (2)	454 (1) / 101 (2)	492 (1) / 109 (2)	530 (1) / 115 (2)
Capacity control	Method				Stepless										
	Minimum capacity			%	12.5										
EER					2.49 (1) / 11.91 (2)	2.84 (1) / 12.44 (2)	2.90 (1) / 13.17 (2)	2.78 (1) / 12.93 (2)	2.85 (1) / 13.56 (2)	2.73 (1) / 13.05 (2)	3.19 (1) / 14.68 (2)	3.08 (1) / 14.55 (2)	3.16 (1) / 14.21 (2)	3.04 (1) / 13.72 (2)	2.93 (1) / 13.50 (2)
IPLV					3.86	4.03	4.10	4.05	4.00	3.95	4.36	4.25	4.36	4.35	4.26
Dimensions	Unit	Height		mm	2,565										
		Width		mm	2,480										
		Length		mm	6,300	7,200	8,100		9,000		10,800				
Weight (XS)	Unit			kg	7,760	8,340	8,900		10,160	10,420	11,900		12,540	12,620	12,670
	Operation weight			kg	8,515	9,100	9,705		11,169	11,429	13,276		14,516	14,596	14,646
Weight (XL)	Unit			kg	8,050	8,620	9,190		10,450	10,710	12,190		12,830	12,910	12,960
	Operation weight			kg	8,795	9,390	9,995		11,459	11,719	13,566		14,806	14,886	14,936
Water heat exchanger	Type				Single pass shell & tube										
	Water flow rate	Cooling	Nom.	l/s	27.8 (1) / 27.8 (2)	33.5 (1) / 33.5 (2)	37.0 (1) / 37.0 (2)	39.2 (1) / 39.2 (2)	44.6 (1) / 44.6 (2)	47.3 (1) / 47.3 (2)	55.1 (1) / 55.1 (2)	58.6 (1) / 58.6 (2)	62.4 (1) / 62.4 (2)	64.9 (1) / 64.9 (2)	67.6 (1) / 67.6 (2)
	Water pressure drop	Cooling	Nom.	kPa	85 (1) / 128 (2)	105 (1) / 172 (2)	90 (1) / 178 (2)	101 (1) / 198 (2)	111 (1) / 245 (2)	124 (1) / 272 (2)	98 (1) / 232 (2)	110 (1) / 259 (2)	139 (1) / 305 (2)	150 (1) / 328 (2)	162 (1) / 354 (2)
	Water volume			l	741	771	808		1,012		1,372		1,965		
Air heat exchanger	Type				High efficiency fin and tube type										
Compressor	Type				Asymmetric single screw compressor										
	Quantity				2										
Fan	Type				Direct propeller										
	Air flow rate	Nom.		l/s	50,368	60,441	70,515		80,588		95,253				
Sound power level (XS)	Cooling	Nom.		dBA	100		101			102		103			
Sound power level (XL)	Cooling	Nom.		dBA	96	97			98		99				
Sound pressure level (XS)	Cooling	Nom.		dBA	79	80				81	80				
Sound pressure level (XL)	Cooling	Nom.		dBA	76	77									
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20~45										
	Water side	Cooling	Min.~Max.	°CDB	-8~25										
Refrigerant	Type/GWP				R-134a/1,430										
	Circuits	Quantity			2										
Refrigerant charge				kg/TCO2Eq	64.0/91.5	73.0/104.4	81.0/115.8		91.0/130.1		107.0/153.0		112.5/160.9	124.0/177.3	
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm				219.1mm				273mm		
Unit	Starting current	Max		A	605	619	658		924	971	1,030			1,073	1,086
	Running current	Cooling	Nom.	A	404	430	467	515	568	628	636	701	720	773	825
		Max		A	476	510	561	605	672	731	811	875		929	982
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

(1) Cooling: entering evaporator water temp. 16°C; leaving evaporator water temp. 10°C; ambient air temp. 35°C; full load operation.
(2) Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C.

Air cooled screw chiller with free cooling, high efficiency, reduced sound

- Free cooling chiller for space cooling and industrial processes
- Stepless single-screw compressor
- Greater energy savings and reduced CO_2 emissions during cold season
- Wide operating range: NEW OPTION 187 (high evaporator leaving temperature up to 25°C)
- MicroTech 4 controller with superior control logic and easy interface



EWAD-CFXS/XL/XR

Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-CFXR

Cooling Only				EWAD-CFXR	600	740	820	870	980	C10	C11	C12	C13	C14	C15
Cooling capacity	Nom.			kW	602 (1) / 374 (2)	739 (1) / 468 (2)	821 (1) / 539 (2)	866 (1) / 562 (2)	981 (1) / 644 (2)	1,034 (1) / 670 (2)	1,229 (1) / 825 (2)	1,302 (1) / 866 (2)	1,374 (1) / 889 (2)	1,424 (1) / 909 (2)	1,476 (1) / 929 (2)
Power input	Cooling	Nom.		kW	263 (1) / 46.6 (2)	278 (1) / 56.2 (2)	299 (1) / 58.5 (2)	334 (1) / 63.1 (2)	368 (1) / 68.5 (2)	412 (1) / 74.4 (2)	403 (1) / 80.0 (2)	450 (1) / 87.5 (2)	466 (1) / 93.4 (2)	511 (1) / 103 (2)	556 (1) / 109 (2)
Capacity control	Method				Stepless										
	Minimum capacity			%	12.5										
EER					2.29 (1) / 12.91 (2)	2.66 (1) / 13.17 (2)	2.75 (1) / 14.04 (2)	2.59 (1) / 13.71 (2)	2.67 (1) / 14.33 (2)	2.51 (1) / 13.89 (2)	3.05 (1) / 15.36 (2)	2.90 (1) / 14.87 (2)	2.95 (1) / 14.7 (2)	2.79 (1) / 13.85 (2)	2.66 (1) / 13.56 (2)
IPLV					4.09	4.15	4.16	4.20	4.10	4.08	4.42	4.37	4.42		4.28
Dimensions	Unit	Height		mm	2,565										
		Width		mm	2,480										
		Depth		mm	6,300	7,200	8,100		9,000		10,800				
Weight	Unit			kg	8,050	8,620	9,190		10,450	10,710	12,190		12,830	12,910	12,960
	Operation weight			kg	8,795	9,390	9,995		11,459	11,719	13,566		14,806	14,886	14,936
Water heat exchanger	Type				Single pass shell & tube										
	Water flow rate	Cooling	Nom.	l/s	26.2 (1) / 26.2 (2)	32.1 (1) / 32.1 (2)	35.7 (1) / 35.7 (2)	37.6 (1) / 37.6 (2)	42.6 (1) / 42.6 (2)	44.9 (1) / 44.9 (2)	53.4 (1) / 53.4 (2)	56.6 (1) / 56.6 (2)	59.7 (1) / 59.7 (2)	61.9 (1) / 61.9 (2)	64.1 (1) / 64.1 (2)
	Water pressure drop	Cooling	Nom.	kPa	76 (1) / 115 (2)	97 (1) / 159 (2)	84 (1) / 167 (2)	93 (1) / 184 (2)	102 (1) / 225 (2)	113 (1) / 248 (2)	92 (1) / 219 (2)	103 (1) / 243 (2)	128 (1) / 282 (2)	137 (1) / 301 (2)	146 (1) / 321 (2)
	Water volume			l	741	771	808		1,012		1,372		1,965		
Air heat exchanger	Type				High efficiency fin and tube type										
Compressor	Type				Asymm single screw										
	Quantity				2										
Fan	Type				Direct propeller										
	Quantity				10	12	14		16		20				
	Air flow rate	Nom.		l/s	38,935	46,722	54,508		62,295		73,011				
	Speed			rpm	715										
Sound power level	Cooling	Nom.		dBA	92				94		95				
Sound pressure level	Cooling	Nom.		dBA	71	72				73	72			73	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20~45										
	Water side	Cooling	Min.~Max.	°CDB	-8~25										
Refrigerant	Type/GWP				R-134a/1,430										
	Circuits	Quantity			2										
Refrigerant charge	Per circuit			kg	64.0	73.0	81.0		91.0		107.0		112.5	124.0	
	Per circuit			TCO2Eq	91.5	104.4	115.8		130.1		153.0		160.9	177.3	
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm				219.1mm				273mm		
Unit	Starting current	Max		A	598	611	648		912	960	1,016			1,059	1,072
	Running current	Cooling	Nom.	A	411	439	473	526	580	647	645	717	738	800	862
		Max		A	462	493	542	585	649	708	783	847		901	954
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

(1) Cooling: entering evaporator water temp. 16°C; leaving evaporator water temp. 10°C; ambient air temp. 35°C; full load operation.
(2)Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C.





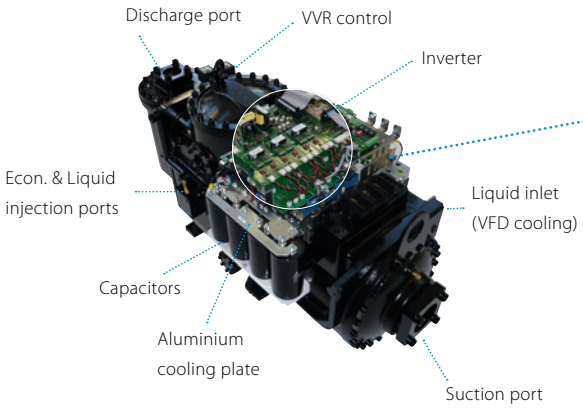
EWA(H)(D)-TZB/C screw inverter chiller High efficiency in comfort and process cooling

Over 1,000 sites around the world with screw chillers installed is demonstrating that we will never stop developing the most advanced technology with highest quality level to offer the best chiller experience to our customers.

EWA(H)(D)-TZB/C at a glance

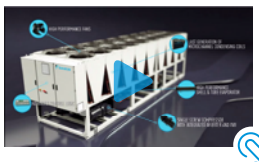
› Full inverter air cooled chiller
› Capacity range from 190kW to 2,000kW for series with R134a
› Capacity range from 170kW to 1,500kW for series with R1234ze
› Daikin single screw compressor with integrated inverter
› Best efficiency at full load and part load conditions





Check on YouTube
www.youtube.com/DaikinEurope

› Daikin EWAD-TZB Screw Inverter Chiller



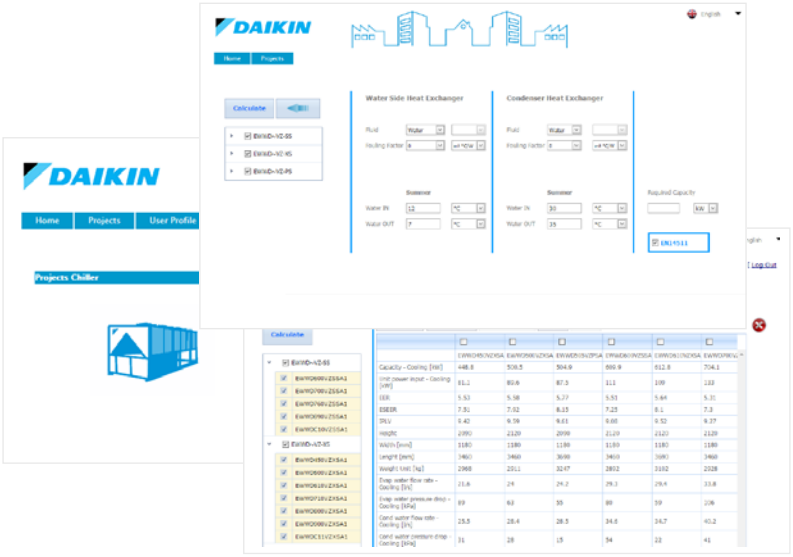
Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on:
http://tools.daikinapplied.eu/



Why choose EWA(H)(D)-TZB/C?

High efficiencies both at full load and part load:

› Daikin compressor with in-built inverter for optimized efficiency
› In-house developed software with dynamic condensing pressure management and innovative economizer control logic

Rapid return on investment

› Payback of three years, compared to a non-inverter unit for comfort cooling applications
› Less than one year a for process cooling applications

Perfect comfort level

› Infinitely variable load regulation
› Precise leaving water temperature control thanks to stepless regulation

Compact design

› More compact heat exchanger with superior efficiencies
› Reduced electrical panel dimensions thanks to the inverter compressor mounted

Lowest sound levels

› Down to 87 dB(A) sound power at full load and even lower at part load thanks to fans and compressors variable speed
› Quiet compressor thanks to special acoustic executions
› Unique Daikin fans design with reduced noise impact and vibrations

Unrivaled and proven reliability

› Extensive testing of chillers and components in laboratories, Daikin factories and selected job sites - even at extreme working conditions
› Reduced energy demand without compromising on reliability and performance

Extensive option list

More than 60 different options are available to fit the EWA(H)(D)-TZB/C chiller to fit to your requirements:
› Rapid restart after power failure
› Variable speed water pumps to optimise the working efficiency
› Total heat recovery: 80 to 85% of the total heat rejection of the chiller can be recovered
› Partial heat recovery: 15 to 20% of the total heat rejection of the chiller can be recovered
› Refrigerant leak detection

Performance monitoring

With MT4, advanced algorithm implementation in the unit controller are possible, such as the **Performance Monitoring** (Option 186). This sensor-less algorithm calculates the unit cooling capacity by using refrigerant pressure and temperature readings. Electrical power is calculated either from compressor VFD power and fan, or directly measured through optional energy meter. As a standard(*), **no extra-hardware is required**.

(*) For TZ-B units an additional sub-cooling temperature sensor is required.

INVERTER

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- Optimized energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability



EWAD-TZB Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZSSB EWAD-TZSLB

Cooling Only				EWAD-TZSSB/SLB	160	190	240	270	300	360	380	455	500	570	610	660	700	820	900	990	C10	C11
Space cooling	A Condition 35°C	Pdc		kW	169.1	200.88	235.29	268.82	305.99	351.41	394.74	455.64	499.81	569.52	612.22	660.72	700.94	815.92	889.95	987.19	1,045.39	1,103.99
	ηs,c			%	168.2	172.6	169.4	175.4	177	183	172.6	171.4	175	180.2	189.8	182.6	185.4	197.4	194.2	200.6	200.2	200.6
SEER					4.28	4.39	4.31	4.46	4.5	4.65	4.39	4.63	4.65	4.58	4.82	4.64	4.71	5.01	4.93	5.09	5.08	5.09
Cooling capacity	Nom.			kW	169.1	200.9	235.3	268.8	306	351.4	394.7	455.6	499.8	569.5	612.2	660.7	700.9	816	890	987	1,045	1,104
Power input	Cooling	Nom.		kW	56.48	69.9	82.99	89.94	108.6	118	139.4	163.8	174.6	198.1	217.6	239	249.1	257.9	296.1	321.3	346.4	366.2
Capacity control	Minimum capacity			%	37	31	34	29	25	24	16	17	16	14	13	12		10				
EER					2.995	2.874	2.835	2.989	2.817	2.954	2.832	2.783	2.862	2.876	2.813	2.764	2.813	3.164	3.005	3.072	3.017	3.015
ESEER					4.37	4.46	4.3	4.4	4.42	4.5	4.46	4.44	4.49	4.54	4.59	4.63	4.7	4.43		4.44		4.51
IPLV					5.3	5.27	5.04	5.19	5.37	5.53	5.34	5.3	5.46	5.64	5.62		5.7	5.29	5.26	5.25	5.26	5.27
Dimensions	Unit	Height		mm	2,540																	
		Width		mm	2,282																	
		Depth		mm	2,330			3,230			4,130		5,030	5,887			6,786	6,877		7,787	8,687	9,587
Weight (SSB)	Unit			kg	2,066	2,091	2,149	2,375	2,422	2,771	4,044	4,060	4,317	4,603	4,780	4,804	5,074	6,282	6,382	6,777	7,132	7,410
	Operation weight			kg	2,086	2,117	2,187	2,401	2,460	2,821	4,202	4,224	4,475	4,761	5,050	5,059	5,329	6,532	6,632	7,027	7,382	7,660
Weight (SLB)	Unit			kg	2,081	2,106	2,164	2,390	2,437	2,786	4,074	4,090	4,347	4,633	4,810	4,834	5,104	6,282	6,382	6,777	7,132	7,410
	Operation weight			kg	2,101	2,132	2,202	2,416	2,475	2,836	4,232	4,254	4,505	4,791	5,080	5,089	5,359	6,532	6,632	7,027	7,382	7,660
Water heat exchanger	Type				Plate heat exchanger						Shell and tube											
	Water volume			l	20.25	26.1	37.35	26.1	37.35	49.5	158	164	158		270	255		283	485			453
	Water flow rate	Cooling	Nom.	l/s	8.1	9.6	11.2	12.9	14.6	16.8	18.9	21.8	23.9	27.3	29.3	31.6	33.5	39.1	42.6	47.2	50	52.8
	Water pressure drop	Cooling	Nom.	kPa	25	19.3	15.4	32.6	25.2	25.9		32.4	44	55.7	38.8	32.3	36	52.6	36.9	42.2	46.6	37.3
Air heat exchanger	Type				Microchannel																	
Compressor	Type				Driven vapour compression																	
	Quantity				1						2											
Fan	Type				Direct propeller																	
	Quantity				4			6		8			10	12			14			16	18	20
	Air flow rate	Nom.		l/s	15,109			22,664		30,219			37,774	45,328			52,883	69,177		79,060	88,942	98,825
	Speed			rpm	700													900				
Sound power level (SSB)	Cooling	Nom.		dBA	96			97	98	99				100	101	102	105	102			103	
Sound power level (SLB)	Cooling	Nom.		dBA	90	91		92	93	94				95	96	97		99			100	
Sound pressure level (SSB)	Cooling	Nom.		dBA	77			78		79				80		82	84	81				
Sound pressure level (SLB)	Cooling	Nom.		dBA	71	72		73		74					75	76	77	78				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18 ~50													-18~45				
	Water side	Cooling	Min.~Max.	°CDB	-8~18													-15~20				
Refrigerant	Type/GWP				R-134a/1,430																	
	Charge			kg	27	29	33	38	41	52	58	59	68	75	77	83	90	91		104	117	130
	Circuits	Quantity			1						2											
Refrigerant charge	Per circuit			TCO2Eq	38.6	41.5	47.2	54.3	58.6	74.4	41.5	42.2	48.6	53.6	55.1	59.3	64.4	65.1		74.4	83.7	93.0
Piping connections	Evaporator water inlet/outlet (OD)				3"			4"			5"					6"		168.3 mm	219.1mm				
Unit	Running current	Cooling	Nom.	A	102	123	188	177	188	200	246	372	366	361	377	396	414	429	501	528	563	597
		Max		A	130	149	160	187	220	246	298	320	350	374	439	466	486	537	599	652	708	768
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																	

performances according to CSS software 10.27

INVERTER

Air cooled screw inverter chiller, standard efficiency, reduced sound

- Optimized energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability



EWAD-TZB Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZSRB

Cooling Only				EWAD-TZSRB	160	190	240	270	300	360	380	455	500	570	610	660	700	820	900	990	C10	C11
Space cooling	A Condition 35°C	Pdc		kW	169.1	200.88	235.29	268.82	305.99	351.41	394.01	454.57	499.14	568.6	610.43	658.99	699.87	799.95	894.94	956.14	1,013.27	1,067.02
	ηs,c			%	168.2	172.6	169.4	175.4	177	183	172.2	170.6	174.2	179.4	188.6	181.8	184.6	215	213.4	213.8	216.2	217.8
SEER					4.28	4.39	4.31	4.46	4.5	4.65	4.38	4.63	4.64	4.56	4.79	4.62	4.69	5.45	5.41	5.42	5.48	5.52
Cooling capacity	Nom.			kW	169.1	200.9	235.3	268.8	306	351.4	394	454.6	499.1	568.6	610.4	659	699.9	800	895	956	1,013	1,067
Power input	Cooling	Nom.		kW	56.48	69.9	82.99	89.94	108.6	118	140.2	164.8	175.4	199.1	218.4	240.3	250.3	247.8	294.1	316	335.6	358.9
Capacity control	Minimum capacity			%	37	31	34	29	25	24	16	17	16	14	13	12		10				
EER					2.995	2.874	2.835	2.989	2.817	2.954	2.81	2.759	2.846	2.856	2.795	2.742	2.796	3.229	3.043	3.016	3.018	2.973
ESEER					4.37	4.46	4.3	4.4	4.42	4.5	4.44	4.43	4.47	4.53	4.61	4.6	4.68	4.8		4.85	4.83	4.98
IPLV					5.3	5.27	5.04	5.19	5.37	5.53	5.3	5.26	5.43	5.6	5.61	5.6	5.67	5.92	5.74	5.77	5.75	5.86
Dimensions	Unit	Height		mm	2,540																	
		Width		mm	2,282																	
		Length		mm	2,330			3,230			4,130		5,030	5,887			6,786	7,787		8,687	9,587	10,488
Weight	Unit			kg	2,166	2,191	2,249	2,475	2,522	2,871	4,244	4,260	4,517	4,803	4,980	5,004	5,274	6,997	7,097	7,452	7,730	8,023
	Operation weight			kg	2,186	2,217	2,287	2,501	2,560	2,921	4,402	4,424	4,675	4,961	5,250	5,259	5,529	7,247	7,347	7,702	7,980	8,273
Water heat exchanger	Type				Plate heat exchanger						Shell and tube											
	Water volume			l	20.25	26.1	37.35	26.1	37.35	49.5	158	164	158		270	255		283	485			453
	Water flow rate	Cooling	Nom.	l/s	8.1	9.6	11.2	12.9	14.6	16.8	18.8	21.7	23.9	27.2	29.2	31.5	33.5	38.3	42.8	45.7	48.5	51
	Water pressure drop	Cooling	Nom.	kPa	25	19.3	15.4	32.6	25.2	25.9	25.8	32.2	43.9	55.5	38.6	32.2	35.9	52.1	36.3	41	45.6	36.3
Air heat exchanger	Type				Microchannel																	
Compressor	Type				Driven vapour compression																	
	Quantity				1						2											
Fan	Type				Direct propeller																	
	Quantity				4			6		8			10	12		14	16		18	20	22	
	Air flow rate	Nom.		l/s	15,109			22,664		30,219	29,650		36,920	44,475		51,745	59,299		66,570	74,124	81,394	
	Speed			rpm	700																	
Sound power level	Cooling	Nom.		dBA	86	87		88		90				91	92	94			95			
Sound pressure level	Cooling	Nom.		dBA	67	68		69		70					71	73						
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50													-18~45				
	Water side	Cooling	Min.~Max.	°CDB	-8~18													-15~20				
Refrigerant	Type/GWP				R-134a/1,430																	
	Charge			kg	27	29	33	38	41	52	58	59	68	75	77	83	90	104		117	130	143
	Circuits	Quantity			1						2											
Refrigerant charge	Per circuit			TCO2Eq	38.6	41.5	47.2	54.3	58.6	74.4	41.5	42.2	48.6	53.6	55.1	59.3	64.4	74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)				3"			4"			5"				6"			168.3 mm	219.1mm			
Unit	Running current	Cooling	Nom.	A	102	123	188	177	188	200	247	374	368	363	378	398	416	422	496	530	561	599
		Max		A	130	149	160	187	220	246	298	320	350	374	439	466	486	523	585	635	688	745
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																	

performances according to CSS software 10.27

INVERTER

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EWAD-TZB

Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZXSB

EWAD-TZXLB

Cooling Only				EWAD-TZXSB/XLB	190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11
Space cooling (XSB)	A Condition 35°C	Pdc		kW	180.41	211.34	239.54	203	202.6	195.4	198.2	199.8	201	563.39	599.41	639.37	678.22	763.88	850.16	911.93	1,001.2	1,045.43
	ηs,c			%	195	198.6	195.4	5.15	5.14	4.96	5.03	5.07	5.1	198.6	203.8	206.2	205.4	228.6	226.6	233.4	243	237
Space cooling (XLB)	A Condition 35°C	Pdc		kW	180.41	211.34	239.54	276.79	313.2	360.56	417.27	472.59	528.99	563.39	599.41	639.37	678.22	763.88	850.16	911.93	1,001.2	1,045.43
	ηs,c			%	195	198.6	195.4	203	202.6	195.4	198.2	199.8	201	198.6	203.8	206.2	205.4	228.6	226.6	233.4	243	237
SEER					4.95	5.04	4.96	5.15	5.14	4.96	5.03	5.07	5.1	5.04	5.17	5.23	5.21	5.79	5.74	5.91	6.15	6
Cooling capacity	Nom.			kW	180.4	211.3	239.5	276.8	313.2	360.6	417.3	472.6	529	563.4	599.4	639.4	678.2	764	850	912	1,001	1,045
Power input	Cooling	Nom.		kW	52.13	63.22	72.5	83.87	100.2	109.1	132.2	144.9	163.5	181.1	191.7	202.1	219.8	226.5	266.1	275.8	303.4	320.1
Capacity control	Minimum capacity			%	34	29	34	29	25	17	16	17	16	15	14	13		10				
EER					3.46	3.343	3.304	3.3	3.127	3.304	3.156	3.261	3.236	3.111	3.127	3.164	3.085	3.374	3.195	3.306	3.3	3.265
ESEER					5.11	5.06	4.99	5.09	5.13	5.14	5.09	5	5.07		5.11	5.15		5.09		5.13	5.15	5.22
IPLV					6.26	6.15	6.19	6.17		6.4	6.3	6.22		6.29	6.31	6.25	6.21	6.26	6.08	6.19	6.29	6.24
Dimensions	Unit	Height		mm	2,540																	
		Width		mm	2,282																	
		Length		mm	3,230			4,130		5,030		5,887			6,786	7,684		7,787		8,687	9,587	10,488
Weight (XSB)	Unit			kg	2,362	2,409	2,421	2,770		4,292		4,602	4,800		5,072	5,425		6,677	6,777	7,132	7,410	7,703
	Operation weight			kg	2,388	2,447	2,459	2,820		4,450		4,760	5,055		5,327	5,680		6,927	7,027	7,382	7,660	7,953
Weight (XLB)	Unit			kg	2,377	2,424	2,436	2,785		4,322		4,632	4,830		5,102	5,455		6,677	6,777	7,132	7,410	7,703
	Operation weight			kg	2,403	2,462	2,474	2,835		4,480		4,790	5,085		5,357	5,710		6,927	7,027	7,382	7,660	7,953
Water heat exchanger	Type				Plate heat exchanger					Shell and tube												
	Water volume			l	26.1	37.35		49.5		158			255					301	485			453
	Water flow rate	Cooling	Nom.	l/s	8.6	10.1	11.5	13.2	15	17.3	20	22.6	25.3	27	28.7	30.6	32.4	36.6	40.7	43.6	47.9	50
	Water pressure drop	Cooling	Nom.	kPa	16.4	13.2	16.2	17.1	21	34.3	31.2	39.7	36.7	41.1	27.1	30.5	33.3	40.5	33.5	37.5	42.4	34.3
Air heat exchanger	Type				Microchannel																	
Compressor	Type				Driven vapour compression																	
	Quantity				1					2												
Fan	Type				Direct propeller																	
	Quantity				6			8		10		12		14	16				18	20	22	
	Air flow rate	Nom.		l/s	22,664			30,219		37,774		45,328		52,883	60,438				67,993	75,547	83,102	
	Speed			rpm	700																	
Sound power level (XSB)	Cooling	Nom.		dBA	96	97	96	-						100	101							102
Sound power level (XLB)	Cooling	Nom.		dBA	91	92	91	92	93	94				95	96			97				
Sound pressure level (XSB)	Cooling	Nom.		dBA	77			78		79					80			79				
Sound pressure level (XLB)	Cooling	Nom.		dBA	72			73	74	73			74					75				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55													-18~53				
	Water side	Cooling	Min.~Max.	°CDB	-8~18													-15~20				
Refrigerant	Type/GWP (XSB)				R-134a/1,430			R-134a/-						R-134a/1,430								
	Type/GWP (XLB)				R-134a/1,430																	
	Charge			kg	36	39	40	51		64		74	80	89	96			104		117	130	143
	Circuits	Quantity			1					2												
Refrigerant charge	Per circuit			TCO2Eq	51.5	55.8	57.2	72.9		45.8		52.9	57.2	63.6	68.6			74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)				3"			4"		5"			6"					168.3 mm	219.1mm			
Unit	Running current	Cooling	Nom.	A	110	113		186	192	225	231	371.0	383	392	390	387	395	394	451	469	500	537
		Max		A	130	149	166	198	225	256	292	333	358	385	417	450	478	508	562	590	640	694
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																	

performances according to CSS software 10.27

INVERTER

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EWAD-TZB

Microtech 4

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EWAD-TZXRB

Cooling Only				EWAD-TZXRB	190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11
Space cooling	A Condition 35°C	Pdc		kW	180.41	211.34	239.54	276.79	313.2	360.28	416.8	472.11	528.32	562.28	598.77	638.64	677.38	763.85	850.14	911.93	1,001.2	1,045.41
	ηs,c			%	195	198.6	195.4	203	202.6	194.6	198.2	199	200.2	198.2	202.6	205	204.6	229.8	229.4	233.4	244.2	237.8
SEER					4.95	5.04	4.96	5.15	5.14	4.94	5.03	5.05	5.08	5.03	5.14	5.2	5.19	5.82	5.81	5.91	6.18	6.02
Cooling capacity	Nom.			kW	180.4	211.3	239.5	276.8	313.2	360.3	416.8	472.1	528.3	562.3	598.8	638.6	677.4	764	850	912	1,001	1,045
Power input	Cooling	Nom.		kW	52.13	63.22	72.5	83.87	100.2	109.5	132.1	145.6	164.3	181.9	192.5	202	220.9	226.5	266.8	275.4	303.1	320.6
Capacity control	Minimum capacity			%	34	29	34	29	25	17	16	17	16	15	14	13		10				
EER					3.46	3.343	3.304	3.3	3.127	3.29	3.156	3.243	3.215	3.092	3.111	3.146	3.067	3.373	3.186	3.311	3.302	3.26
ESEER					5.11	5.06	4.99	5.09	5.13	5.12	5.09	4.99	5.04	5.05	5.13		5.07	5.09		5.13	5.15	5.22
IPLV					6.26	6.15	6.19	6.17		6.37	6.3	6.2		6.26	6.27	6.24	6.18	6.26	6.08	6.19	6.29	6.24
Dimensions	Unit	Height		mm	2,540																	
		Width		mm	2,282																	
		Length		mm	3,230			4,130		5,030		5,887			6,786	7,684		7,787		8,687	9,587	10,488
Weight	Unit			kg	2,462	2,509	2,521	2,870		4,492		4,802	5,000		5,272	5,625		6,997	7,097	7,452	7,730	8,023
	Operation weight			kg	2,488	2,547	2,559	2,920		4,650		4,960	5,255		5,527	5,880		7,247	7,347	7,702	7,980	8,273
Water heat exchanger	Type				Plate heat exchanger					Shell and tube												
	Water volume			l	26.1	37.35		49.5		158			255					301	485			453
	Water flow rate	Cooling	Nom.	l/s	8.6	10.1	11.5	13.2	15	17.2	19.9	22.6	25.3	26.9	28.6	30.5	32.4	36.6	40.7	43.6	47.9	50
	Water pressure drop	Cooling	Nom.	kPa	16.4	13.2	16.2	17.1	21	34.2	31.1	39.7	36.6	41	27.1	30.4	33.2	40.3	33.3	37.3	42.3	34.2
Air heat exchanger	Type				Microchannel																	
Compressor	Type				Driven vapour compression																	
	Quantity				1					2												
Fan	Type				Direct propeller																	
	Quantity				6			8		10		12			14	16				18	20	22
	Air flow rate	Nom.		l/s	22,664			30,219		36,920		44,475			51,745	59,299				66,570	74,124	81,394
	Speed			rpm	700																	
Sound power level	Cooling	Nom.		dBA	88			89		90		91				92		94		95		
Sound pressure level	Cooling	Nom.		dBA	68			69		70						71		73				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55													-18~53				
	Water side	Cooling	Min.~Max.	°CDB	-8~18													-15~20				
Refrigerant	Type/GWP				R-134a/1,430																	
	Charge			kg	36	39	40	51		64		74	80		89	96		104		117	130	143
	Circuits	Quantity			1					2												
Refrigerant charge	Per circuit			TCO2Eq	51.5	55.8	57.2	72.9		45.8		52.9	57.2		63.6	68.6		74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)				3"			4"		5"			6"					168.3 mm	219.1mm			
Unit	Running current	Cooling	Nom.	A	110	113	186		192	226	231	373.0	385	393	391	389	396	395	453	471	502	539
		Max		A	130	149	166	198	225	256	292	333	358	385	417	450	478	508	562	590	640	694
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																	

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EWAD-TZB | Microtech 4

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EWAD-TZPSB | EWAD-TZPLB

Cooling Only					EWAD-TZPSB/PLB	190	220	240	290	300	350	420	495	550	620	720	820	950
Space cooling	A Condition 35°C	Pdc		kW		183.62	216.12	244.42	281.93	323.37	378.96	437.31	501.15	543.03	620	717	832.86	949.85
	ηs,c			%		204.6	210.2	208.6	209	217	207	211.4	221.8	219	241.4	245.8	249	249.4
SEER						5.19	5.33	5.29	5.3	5.5	5.25	5.36	5.62	5.55	6.11	6.22	6.3	6.31
Cooling capacity	Nom.			kW		183.6	216.1	244.4	281.9	323.4	379	437.3	501.2	543	620	717	833	950
Power input	Cooling	Nom.		kW		50.48	60.72	68.74	83.43	95.89	104.6	124.9	139.1	151.4	178.8	182.3	220.4	252.5
Capacity control	Minimum capacity			%		34	29	34	29	27	19	20	17	10				
EER						3.637	3.559	3.555	3.379	3.372	3.623	3.502	3.603	3.586	3.468	3.933	3.78	3.763
ESEER						5.54	5.51	5.42	5.4	5.35	5.48		5.45	5.5	5.42	5.59	5.54	5.55
IPLV						6.49	6.35	6.41	6.35	6.21	6.52	6.58	6.55	6.51	6.47	6.73	6.6	6.64
Dimensions	Unit	Height		mm		2,540												
		Width		mm		2,282												
		Length		mm		4,130				5,030	5,887	6,786	7,684	8,579	9,480	9,587	10,488	11,387
Weight (PSB)	Unit			kg		2,758		2,769	2,770	3,020	4,735	5,069	5,077	6,527	6,555	7,650	7,943	8,240
	Operation weight			kg		2,808		2,819	2,820	3,070	4,990	5,324	5,332	6,777	6,805	7,900	8,193	8,490
Weight (PLB)	Unit			kg		2,773		2,784	2,785	3,035	4,765	5,099	5,107	6,527	6,555	7,650	7,943	8,240
	Operation weight			kg		2,823		2,834	2,835	3,085	5,020	5,354	5,362	6,777	6,805	7,900	8,193	8,490
Water heat exchanger	Type					Plate heat exchanger					Shell and tube							
	Water volume			l		49.5					255			307		485		453
	Water flow rate	Cooling	Nom.	l/s		8.8	10.3	11.7	13.5	15.5	18.1	20.9	24	26	29.6	34.3	39.8	45.4
	Water pressure drop	Cooling	Nom.	kPa		10.6	11	13.4	17.1	21.5	20.4	26.5	33.3	19.8	25	24.2	31.7	29
Air heat exchanger	Type					Microchannel												
Compressor	Type					Driven vapour compression												
	Quantity					1					2							
Fan	Type					Direct propeller												
	Quantity					8				10	12	14	16	18	20		22	24
	Air flow rate	Nom.		l/s		29,610				37,013	44,415	51,818	59,220	66,623	74,025		81,428	88,830
	Speed			rpm		700												
Sound power level (PSB)	Cooling	Nom.		dBA		97				98	99		100	101				
Sound power level (PLB)	Cooling	Nom.		dBA		91	92	91	92		94			97				
Sound pressure level (PSB)	Cooling	Nom.		dBA		77					78	77	78	79				
Sound pressure level (PLB)	Cooling	Nom.		dBA		71	72	71	72		73	72	73	75				
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~55										-18~53		
	Water side	Cooling	Min.~Max.	°CDB		-8~18										-15~20		
Refrigerant	Type/GWP					R-134a/1,430												
	Charge			kg		49		50	51	58	77	86	94	105	114	130	143	156
	Circuits	Quantity				1					2							
Refrigerant charge	Per circuit			TCO2Eq		70.1		71.5	72.9	82.9	55.1	61.5	67.2	75.1	81.5	93.0	102.2	111.5
Piping connections	Evaporator water inlet/outlet (OD)					3"		4"			6"			168.3 mm		219.1mm		
Unit	Running current	Cooling	Nom.	A		101	104	172	177		208	211	346	258	298	316	375	424
		Max		A		126	144	162	188	218	246	285	324	352	436	437	512	577
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400												

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EWAD-TZB | Microtech 4

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EWAD-TZPRB

Cooling Only				EWAD-TZPRB	190	220	240	290	300	350	420	495	550	620	720	820	950
Space cooling	A Condition 35°C	Pdc	kW		187.3	218.24	246.75	279.23	317.21	382.29	436.87	505.48	543.03	620.04	717	832.86	949.86
	ηs,c		%		208.6	212.2	210.6	207	212.2	208.2	210.2	221	218.2	219.8	248.6	249.4	251
SEER					5.29	5.38	5.34	5.25	5.38	5.28	5.33	5.6	5.53	5.57	6.29	6.31	6.35
Cooling capacity	Nom.		kW		187.3	218.2	246.8	279.2	317.2	382.3	436.9	505.5	543	620	717	833	950
Power input	Cooling	Nom.	kW		50.48	60.72	68.74	83.42	95.88	105.1	125.3	139.7	151.3	178.5	182.2	220.2	252.4
Capacity control	Minimum capacity		%		34	29	34	29	27	19	20	17	10				
EER					3.71	3.594	3.59	3.347	3.308	3.637	3.486	3.618	3.59	3.473	3.935	3.783	3.764
ESEER					5.55	5.52	5.27	5.16	5.2	5.32	5.21	5.38	5.5	5.42	5.59	5.54	5.55
IPLV					6.49	6.35	6.23	6.07	6.04	6.3	6.27	6.47	6.53	6.47	6.73	6.6	6.64
Dimensions	Unit	Height	mm		2,540												
		Width	mm		2,282												
		Length	mm		4,130				5,030	5,887	6,786	7,684	8,579	9,480	9,587	10,488	11,387
Weight	Unit		kg		2,858		2,869	2,870	3,120	4,935	5,269	5,277	6,677	6,705	7,970	8,263	8,560
	Operation weight		kg		2,908		2,919	2,920	3,170	5,190	5,524	5,532	6,927	6,955	8,220	8,513	8,810
Water heat exchanger	Type				Plate heat exchanger					Shell and tube							
	Water volume		l		49.5					255			307		485		453
	Water flow rate	Cooling	Nom. l/s		9	10.4	11.8	13.3	15.2	18.3	20.9	24.2	26	29.6	34.3	39.8	45.4
	Water pressure drop	Cooling	Nom. kPa		10.6	11	13.4	17.1	21.5	20.4	26.4	33.2	19.8	24.9	24.2	31.7	28.9
Air heat exchanger	Type				Microchannel												
Compressor	Type				Driven vapour compression												
	Quantity				1					2							
Fan	Type				Direct propeller												
	Quantity				8				10	12	14	16	18	20		22	24
	Air flow rate	Nom.	l/s		29,610				37,013	43,369	50,423	57,826	64,879	72,282		79,336	86,738
	Speed		rpm		700												
Sound power level	Cooling	Nom.	dBA		87	88	87	88		89	90		94	95			
Sound pressure level	Cooling	Nom.	dBA		67	68	67	68			69		73				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55										-18~53		
	Water side	Cooling	Min.~Max.	°CDB	-8~18										-15~20		
Refrigerant	Type/GWP				R-134a/1,430												
	Charge		kg		49		50	51	58	77	86	94	105	114	130	143	156
	Circuits	Quantity			1					2							
Refrigerant charge	Per circuit		TCO2Eq		70.1		71.5	72.9	82.9	55.1	61.5	67.2	75.1	81.5	93.0	102.2	111.5
Piping connections	Evaporator water inlet/outlet (OD)				3"		4"			6"			168.3 mm		219.1mm		
Unit	Running current	Cooling	Nom.	A	101	104	172	177		209	212	347	259	300	317	377	426
		Max		A	126	144	162	188	218	246	285	324	352	436	437	512	577
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400												

performances according to CSS software 10.27

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- Optimized energy efficiency both at full and part load conditions
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- Compact design for small footprint and minimized installation space



EWAH-TZSSB/SLB/SRB

Microtech III

More details and final information can be found by scanning or clicking the QR codes.

EWAH-TZSSB

EWAH-TZSLB

Cooling Only				EWAH-TZSSB/SLB	170	200	240	290	330	390	420	490	530	600
Space cooling	A Condition 35°C	Pdc		kW	170.68	199.73	240.35	293.87	326.19	393.7	421.46	490.52	528.28	598.77
	ηs,c			%	166.8	169.44	179.68	186.68	180.56	181.08	180.56	187.04	186.72	190.68
SEER					4.245	4.311	4.567	4.742	4.589	4.602	4.589	4.751	4.743	4.842
Cooling capacity	Nom.			kW	171	200	240	294	326	394	421	491	528	599
Power input	Cooling	Nom.		kW	55.4	69.4	83.3	97.5	115	131	146	170	188	212
Capacity control	Method				Variable									
	Minimum capacity			%	33.4	28.6	23.6	18.7		14.3	13.4	11.8	11.2	10
EER					3.08	2.88	2.89	3.02	2.82	2.99	2.88		2.8	2.82
IPLV					5.19	5.22	5.5	5.73	5.52	5.18	5.16	5.4	5.31	5.41
Dimensions	Unit	Height		mm	2,540									
		Width		mm	2,282									
		Length		mm	2,330		3,230			5,030		5,887		6,009
Weight	Unit			kg	2,160.6	2,170.6	2,449.4	2,559.4		4,170.2		4,634		5,619
	Operation weight			kg	2,186.7	2,207.95	2,486.75	2,608.9		4,329.2	4,323.2	4,890	4,867	5,867
Water heat exchanger	Type				Plate heat exchanger					Shell and tube				
	Water volume			l	26	37		50		159	153	256	233	248
	Water flow rate	Cooling	Nom.	l/s	8.2	9.5	11.5	14	15.6	18.8	20.1	23.4	25.2	28.6
	Water pressure drop	Cooling	Nom.	kPa	15.1	12.3	17.1	18.2	22	24.4	31.6	33.8	31.1	27.8
Air heat exchanger	Type				Microchannel									
Compressor	Type				Driven vapour compression									
	Quantity				1					2				
Fan	Type				Direct propeller									
	Quantity				4		6			10		12		
	Air flow rate	Nom.		l/s	17,448		26,172			43,620		52,344		
	Speed			rpm	760									
Sound power level (SSB)	Cooling	Nom.		dBA	97.07	97.53	100.19	101.14		100.59	101.02	103.19	105.6	104.14
Sound power level (SLB)					91.73	92.13	94.69	96.44		95.32	97.69		99.9	99.44
Sound pressure level (SSB)	Cooling	Nom.		dBA	78.10	78.60	80.7	81.70		80.2	80.60	82.40	84.8	83.40
Sound pressure level (SLB)					72.78	73.17	75.2	76.96		74.94	75.31	76.92	79.12	78.67
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50									
	Water side	Cooling	Min.~Max.	°CDB	-8~18									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	27.6		41.4			64.2		78		102
	Circuits	Quantity			1					2				
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm		114.3mm			139.7mm		168.3mm		
Unit	Running current	Cooling	Nom.	A	93.0	114.0	137.0	158.0	191.0	217.0	243.0	279.0	307.0	343.0
		Max		A	132.0	156.0	217.0	236.0	272.0	312.0	348.0	434.0	500.0	522.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw inverter chiller, standard efficiency, reduced sound

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EWAH-TZSSB/SLB/SRB



Microtech III

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EWAH-TZSRB

Cooling Only					EWAH-TZSRB	170	200	240	290	330	390	420	490	530	600
Space cooling	A Condition 35°C	Pdc			kW	170.68	199.73	240.35	293.87	326.19	393.39	421.08	489.94	527.57	597.68
	ηs,c				%	166.8	169.44	179.68	186.68	180.56	180.04	181.36	187.4	185.56	189.6
SEER						4.245	4.311	4.567	4.742	4.589	4.576	4.609	4.76	4.714	4.815
Cooling capacity	Nom.				kW	171	200	240	294	326	393	421	490	528	598
Power input	Cooling	Nom.			kW	55.4	69.4	83.3	97.5	115	132	146	171	189	214
Capacity control	Method					Variable									
	Minimum capacity				%	33.4	28.6	23.6	18.7		14.3	13.4	11.8	11.2	10
EER						3.08	2.88	2.89	3.02	2.82	2.98	2.87	2.86	2.78	2.79
IPLV						5.19	5.22	5.5	5.73	5.52	5.13	5.22	5.38	5.29	5.38
Dimensions	Unit	Height			mm	2,540									
		Width			mm	2,282									
		Length			mm	2,330		3,230			5,030		5,887		6,009
Weight	Unit				kg	2,260.6	2,270.6	2,549.4	2,719.4		4,370.2		4,834		5,939
	Operation weight				kg	2,286.7	2,307.95	2,586.75	2,768.9		4,529.2	4,523.2	5,090	5,067	6,187
Water heat exchanger	Type					Plate heat exchanger					Shell and tube				
	Water volume				l	26	37		50		159	153	256	233	248
	Water flow rate	Cooling	Nom.		l/s	8.2	9.5	11.5	14	15.6	18.8	20.1	23.4	25.2	28.6
	Water pressure drop	Cooling	Nom.		kPa	15.1	12.3	17.1	18.2	22	24.4	31.6	33.7	31	27.7
Air heat exchanger	Type					Microchannel									
Compressor	Type					Driven vapour compression									
	Quantity					1					2				
Fan	Type					Direct propeller									
	Quantity					4		6			10		12		
	Air flow rate	Nom.			l/s	17,448		26,172			42,600		51,324		
	Speed				rpm	760									
Sound power level	Cooling	Nom.			dBA	87.67	87.93	90.25	92.27		91.42	91.65	93.25	94.9	95.27
Sound pressure level	Cooling	Nom.			dBA	68.70	69.00	70.80	72.80		71.00	71.30	72.50	74.10	74.5
Operation range	Air side	Cooling	Min.~Max.		°CDB	-18~50									
	Water side	Cooling	Min.~Max.		°CDB	-8~18									
Refrigerant	Type/GWP					R-1234(ze)/7									
	Charge				kg	27.6		41.4			64.2		78		102
	Circuits	Quantity				1					2				
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm		114.3mm			139.7mm		168.3mm		
Unit	Running current	Cooling	Nom.		A	93.0	114.0	137.0	158.0	191.0	218.0	244.0	281.0	309.0	345.0
		Max			A	132.0	156.0	217.0	236.0	272.0	312.0	348.0	434.0	500.0	522.0
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400									

Air cooled screw inverter chiller, high efficiency, standard/low sound

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EWAH-TZXSB/XLB/XRB

Microtech III

More details and final information can be found by scanning or clicking the QR codes.

EWAH-TZXSB

EWAH-TZXLB

Cooling Only				EWAH-TZXSB/XLB	180	220	270	300	350	390	430	480	580	620
Space cooling	A Condition 35°C	Pdc		kW	180.38	224.67	270.66	300.22	355	392	427.64	481.86	574.38	619.88
	ηs,c			%	188.68	195.84	194.04	203.08	196.16	196.4	203.28	206.2	214.96	217.88
SEER					4.792	4.971	4.926	5.152	4.979	4.985	5.157	5.23	5.449	5.522
Cooling capacity	Nom.			kW	180	225	271	300	355	392	428	482	574	620
Power input	Cooling	Nom.		kW	51.8	66.3	79	89.6	103	114	125	144	164	181
Capacity control	Method				Variable									
	Minimum capacity			%	33.4	26.7	21.6	18.7	16.7	15.4	14.3	12.5	10.8	10
EER					3.49	3.39	3.43	3.35	3.44	3.42		3.33	3.5	3.41
IPLV					6.05	6.09	5.92	6.2	5.8	5.81	5.9	6	6.01	6.2
Dimensions	Unit	Height		mm	2,540									
		Width		mm	2,282									
		Length		mm	3,230	4,130	3,230	4,130	5,887		6,786	7,684	6,877	7,778
Weight	Unit			kg	2,447	2,813	2,557	2,923	4,445.2	4,629.2	5,004.6	5,748.6	5,720	6,364.8
	Operation weight			kg	2,484.35	2,862.5	2,606.5	2,972.5	4,598.2	4,870.2	5,237.6	5,981.6	6,021	6,656.8
Water heat exchanger	Type				Plate heat exchanger				Shell and tube					
	Water volume			l	37	50			153	241	233		301	292
	Water flow rate	Cooling	Nom.	l/s	8.6	10.7	12.9	14.3	17	18.7	20.4	23	27.4	29.6
	Water pressure drop	Cooling	Nom.	kPa	10.2	11.2	15.7	18.9	23.2	16.7	34.2	26.3	24.7	31.1
Air heat exchanger	Type				Microchannel									
Compressor	Type				Driven vapour compressor									
	Quantity				1				2					
Fan	Type				Direct propeller									
	Quantity				6	8	6	8	12		14	16	14	16
	Air flow rate	Nom.		l/s	26,172	34,896	26,172	34,896	52,344		61,068	69,792	61,068	69,792
	Speed			rpm	760									
Sound power level (XSB)	Cooling	Nom.		dBA	97.19	98.16	101.14	96.57	100.19	100.4	100.7	101.94	99.44	104.19
Sound power level (XLB)					92.14	93.15	96.44	96.57	95.14	95.3	95.68	96.78	99.44	99.57
Sound pressure level (XSB)	Cooling	Nom.		dBA	77.7	78.20	81.70	76.60	79.40	79.60		80.40	78.70	82.70
Sound pressure level (XLB)					72.65	73.19	76.96	76.62	74.36	74.53	74.55	75.29	78.67	78.12
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55									
	Water side	Cooling	Min.~Max.	°CDB	-8~18									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	39	52	39	52	73.2		84.6	97.6	102	116.8
	Circuits	Quantity			1				2					
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm	114.3mm			139.7mm	168.3mm				
Unit	Running current	Cooling	Nom.	A	88.5	113.05	131.55	147.5	176.4	193.47	208.66	243.65	272.5	298.67
		Max		A	134	173	190	233	266	286	311	372	403	465
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

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EWAH-TZXSB/XLB/XRB

Microtech III

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EWAH-TZXRB

Cooling Only					EWAH-TZXRB	180	220	270	300	350	390	430	480	580	620
Space cooling	A Condition 35°C	Pdc			kW	180.38	224.67	270.66	300.22	354.75	391.7	427.42	481.53	573.98	619.32
		ηs,c			%	188.68	195.84	194.04	203.08	195.44	195.76	202.72	205.68	213.64	217.16
SEER						4.792	4.971	4.926	5.152	4.961	4.969	5.143	5.217	5.416	5.504
Cooling capacity	Nom.				kW	180	225	271	300	355	392	427	482	574	619
Power input	Cooling	Nom.			kW	51.8	66.3	79	89.6	103	115	125	145	164	182
Capacity control	Method					Variable									
	Minimum capacity				%	33.4	26.7	21.6	18.7	16.7	15.4	14.3	12.5	10.8	10
EER						3.49	3.39	3.43	3.35	3.42	3.41		3.32	3.48	3.39
IPLV						6.05	6.09	5.92	6.2	5.78	5.77	5.88	5.97	5.98	6.17
Dimensions	Unit	Height			mm	2,540									
		Width			mm	2,282									
		Length			mm	3,230	4,130	3,230	4,130	5,887		6,786	7,684	6,877	7,778
Weight	Unit				kg	2,547	2,913	2,717	3,083	4,645.2	4,829.2	5,204.6	5,948.6	6,040	6,684.8
	Operation weight				kg	2,584.35	2,962.5	2,766.5	3,132.5	4,798.2	5,070.2	5,437.6	6,181.6	6,341	6,976.8
Water heat exchanger	Type					Plate heat exchanger				Shell and tube					
	Water volume				l	37	50			153	241	233		301	292
	Water flow rate	Cooling	Nom.		l/s	8.6	10.7	12.9	14.3	16.9	18.7	20.4	23	27.4	29.6
	Water pressure drop	Cooling	Nom.		kPa	10.2	11.2	15.7	18.9	23.2	16.6	34.1	26.3	24.7	31.1
Air heat exchanger	Type					Microchannel									
Compressor	Type					Driven vapour compressor									
	Quantity					1				2					
Fan	Type					Direct propeller									
	Quantity					6	8	6	8	12		14	16	14	16
	Air flow rate	Nom.			l/s	26,172	34,896	26,172	34,896	51,324		59,709	68,433	59,709	68,433
	Speed				rpm	760									
Sound power level	Cooling	Nom.			dBA	88.63	89.73	92.27	92.6	91.63	91.73	92.25	93.09	95.27	95.6
Sound pressure level	Cooling	Nom.			dBA	69.20	69.80	72.80	72.60	70.90	71.00	71.10	71.6	74.5	74.20
Operation range	Air side	Cooling	Min.~Max.		°CDB	-18~55									
	Water side	Cooling	Min.~Max.		°CDB	-8~18									
Refrigerant	Type/GWP					R-1234(ze)/7									
	Charge				kg	39	52	39	52	73.2		84.6	97.6	102	116.8
	Circuits	Quantity				1				2					
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm	114.3mm			139.7mm	168.3mm				
Unit	Running current	Cooling	Nom.		A	88.5	113.05	131.55	147.5	176.9	194.09	209.13	244.41	273.41	299.81
		Max			A	134	173	190	233	266	286	311	372	403	465
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400									

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EWAH-TZPSB/PLB/PRB

Microtech III

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EWAH-TZPSB

EWAH-TZPLB

Cooling Only				EWAH-TZPSB/PLB	370	440	530	610
Space cooling	A Condition 35°C	Pdc		kW	371.15	435.24	532.06	606.43
		ηs,c		%	206.56	213.68	220.48	224.96
SEER					5.239	5.417	5.587	5.699
Cooling capacity	Nom.			kW	371	435	532	606
Power input	Cooling	Nom.		kW	102	121	137	163
Capacity control	Method				Variable			
	Minimum capacity			%	16.7	14.3	11.7	10
EER					3.62	3.58	3.86	3.7
IPLV					6.15	6.35	6.36	6.35
Dimensions	Unit	Height		mm	2,540			
		Width		mm	2,282			
		Length		mm	7,684	9,480	7,778	8,687
Weight	Unit			kg	5,741.4	6,722	6,364.8	7,140.2
	Operation weight			kg	5,982.4	7,023	6,656.8	7,636.2
Water heat exchanger	Type				Shell and tube			
	Water volume			l	241	301	292	496
	Water flow rate	Cooling	Nom.	l/s	17.7	20.8	25.4	29
	Water pressure drop	Cooling	Nom.	kPa	24.4	15	15.3	18
Air heat exchanger	Type				Microchannel			
Compressor	Type				Driven vapour compression			
	Quantity				2			
Fan	Type				Direct propeller			
	Quantity				16	20	16	18
	Air flow rate	Nom.		l/s	251,251.0	314,064	251,251.0	282,658.0
	Speed			rpm	760			
Sound power level (PSB)	Cooling	Nom.		dBA	100.3	100.8	103.24	104.21
Sound power level (PLB)	Cooling	Nom.		dBA	95.48	96	98.71	99.63
Sound pressure level (PSB)	Cooling	Nom.		dBA	78.80		81.80	82.40
Sound pressure level (PLB)	Cooling	Nom.		dBA	74.03	73.96	77.25	77.86
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55			
	Water side	Cooling	Min.~Max.	°CDB	-8~18			
Refrigerant	Type/GWP				R-1234(ze)/7			
	Circuits	Quantity			2			
Refrigerant circuit	Charge			kg	90.4	113	116.8	131.2
Refrigerant charge	Per circuit			kg	316.4	395.5	408.8	459.2
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm			219.1mm
Unit	Running current	Cooling	Nom.	A	175.85	205.4	233.82	272.98
		Max		A	272	319	350	424
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400			

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EWAH-TZPSB/PLB/PRB

Microtech III

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EWAH-TZPRB

Cooling Only					EWAH-TZPRB	370	440	530	610
Space cooling	A Condition 35°C	Pdc			kW	370.96	435.06	531.76	606.09
	ηs,c				%	206.04	213.28	219.28	223.8
SEER						5.226	5.407	5.557	5.67
Cooling capacity	Nom.				kW	371	435	532	606
Power input	Cooling	Nom.			kW	102	122	138	164
Capacity control	Method					Variable			
	Minimum capacity				%	16.7	14.3	11.7	10
EER						3.61	3.57	3.84	3.69
IPLV						6.12	6.32		
Dimensions	Unit	Height			mm	2,540			
		Width			mm	2,282			
		Length			mm	7,684	9,480	7,778	8,687
Weight	Unit				kg	5,941.4	6,922	6,684.8	7,460.2
	Operation weight				kg	6,182.4	7,223	6,976.8	7,956.2
Water heat exchanger	Type					Shell and tube			
	Water volume				l	241	301	292	496
	Water flow rate	Cooling	Nom.		l/s	17.7	20.8	25.4	28.9
	Water pressure drop	Cooling	Nom.		kPa	24.4	14.9	15.3	18
Air heat exchanger	Type					Microchannel			
Compressor	Type					Driven vapour compression			
	Quantity					2			
Fan	Type					Direct propeller			
	Quantity					16	20	16	18
	Air flow rate	Nom.			l/s	246,359.0	307,948.0	246,359.0	276,541.0
	Speed				rpm	760			
Sound power level	Cooling	Nom.			dBA	92.37	92.94	94.94	95.73
Sound pressure level	Cooling	Nom.			dBA	70.90		73.50	74.00
Operation range	Air side	Cooling	Min.~Max.		°CDB	-18~55			
	Water side	Cooling	Min.~Max.		°CDB	-8~18			
Refrigerant	Type/GWP					R-1234(ze)/7			
	Circuits	Quantity				2			
Refrigerant circuit	Charge				kg	90.4	113	116.8	131.2
Refrigerant charge	Per circuit				kg	316.4	395.5	408.8	459.2
Piping connections	Evaporator water inlet/outlet (OD)						168.3mm		219.1mm
Unit	Running current	Cooling	Nom.		A	176.22	205.83	234.54	273.8
		Max			A	272	319	350	424
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400			

INVERTER

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- Optimized energy efficiency both at full and part load conditions
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- Includes new generation Daikin MicroTech 4 controller with higher memory capacity and faster microprocessor
- Microchannel coils



EWAD-TZSSC2/SLC2 Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZSSC2 EWAD-TZSLC2

Cooling Only				EWAD-TZSSC2/SLC2	H11	H12	H13	C15	C16	H17	H18	H19
Space cooling	A Condition 35°C	Pdc		kW	1,189	1,259	1,355	1,508	1,644	1,766	1,875	1,965
	ηs,c			%	184.5	182.4	182.9	190.1	191.8	191.4	190.1	184.2
SEER					4.69	4.64	4.65	4.83	4.87	4.86	4.83	4.68
Cooling capacity	Nom.			kW	1,189	1,259	1,355	1,508	1,644	1,766	1,875	1,965
Power input	Cooling	Nom.		kW	380.9	413.4	438.6	485	532.8	581.8	636.4	709.3
Capacity control	Method				Variable							
	Minimum capacity			%	12.5							
EER					3.12	3.05	3.09	3.11	3.09	3.04	2.95	2.77
IPLV					4.85	4.8	4.78	5.14	5.11	5.07	5.04	4.99
Dimensions	Unit	Height		mm	2,540							
		Width		mm	2,282							
		Length		mm	10,510		11,404		12,302	13,202	14,102	
Weight	Unit			kg	9,322		10,112	10,716	11,134	11,564	12,037	
	Operation weight			kg	9,879		11,123	11,727	12,145	12,575	13,048	
Water heat exchanger	Type				Shell and tube							
	Water volume			l	557		1,011					
	Water pressure drop	Cooling	Nom.	kPa	57.1	63.3	40.5	49.1	57.4	65.2	72.7	79
Air heat exchanger	Type				Microchannel							
Compressor	Type				Inverter driven single screw compressor							
	Quantity				2							
Fan	Type				Direct propeller							
	Quantity				22		24		26	28	30	
	Air flow rate	Nom.		l/s	112,259		122,464		132,670	142,876	153,081	
	Speed			rpm	900							
Sound power level (SSC2)	Cooling	Nom.		dBA	100		101			102	103	
Sound power level (SLC2)	Cooling	Nom.		dBA	102	103	104		105		106	107
Sound pressure level (SSC2)	Cooling	Nom.		dBA	77		78		79			80
Sound pressure level (SLC2)	Cooling	Nom.		dBA	80	81	82	81	82		83	84
Refrigerant	Type/GWP				R-134a/1,430							
	Charge			kg	175		200		220	250	270	
	Circuits	Quantity			2							
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm		273mm					
Unit	Running current	Cooling	Nom.	A	646.5	691.1	733.0	813.9	884.0	962.8	1,044	1,149
		Max		A	913	969	1,027	1,165	1,205	1,301	1,398	1,487
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400							

performances according to CSS software 10.27

INVERTER

Air cooled screw inverter chiller, standard efficiency, reduced sound

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EWAD-TZSRC2 Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZSRC2

Cooling Only				EWAD-TZSRC2	H11	H12	H13	C15	C16	H17	H18	H19
Space cooling	A Condition 35°C	Pdc	kW		1,164	1,229	1,323	1,463	1,595	1,712	1,812	1,876
	ηs,c		%		206.8	201.6	203.1	204.1	205.3	205.0		201.4
SEER					5.24	5.12	5.15	5.18	5.21	5.20		5.11
Cooling capacity	Nom.		kW		1,164	1,229	1,323	1,463	1,595	1,712	1,812	1,876
Power input	Cooling	Nom.	kW		384.6	423.1	446	513.9	564.5	611.2	663.5	741.2
Capacity control	Method				Variable							
	Minimum capacity		%		12.5							
EER					3.03	2.91	2.97	2.85	2.83	2.80	2.73	2.53
IPLV					5.43	5.29	5.34	5.53		5.5	5.51	5.36
Dimensions	Unit	Height	mm		2,540							
		Width	mm		2,282							
		Length	mm		10,510		11,404		12,302	13,202	14,102	
Weight	Unit		kg		9,322		10,112	10,716	11,134	11,564	12,037	
	Operation weight		kg		9,879		11,123	11,727	12,145	12,575	13,048	
Water heat exchanger	Type				Shell and tube							
	Water volume		l		557		1,011					
	Water pressure drop	Cooling Nom.	kPa		54	60.6	38.8	46.5	54.3	61.6	68.3	72.7
Air heat exchanger	Type				Microchannel							
Compressor	Type				Inverter driven single screw compressor							
	Quantity				2							
Fan	Type				Direct propeller							
	Quantity				22		24		26	28	30	
	Air flow rate	Nom.	l/s		81,518		89,145		96,375	104,002	111,232	
	Speed		rpm		700							
Sound power level	Cooling	Nom.	dBA		93		94			95	96	
Sound pressure level	Cooling	Nom.	dBA		70		71			72		73
Refrigerant	Type/GWP				R-134a/1,430							
	Charge		kg		175		200		220	250	270	
	Circuits	Quantity			2							
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm		273mm					
Unit	Running current	Cooling Nom.	A		659.2	708.5	748.1	853.7	922.8	1,000	1,080	1,194
		Max	A		913	969	1,027	1,165	1,205	1,301	1,398	1,487
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50 /400							

performances according to CSS software 10.27

INVERTER

Air cooled screw inverter chiller, high efficiency, standard sound

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- Microchannel coils



EWAD-TZXSC2 Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZXSC2

Cooling Only				EWAD-TZXSC2	C11	C12	H12	C14	C15	H16	H17
Space cooling	A Condition 35°C	Pdc	kW		1,124.00	1,280	1,206	1,399	1,539	1,667	1,780
	ηs,c		%		211.5	210.8	211.1	211.9	212.6	214.2	212.6
SEER					5.36	5.35		5.37	5.39	5.43	5.39
Cooling capacity	Nom.		kW		1,124	1,280	1,206	1,399	1,539	1,667	1,780
Power input	Cooling	Nom.	kW		354	401.6	375.9	431.7	478.8	524.7	575.4
Capacity control	Method				Variable						
	Minimum capacity		%		12.5						
EER					3.17	3.19	3.21	3.24	3.22	3.18	3.09
IPLV					5.54		5.58	5.79	5.7	5.66	5.65
Dimensions	Unit	Height	mm		2,540						
		Width	mm		2,282						
		Length	mm		10,510	12,302	11,402		12,302	13,202	14,104
Weight	Unit		kg		9,322	10,515	10,112	10,716	11,134	11,564	12,037
	Operation weight		kg		9,879	11,526	11,123	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube						
	Water volume		l		557	1,011					
	Water pressure drop	Cooling	Nom.	kPa	51.6	36.6	32.8	42.9	50.9	58.8	66.1
Air heat exchanger	Type				Microchannel						
Compressor	Type				Inverter driven single screw compressor						
	Quantity				2						
Fan	Type				Direct propeller						
	Quantity				22	26	24		26	28	30
	Air flow rate	Nom.	l/s		83,897	99,151	91,524	122,464	132,670	142,876	153,081
	Speed		rpm		700			900			
Sound power level	Cooling	Nom.	dBA		95	97	96	101		102	
Sound pressure level	Cooling	Nom.	dBA		73	74	73	78		79	
Refrigerant	Type/GWP				R-134a/1,430						
	Charge		kg		175	220	200		220	250	270
	Circuits	Quantity			2						
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm		273mm				
Unit	Starting current	Max	A		0.0						
	Running current	Cooling	Nom.	A	608.8	686.1	647.1	735.8	806.6	874.7	957.5
		Max		A	918	994	939	1,085	1,124	1,218	1,313
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50 /400						

performances according to CSS software 10.27

INVERTER

Air cooled screw inverter chiller, high efficiency, reduced sound

- High energy efficiency both at full and part load conditions
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- Microchannel coils



EWAD-TZXRC2 Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZXRC2

Cooling Only				EWAD-TZXRC2	C11	C12	H12	C14	C15	H16	H17
Space cooling	A Condition 35°C	Pdc		kW	1,122	1,204	1,279	1,362	1,499	1,625	1,735
	ηs,c			%	208.8	210.2	209.8	207.8	209.4	209.3	209.7
SEER					5.30	5.33	5.32	5.27	5.31		5.32
Cooling capacity	Nom.			kW	1,122	1,204	1,279	1,362	1,499	1,625	1,735
Power input	Cooling	Nom.		kW	356.3	377.3	403	450.1	501.4	547.6	598.6
Capacity control	Method				Variable						
	Minimum capacity			%	12.5						
EER					3.15	3.19	3.17	3.03	2.99	2.97	2.90
IPLV					5.51	5.55	5.49	5.64	5.65	5.64	5.6
Dimensions	Unit	Height		mm	2,540						
		Width		mm	2,282						
		Length		mm	10,510	11,402	12,302	11,402	12,302	13,202	14,104
Weight	Unit			kg	9,322	10,112	10,515	10,716	11,134	11,564	12,037
	Operation weight			kg	9,879	11,123	11,526	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube						
	Water volume			l	557	1,011					
	Water pressure drop	Cooling	Nom.	kPa	51.4	32.7	36.5	40.8	48.5	56.1	63.2
Air heat exchanger	Type				Microchannel						
Compressor	Type				Inverter driven single screw compressor						
	Quantity				2						
Fan	Type				Direct propeller						
	Quantity				22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	81,518	89,145	96,375	89,145	96,375	104,002	111,232
	Speed			rpm	700						
Sound power level	Cooling	Nom.		dBA	92	93	94	93	94	95	
Sound pressure level	Cooling	Nom.		dBA	70		71				72
Refrigerant	Type/GWP				R-134a/1,430						
	Charge			kg	175	200	220	200	220	250	270
	Circuits	Quantity			2						
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm	273mm	219.1mm	273mm			
Unit	Starting current	Max		A	0.0						
	Running current	Cooling	Nom.	A	612.3	651.0	689.6	762.5	834.0	901.3	982.6
		Max		A	918	939	994	1,085	1,124	1,218	1,313
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400						

performances according to CSS software 10.27

INVERTER

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- Optimized energy efficiency both at full and part load conditions
- New single screw compressor geometry allowing performance optimization
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- Refrigerant cooled inverter mounted on compressor all across the range
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EWAH-TZSSC2/SLC2 Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAH-TZSSC2 EWAH-TZSLC2

Cooling Only				EWAH-TZSSC2/SLC2	710	770	880	940	990	H10	C11	C12	C13	C14	C15	C16
Space cooling	A Condition 35°C	Pdc	kW		712.28	765.6	879.39	942.78	990.5	1,055.51	1,117.22	1,230.93	1,301.55	1,431.96	1,518.61	1,603.34
	ηs,c		%		181.52	183.08	182.16	181.72	182.84	181.4	182.24	179.28	193.88	192.32	190.76	188.92
SEER					4.613	4.652	4.629	4.618	4.646	4.61	4.631	4.557	4.922	4.883	4.844	4.798
Cooling capacity	Nom.		kW		712.3	765.6	879.4	942.8	990.5	1,056	1,117	1,231	1,302	1,432	1,519	1,603
Power input	Cooling	Nom.	kW		230.7	246.6	284.9	303.9	318.9	339.4	357.4	396	418.4	465.3	510.4	567.4
Capacity control	Method				Inverter controlled											
	Minimum capacity		%		12.5											
EER					3.088	3.104	3.087	3.102	3.107	3.11	3.126	3.109	3.111	3.077	2.975	2.826
IPLV					4.79	4.85	4.8	4.74	4.78	4.71	4.73	4.63	5.17	5.08	5.07	4.98
Dimensions	Unit	Height	mm		2,540											
		Width	mm		2,280											
		Length	mm		6,909		7,809	8,709	9,602	10,510	11,402	12,302	11,402	12,302	13,202	14,102
Weight	Unit		kg		7,033		7,660	8,093	8,900	9,288	10,073	10,475	10,716	11,134	11,564	12,037
	Operation weight		kg		7,313		8,152	8,585	9,483	9,871	11,116	11,518	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube											
	Water volume		l		280		492		583		1,043		1,011			
	Water flow rate	Cooling	Nom. l/s		33.97	36.51	41.94	44.96	47.24	50.34	53.27	58.70	62.06	68.28	72.41	76.45
	Water pressure drop	Cooling	Nom. kPa		44.6	50.8	59.7	67.7	59.9	67.2	44.3	52.7	38.7	45.9	51	56.3
Air heat exchanger	Type				Microchannel											
Compressor	Type				Inverter driven single screw compressor											
	Quantity				2											
Fan	Type				Direct propeller, on/off fans											
	Quantity				14		16	18	20	22	24	26	24	26	28	30
	Air flow rate	Nom.	l/s		71,438		81,644	91,849	102,054	112,259	122,464	132,670	122,464	132,670	142,876	153,081
	Speed		rpm		900											
Sound power level (SSC2)	Cooling	Nom.	dBA		98		99	100	101		102	103	102		103	104
Sound power level (SLC2)	Cooling	Nom.	dBA		101		102	103	104	105	106	107	105	106	107	108
Sound pressure level (SSC2)	Cooling	Nom.	dBA		77		78		79		80	79		80		
Sound pressure level (SLC2)	Cooling	Nom.	dBA		80		81	82		83	84	83		84	85	
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge		kg		120		130	141	150	175	200	220	200	220	250	270
	Circuits	Quantity			2											
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm		219.1mm				273mm					
Unit	Starting current	Max	A		0											
	Running current	Cooling	Nom. A		408.6	433.3	493.5	521.5	549.9	579.6	612.7	668.8	718.8	780.9	848.9	934.8
		Max	A		609.0	640.0	717.0	763.0	811.0	869.0	924.0	1,032.0	1,029.0	1,119.0	1,198.0	1,226.0
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400											

performances according to CSS software 10.27

INVERTER

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EWAH-TZSRC2 Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAH-TZSRC2

Cooling Only				EWAH-TZSRC2	710	770	880	940	990	H10	C11	C12	C13	C14	C15	C16
Space cooling	A Condition 35°C	Pdc		kW	696.3	749.16	859.56	922.06	970.53	1,034.22	1,095.25	1,204.39	1,273.47	1,399.7	1,484.25	1,551.82
	ηs,c			%	204.76	202.64	202.68	204.16	209.88	207.24	210.36	207.08	216.56	213.72	213.96	213.16
SEER					5.194	5.141	5.142	5.179	5.322	5.256	5.334	5.252	5.489	5.418	5.424	5.404
Cooling capacity	Nom.			kW	696.3	749.2	859.6	922.1	970.5	1,034	1,095	1,204	1,273	1,400	1,484	1,552
Power input	Cooling	Nom.		kW	232.1	253	290.9	309.1	318.8	340.5	354	396.4	424.2	479.7	524.7	581
Capacity control	Method				Inverter controlled											
	Minimum capacity			%	12.5											
EER					3.001	2.962	2.955	2.983	3.044	3.038	3.094	3.038	3.002	2.918	2.829	2.671
IPLV					5.43	5.4	5.36	5.37	5.52	5.46	5.49	5.35	5.79	5.73	5.71	
Dimensions	Unit	Height		mm	2,540											
		Width		mm	2,280											
		Length		mm	6,909		7,809	8,709	9,602	10,510	11,402	12,302	11,402	12,302	13,202	14,102
Weight	Unit			kg	7,033		7,660	8,093	8,900	9,288	10,073	10,475	10,716	11,134	11,564	12,037
	Operation weight			kg	7,313		8,152	8,585	9,483	9,871	11,116	11,518	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube											
	Water volume			l	280		492		583		1,043		1,011			
	Water flow rate	Cooling	Nom.	l/s	33.21	35.73	41.00	43.98	46.29	49.32	52.23	57.43	60.72	66.74	70.77	73.99
	Water pressure drop	Cooling	Nom.	kPa	42.8	48.9	57.3	64	57.8	64.8	42.7	50.7	37.2	44.1	48	53.1
Air heat exchanger	Type				Microchannel											
Compressor	Type				Inverter driven single screw compressor											
	Quantity				2											
Fan	Type				Direct propeller, on/off fans											
	Quantity				14		16	18	20	22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	51,803		59,430	66,660	74,287	81,518	89,145	96,375	89,145	96,375	104,002	111,232
	Speed			rpm	700											
Sound power level	Cooling	Nom.		dBA	91		92	93	94		95	96	95		96	97
Sound pressure level	Cooling	Nom.		dBA	70			71	72			73	72	73		74
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge			kg	120		130	141	150	175	200	220	200	220	250	270
	Circuits	Quantity			2											
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm		219.1mm				273mm					
Unit	Starting current	Max		A	0											
	Running current	Cooling	Nom.	A	414.9	446.8	505.2	529.7	554.4	581.0	611.1	667.2	736.4	796.5	863.9	952.0
		Max		A	609.0	640.0	717.0	763.0	811.0	869.0	924.0	1,032.0	1,029.0	1,119.0	1,198.0	1,226.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

performances according to CSS software 10.27

INVERTER

Air cooled screw inverter chiller, high efficiency, standard/low sound

- High energy efficiency both at full and part load conditions
- New single screw compressor geometry allowing performance optimization
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Refrigerant cooled inverter mounted on compressor all across the range
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- Includes new generation Daikin MicroTech 4 controller with higher memory capacity and faster microprocessor
- Microchannel coils



EWAH-TZXSC2/XLC2 Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAH-TZXSC2 EWAH-TZXLC2

Cooling Only				EWAH-TZXSC2/XLC2	670	780	840	950	C10	C11	C12	C13	C14	C15
Space cooling	A Condition 35°C	Pdc		kW	669.32	783.42	840.22	947.7	1,014.01	1,119.73	1,236.7	1,347.06	1,442.56	1,526.76
	ηs,c			%	209.96	211.56	212.8	215.88	216.72	213.16	219.2	218.36	217.48	216.32
SEER					5.324	5.364	5.395	5.472	5.493	5.404	5.555	5.534	5.512	5.483
Cooling capacity	Nom.			kW	669.3	783.4	840.2	947.7	1,014	1,120	1,237	1,347	1,443	1,527
Power input	Cooling	Nom.		kW	206	242	260.2	292.4	310.6	351.7	380.1	420.4	460.7	507.5
Capacity control	Method				Inverter controlled									
	Minimum capacity			%	12.5									
EER					3.249	3.237	3.229	3.241	3.264	3.184	3.253	3.204	3.131	3.009
IPLV					5.59		5.6	5.64	5.66	5.53	5.86	5.8	5.76	5.7
Dimensions	Unit	Height		mm	2,540									
		Width		mm	2,280									
		Length		mm	6,909	7,809	8,709	10,510	11,402	12,302	11,402	12,302	13,202	14,102
Weight	Unit			kg	7,033	7,660	8,093	9,288	10,073	10,475	10,716	11,134	11,564	12,037
	Operation weight			kg	7,313	8,152	8,585	9,871	11,116	11,518	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube									
	Water volume			l	280	492		583	1,043		1,011			
	Water flow rate	Cooling	Nom.	l/s	31.92	37.36	40.07	45.20	48.35	53.39	58.97	64.23	68.78	72.80
	Water pressure drop	Cooling	Nom.	kPa	39.9	48.5	54	55.3	37.2	44.5	35.3	41.1	46.5	51.5
Air heat exchanger	Type				Microchannel									
Compressor	Type				Inverter driven single screw compressor									
	Quantity				2									
Fan	Type				Direct propeller, on/off fans									
	Quantity				14	16	18	22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	53,389	61,016	68,643	83,897	91,524	99,151	122,464	132,670	142,876	153,081
	Speed			rpm	700						900			
Sound power level (XSC2)	Cooling	Nom.		dBA	98	99	100	101	103	105	104	105	106	107
Sound power level (XLC2)	Cooling	Nom.		dBA	93	95		96	98	99	101	102		103
Sound pressure level (XSC2)	Cooling	Nom.		dBA	76	78		79	80		82		83	84
Sound pressure level (XLC2)	Cooling	Nom.		dBA	72	73		74	75	76	79			80
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	120	130	141	175	200	220	200	220	250	270
	Circuits	Quantity			2									
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm	219.1mm			273mm					
Unit	Starting current	Max		A	0									
	Running current	Cooling	Nom.	A	373.9	431.3	459.1	513.1	544.2	604.8	660.3	717.4	778.2	848.9
		Max		A	588.0	625.0	693.0	754.0	836.0	936.0	967.0	1,042.0	1,132.0	1,157.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

performances according to CSS software 10.27

INVERTER

Air cooled screw inverter chiller, high efficiency, reduced sound

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EWAH-TZXRC2 Microtech 4

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EWAH-TZXRC2

Cooling Only				EWAH-TZXRC2	670	780	840	950	C10	C11	C12	C13	C14	C15
Space cooling	A Condition 35°C	Pdc		kW	669.17	783.17	840	947.47	1,013.69	1,119.41	1,212.9	1,321.24	1,415.52	1,497.21
	ηs,c			%	208.32	211.4	212.68	215.84	216.12	212.64	219.4	220.16	218.84	217.44
SEER					5.283	5.36	5.392	5.471	5.478	5.391	5.56	5.579	5.546	5.511
Cooling capacity	Nom.			kW	669.2	783.2	840	947.5	1,014	1,119	1,213	1,321	1,416	1,497
Power input	Cooling	Nom.		kW	206.2	243.3	261.9	292.6	310.8	351.9	382.2	426	467.4	514.6
Capacity control	Method				Inverter controlled									
	Minimum capacity			%	12.5									
EER					3.246	3.219	3.207	3.238	3.261	3.181	3.174	3.101	3.029	2.91
IPLV					5.58		5.59	5.63	5.65	5.52	5.94	5.86	5.81	5.79
Dimensions	Unit	Height		mm	2,540									
		Width		mm	2,280									
		Length		mm	6,909	7,809	8,709	10,510	11,402	12,302	11,402	12,302	13,202	14,102
Weight	Unit			kg	7,033	7,660	8,093	9,288	10,073	10,475	10,716	11,134	11,564	12,037
	Operation weight			kg	7,313	8,152	8,585	9,871	11,116	11,518	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube									
	Water volume			l	280	492		583	1,043		1,011			
	Water flow rate	Cooling	Nom.	l/s	31.91	37.35	40.06	45.19	48.34	53.38	57.83	63.00	67.49	71.39
	Water pressure drop	Cooling	Nom.	kPa	39.9	48.4	54	55.3	37.2	44.4	34.1	39.7	44	49.7
Air heat exchanger	Type				Microchannel									
Compressor	Type				Inverter driven single screw compressor									
	Quantity				2									
Fan	Type				Direct propeller, on/off fans									
	Quantity				14	16	18	22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	51,803	59,430	66,660	81,518	89,145	96,375	89,145	96,375	104,002	111,232
	Speed			rpm	700									
Sound power level	Cooling	Nom.		dBA	90	91	92	93	94	95	94	95	96	
Sound pressure level	Cooling	Nom.		dBA	69	70		71			72			73
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	120	130	141	175	200	220	200	220	250	270
	Circuits	Quantity			2									
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm	219.1mm			273mm					
Unit	Starting current	Max		A	0									
	Running current	Cooling	Nom.	A	374.9	432.6	460.2	514.2	545.4	606.0	670.1	725.0	783.7	853.8
		Max		A	588.0	625.0	693.0	754.0	836.0	936.0	967.0	1,042.0	1,132.0	1,157.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

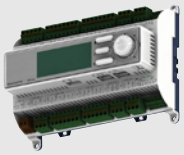
performances according to CSS software 10.27

Air Cooled Screw Chiller - fix speed

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- Large operation range (ambient temperature down to -18°C)
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- 2 or 3 independent refrigerant circuits for outstanding reliability and maximum safety for maintenance
- Extremely wide range from 290kW to over 2 MW
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EWAD-T-SSC/SLC



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-T-SSC

EWAD-T-SLC

Cooling Only				EWAD-T-SSC/SLC	290	330	370	510	520	580	700	800	940	C10	C11	C17	C19	C20	C21	H10	H12	H13	H14	H15	H16	H18
Cooling capacity	Nom.			kW	293	335	374	501	525	567	704	810	933	993	1,135	1,760	1,930	2,026	2,103	1,047	1,243	1,346	1,442	1,555	1,684	1,856
Power input	Cooling	Nom.		kW	92.9	113	120	165	170	187	233	269	307	349	395	611	680	706	731	373	443	471	501	533	565	662
Capacity control	Method				Stepless																					
	Minimum capacity			%	12.5																					
SEPR					5.14	5.1	5.16	5.5			5.51	5.56	5.51	5.52	5.51	5.42	5.38	5.51	5.5	5.52	5.5	5.54	5.56	5.5
EER					3.15	2.94	3.1	3.02	3.07	3.03	3.01		3.03	2.85	2.87	2.88	2.84	2.87		2.8		2.85	2.88	2.92	2.98	2.8
IPLV					4.31	4.22	4.35	4.9	4.78	5.04	4.63	4.56	4.63	4.65	4.67	4.6		4.5	4.46	4.57	4.64	4.62	4.63	4.64	4.6	4.63
Dimensions	Unit	Height		mm	2,540																					
		Width		mm	2,282																					
		Length		mm	3,239		4,139		5,039		6,009		6,909		7,809	11,409	12,309	13,209	14,109	6,909	7,809	8,709	9,609	10,510	11,409	
Weight	Unit			kg	3,062		4,104	4,724	4,860		5,316	5,663	5,950		6,468	11,277	11,808	11,999		6,490	7,062	7,362	7,654	10,157	11,277	11,385
	Operation weight			kg	3,162		4,274	4,894	5,030		5,402	5,903	6,240		6,768	12,148	12,761	13,034		7,002	7,554	7,842	8,134	10,657	12,148	12,338
Water heat exchanger	Type				Shell and tube																					
	Water volume			l	89		181	164	170	164	315	240	289		502	871	953	103		518	492	470	461	522	871	953
	Water flow rate	Cooling	Nom.	l/s	14	16	17.9	23.9	25	27.1	33.6	38.7	44.5	47.4	54.2	84	92	96.6	100	49.9	59.3	64.2	68.8	74.1	80.3	88.5
	Water pressure drop	Cooling	Nom.	kPa	24.5	31.2	45.3	34	51.8	67.2	46.9	34.4	42.9	48	57.1	40.2	43.4	43.9	46.9	44.6	35.3	46.2	56	65.9	37.1	40.4
Air heat exchanger	Type				Microchannel																					
Compressor	Type				Asymm single screw																					
	Quantity				2											3				2					3	
Fan	Type				Direct propeller, on/off fans																					
	Quantity				6		8		10		12		14		16	24	26	28	30	14	16	18	20	22	24	
	Air flow rate	Nom.		l/s	30,245		40,326		50,408		60,490		70,571		80,653	120,981	131,062	141,143	151,224	70,572	80,654	90,735	100,816	110,899	120,981	
	Speed			rpm	900																					
Sound power level (SSC)	Cooling	Nom.		dBA	98						99			100		103				100		101			103	
Sound pressure level (SSC)	Cooling	Nom.		dBA	78									79	78	80				79	78	79			80	
Sound power level (SLC)	Cooling	Nom.		dBA	94		95				96		97		98	100				97		98		99	100	
Sound pressure level (SLC)	Cooling	Nom.		dBA	74		75						76			77				76					77	
Refrigerant	Type				R-134a																					
	Charge			kg	50		55	58	66	67	93.6		109.2		124.8	187	203	218	234	109.2	124.8	140.4	156	172	187	
	Circuits	Quantity			2											3				2					3	
Piping connections	Evaporator water inlet/outlet (OD)				114.3		139.7				168.3				219.1	273mm				219.1mm					273mm	
Unit	Starting current	Max		A	260	320	354	576	583	606	642	694	909	922	1,025	1,515	1,604	1,668	1,732	1,005	1,141	1,160	1,225	1,440	1,446	1,584
	Running current	Cooling	Nom.	A	161	189	204	272	278	303	377	418	476	526	602	920	1,019	1,059	1,093	558	660	704	742	812	860	984
		Max		A	226	256	290	364	394	417	519	571	654	712	815	1,260	1,394	1,458	1,522	750	886	950	1,015	1,116	1,191	1,329
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400																					

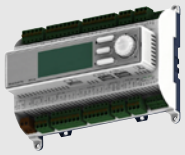
performances according to CSS software 10.27

Air Cooled Screw Chiller - fix speed

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EWAD-T-XSC/XLC



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-T-XSC

EWAD-T-XLC

Cooling Only				EWAD-T-XSC/XLC	350	380	400	420	440	490	540	570	730	820	950	C10	C13	C14	C17	C19	C20	H10	H11	H13	H15	H16	H18
Cooling capacity	Nom.			kW	351	379	400	418	438	492	541	560	728	822	943	1,008	1,278	1,447	1,836	2,019	2,076	1,081	1,169	1,371	1,606	1,705	1,947
Power input	Cooling	Nom.		kW	105	115	121	128	138	159	165	175	241	271	299	333	412	482	587	660	700	348	375	439	519	551	621
Capacity control	Method				Stepless																						
	Minimum capacity			%	12.5																						
SEPR					5.18	5.52	5.54	5.51	5.51	5.5	5.55	5.52	5.61	5.52	5.56	5.55	5.59	5.57	5.52	5.56	5.58	5.57	5.57	5.58	5.58
EER					3.32	3.29	3.24	3.16	3.09	3.26	3.19	3.01	3.02	3.15	3.02	3.1	3	3.13	3.05	2.96	3.1	3.11	3.12	3.09		3.14	
IPLV					4.15	4.34	4.6	4.77	4.46	4.82	4.88	4.97	4.68	4.54	4.76	4.69	4.56	4.62	4.67	4.6	4.65	4.69	4.7	4.6	4.62		
Dimensions	Unit	Height		mm	2,540																						
		Width		mm	2,282																						
		Length		mm	4,139		5,039			6,009				7,809		9,609	10,510	13,209	14,109			8,709	9,609	10,510	11,409	12,309	14,109
Weight	Unit			kg	4,064		4,360		4,860	5,398		5,316	5,663	6,376		7,654	8,020	11,581	11,999			7,362	7,392	8,020	11,277	11,684	11,672
	Operation weight			kg	4,234		4,530		5,030	5,568		5,402	5,903	6,676		8,134	8,470	12,511	13,034			7,842	7,872	8,470	12,148	12,555	12,602
Water heat exchanger	Type				Shell and tube																						
	Water volume			l	134	129		170		164	170	315	232	289		492	470	522	101		502		481	871		522		
	Water flow rate	Cooling	Nom.	l/s	16.7	18.1	19.1	19.9	20.9	23.5	25.8	26.7	34.7	39.2	45	48.1	60.9	69	87.6	96.3	99	51.6	55.8	65.4	76.6	81.3	92.9
	Water pressure drop	Cooling	Nom.	kPa	22.3	28.7	19.9	21.6	23.5	46	38.9	36.6	32	38.5	43.7	49.3	37.1	52.6	43	46	48.4	52.3	60.1	45	34.1	37.9	47.7
Air heat exchanger	Type				Microchannel																						
Compressor	Type				Asymm single screw																						
	Quantity				2														3			2			3		
Fan	Type				Direct propeller, on/off fans																						
	Quantity				8		10			12				16		20	22	28	30			18	20	22	24	26	30
	Air flow rate	Nom.		l/s	40,326		50,408			60,490				80,653		100,816	110,898	141,143	151,224			90,735	100,817	110,898	120,981	131,062	151,224
	Speed			rpm	900																						
Sound power level (XSC)	Cooling	Nom.		dBA	98							99		100		101			103			100	101		103		
Sound pressure level (XSC)	Cooling	Nom.		dBA	78											79			80		78	79		80		79	
Sound power level (XLC)	Cooling	Nom.		dBA	95						96	97		98		99	100			98		99	100				
Sound pressure level (XLC)	Cooling	Nom.		dBA	75						76					77				76		77					
Refrigerant	Type				R-134a																						
	Charge			kg	52	54	65	66		72		93.6		124.8		156	171.6	218	234			140.4	156	171.6	187	203	234
	Circuits	Quantity			2														3			2			3		
Piping connections	Evaporator water inlet/outlet (OD)				139.7							168.3				219.1mm			273mm			219.1mm			273mm		
Unit	Starting current	Max		A	296	340	361	454	478	583	589	612	642	694	916	929	1,154	1,231	1,528	1,616	1,674	1,018	1,038	1,173	1,446	1,453	1,603
	Running current	Cooling	Nom.	A	181	195	204	216	230	261	271	286	378	419	463	514	634	727	898	997	1,050	537	575	674	799	844	943
		Max		A	262	276	297	321	345	371	400	423	519	571	661	719	899	1,021	1,273	1,406	1,464	763	828	963	1,122	1,198	1,348
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400																						

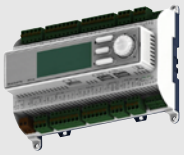
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EWAD-T-XSC/XLC/XRC



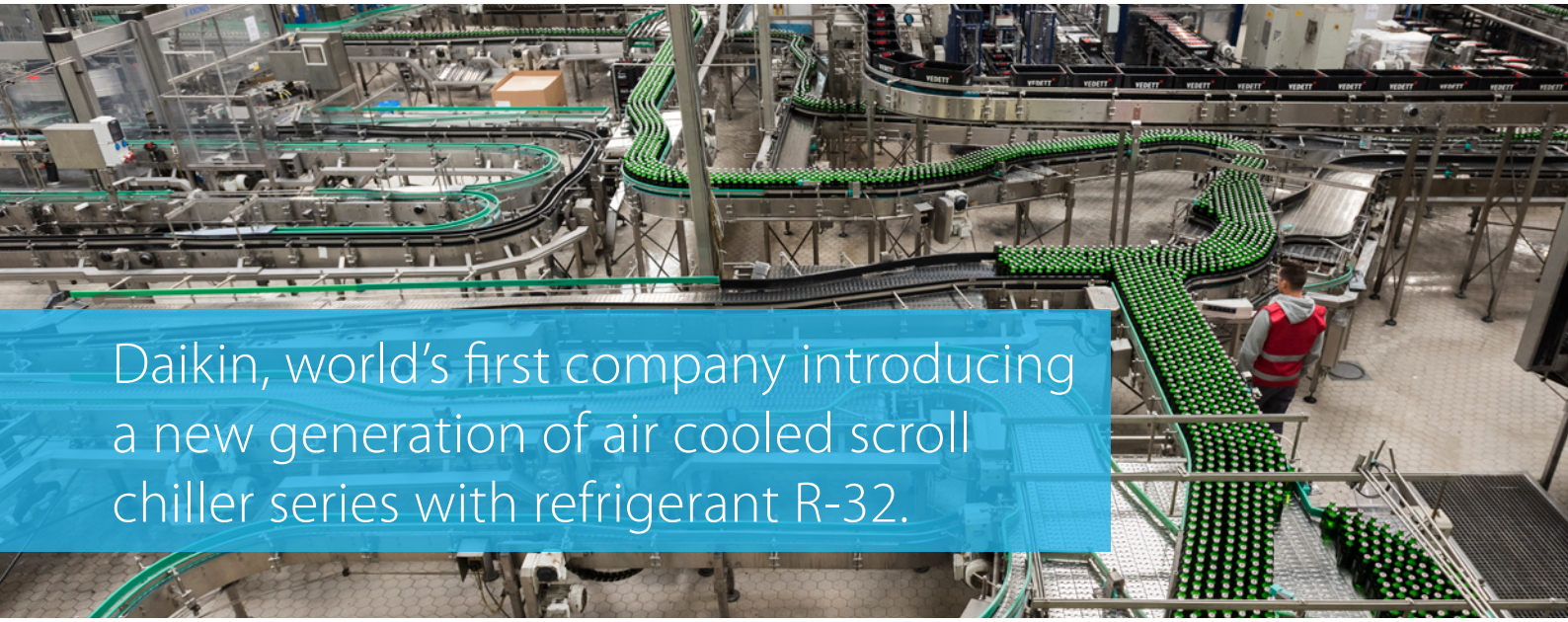
Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAD-T-XRC

Cooling Only				EWAD-T-XRC	350	380	400	420	440	490	540	570	730	820	950	C10	C13	C17	C19	C20	H10	H11	H13	H15	H16	H18
Cooling capacity	Nom.			kW	342	369	390	407	427	480	527	546	708	784	912	971	1,233	1,781	1,941	1,987	1,064	1,144	1,319	1,555	1,648	1,881
Power input	Cooling	Nom.		kW	107	116	122	130	140	161	167	177	251	281	309	350	427	607	688	739	364	390	455	541	568	638
Capacity control	Method				Stepless																					
	Minimum capacity			%	12.5																					
SEPR					5.16	5.14	5.51	5.52	5.5	5.5	5.5	5.5	5.5	5.52	5.52	5.5	5.52	5.55	5.56	5.5	5.55	5.56	5.53	5.53	5.54	5.55
EER					3.19	3.17		3.12	3.04	2.96	3.14	3.07	2.81	2.79	2.95	2.77	2.89	2.93	2.82	2.69	2.92	2.93	2.89	2.87	2.9	2.95
IPLV					4.25	4.3	4.93	4.73	4.75	4.97	5.06	4.98	4.53	4.64	4.65	4.63	4.54	4.72	4.66	4.68	4.56	4.65	4.52	4.64	4.61	4.7
Dimensions	Unit	Height		mm	2,540																					
		Width		mm	2,282																					
		Length		mm	4,139		5,039				6,009				7,809		9,609	13,209	14,109		8,709	9,609	10,510	11,409	12,309	14,109
Weight	Unit			kg	4,344		4,640			5,140	5,678		5,596	5,943	6,616		7,894	12,238	12,432		7,602	7,632	8,260	11,652	12,059	12,047
	Operation weight			kg	4,514		4,810			5,310	5,848		5,682	6,183	6,916		8,374	13,168	13,467		8,082	8,112	8,710	12,523	12,930	12,977
Water heat exchanger	Type				Shell and tube																					
	Water volume			l	134	129		170			164	170	315	232	289		492	522	101		502		481	871		522
	Water flow rate	Cooling	Nom.	l/s	16.3	17.6	18.6	19.4	20.4	22.9	25.1	26.1	33.8	37.4	43.5	46.3	58.8	84.9	92.6	94.7	50.7	54.5	62.9	74.1	78.6	89.7
	Water pressure drop	Cooling	Nom.	kPa	21.3	27.4	19.1	20.6	22.4	44.1	37.2	35	30.4	35.4	41.1	46	34.8	40.6	42.8	44.7	50.8	57.8	42	32.1	35.7	44.9
Air heat exchanger	Type				Microchannel																					
Compressor	Type				Asymm single screw																					
	Quantity				2												3				2			3		
Fan	Type				Direct propeller, on/off fans																					
	Quantity				8		10				12				16		20	28	30		18	20	22	24	26	30
	Air flow rate	Nom.		l/s	29,963		37,275				44,943				59,568	59,213	74,906	105,581	113,250		67,237	74,550	82,219	90,600	98,269	113,250
	Speed			rpm	700																					
Sound power level	Cooling	Nom.		dBA	89		90				91				92		93	95			92	93		94		95
Sound pressure level	Cooling	Nom.		dBA	69					70							71	72			70	71		72		71
Refrigerant	Type				R-134a																					
	Charge			kg	52	54	65	66			72		93.6		124.8		156	218	234		140.4	156	171.6	187	203	234
	Circuits	Quantity			2													3			2			3		
Piping connections	Evaporator water inlet/outlet (OD)				139.7								168.3				219.1	273mm			219.1mm			273mm		
Unit	Starting current	Max		A	296	340	361	454	478	583	589	612	642	694	916	929	1,154	1,528	1,616	1,674	1,018	1,038	1,173	1,446	1,453	1,603
	Running current	Cooling	Nom.	A	182	197	203	216	231	267	274	291	395	439	480	537	657	928	1,037	1,100	555	593	700	828	873	974
		Max		A	262	276	297	321	345	371	400	423	519	571	661	719	899	1,273	1,406	1,464	763	828	963	1,122	1,198	1,348
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400																					

performances according to CSS software 10.27



Daikin, world's first company introducing a new generation of air cooled scroll chiller series with refrigerant R-32.

EWAT-B

Multi scroll chiller with R-32 refrigerant

BLUEVOLUTION

R-32

- Top class efficiency, SEER up to 4.84. Overcoming 2021 Eco-design requirements!
- Environmental friendly refrigerant → First in the market
- New R-32 optimized scroll compressors and heat exchangers
- The Global Warming Potential (GWP) of R-32 refrigerant is 675, which is only one third compared to commonly used refrigerant R-410
- The low GWP R-32 refrigerant falls into category class A2L in ISO817 and it can be safely used in many applications including chilled water systems
- As a single component refrigerant, R-32 is also easier to recycle and reuse another environmental plus in its favour
- Wide capacity range: 80 – 700 kW
- Microchannel condensing coil, for reduced refrigerant charge
- Silver and Gold efficiency versions
- 3 sound configurations
- Full compatibility with Daikin on Site
- New Hydronic Kit configurations (single and twin pump, inertial tank, VFD)
- Single and dual circuit version overlapping between 150 kW and 350 kW
  - › Single circuit units fits 2 or 3 compressors
  - › Dual circuit units fits 4 or 5 or 6 compressors
- Extensive option lists
- Fan speed modulation option (VFD)

Extensive options list

Including new options:

- › Partial heat recovery
- › Buffer tank
- › VFD pumps and variable flow control
- › Master/Slave supplied standard
- › Fan Silent Mode





Single-V Layout

› Slim layout
› Higher flexibility: new intermediate sound configuration for both Silver and Gold versions

Modular-V Layout:

› Brand new layout
› Better part load efficiency (SEER) vs. previous generation:
  › +4% with standard arrangement
  › +7% with VFD fan option



Free-cooling options

It's the capability of a system/equipment to cool air or water by taking advantage of the favorable outdoor conditions when ambient temperature is reducing, for example during winter or intermediate season or even during night time operation. Free cooling operation allows to reduce the power consumption generated by traditional mechanical cooling (e.g. Compressors).

The use of the outdoor ambient as a source for cooling is the perfect way to answer to the new "EPBD Directive" (Energy Performance of Buildings Directive):

Free-cooling - Light
Refrigerant migration system allowing to recover up to 25% of normal unit capacity.

Free-cooling - Full
Refrigerant migration system allowing to recover up to 25% of normal unit capacity.

Benefits
› Glycol free solution
› No refrigerant pump required
› No extra footprint vs standard unit
› No extra pressure drops on water side

Daikin on Site
Fully compatible with Daikin on Site cloud based platform that allows a number of advanced functionalities including:

› Remote monitoring
› System optimization
› Preventive maintenance
› Remote access with one click via LAN or GSM modem

Connection to Intelligent Chiller Manager
In case of more complex installations Daikin can offer the Intelligent Chiller Manager option, allowing energy optimisation of the system and, when necessary, full customization of the control solutions to the specific installation's needs:

› High number of units
› Peripheral controls

Air cooled scroll chiller, standard efficiency, standard/low sound

- First R-32 air cooled chiller with Scroll compressors in the market
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- One or two truly independent refrigerant circuits for outstanding reliability
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- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



More details and final information can be found by scanning or clicking the QR codes.

EWAT-B-SSB

EWAT-B-SLB

Cooling Only			EWAT-B-SSB/SLB	085	115	135	155	175	195	205	215	240	260	290	310	330	340	350	420	460	510	570	610	670
Space cooling	A Condition 35°C	Pdc	kW	80.92	108.97	131.42	158.15	174.93	191.39	210.53	217.08	241.41	260.58	282.93	306.42	329.59	343.51	350.1	416.28	467.54	513.41	566.53	611.64	667.91
	ηs,c		%	161	173	161		176.2	170.6	173	161	171.8	162.6	173.8	177.8	170.2	174.6	166.6	179.4	179.4	179.4	179.4	179	179
	ηs,c + VFDFAN		%					-				175.4	165.4	177.8	182.6	173.4	183.4	169.4	179.8	182.2	181.8	179.4	180.2	183.8
SEER				4.1	4.4	4.1		4.48	4.34	4.4	4.1	4.37	4.14	4.42	4.52	4.33	4.44	4.24	4.56				4.55	
SEER + VFDFAN								-				4.46	4.21	4.52	4.64	4.41	4.66	4.31	4.57	4.63	4.62	4.56	4.58	4.67
Cooling capacity	Nom.		kW	81	109	131	158	175	191	211	217	241	261	283	306	330	344	350	416	468	513	567	612	668
Power input	Cooling	Nom.	kW	31.8	38.5	49.8	61.9	67.8	69.5	80	85.8	85.2	95.6	108	113	122	117	132	147	171	186	216	230	238
Capacity control	Method			Step																				
	Minimum capacity		%	50	38	50	25	38	21	19	50	17	25	24	14	13	33	19	17	15	14	12	11	17
EER				2.55	2.83	2.64	2.55	2.58	2.75	2.63	2.53	2.83	2.73	2.62	2.72	2.71	2.94	2.65	2.84	2.73	2.76	2.63	2.66	2.8
IPLV				4.65	4.92	4.46	4.68	4.78	4.84	4.86	4.7	4.67	4.44	4.74	4.86	4.63	4.8	4.56	4.87	4.84	4.81	4.89	4.9	4.86
EER + VFDFAN								-				2.83	2.73	2.62	2.72	2.7	2.93	2.65	2.83	2.73	2.76	2.62	2.66	2.8
IPLV + VFDFAN								-				4.81	4.27	4.55	5.02	4.75	5	4.7	4.91	4.89	4.9	4.93	4.89	5
Dimensions	Unit	Height	mm	1,801			1,822	1,801		1,822		2,540												
		Width	mm	1,204								2,236												
		Length	mm	2,120	2,660		3,570	3,180	4,170		3,780	2,326			3,226				4,126				5,025	5,874
Weight (SSB)	Unit		kg	681	767	811	1,007	984	1,166	1,158	1,184	1,712	1,739	1,912	2,186	2,214	2,343	2,242	2,721	2,881	3,037	3,278	3,712	4,073
	Operation weight		kg	686	773	820	1,014	996	1,177	1,169	1,200	1,723	1,750	1,928	2,205	2,233	2,363	2,261	2,749	2,909	3,065	3,320	3,754	4,115
Weight (SLB)	Unit		kg	691	777	821	1,028	994	1,187	1,179	1,194	1,815	1,842	2,004	2,289	2,317	2,434	2,345	2,824	3,066	3,223	3,484	3,918	4,279
	Operation weight		kg	696	783	830	1,035	1,006	1,198	1,190	1,210	1,826	1,853	2,020	2,308	2,336	2,454	2,364	2,852	3,094	3,251	3,526	3,960	4,321
Water heat exchanger	Type			Brazed plate																				
	Water volume		l	5	6	9	7	12	11		16	11		16	19		20	19	28			42		
	Water flow rate	Cooling Nom.	l/s	3.9	5.2	6.3	7.6	8.4	9.1	10.1	10.4	11.5	12.4	13.5	14.6	15.7	16.4	16.7	19.9	22.3	24.5	27	29.2	31.9
	Water pressure drop	Cooling Nom.	kPa	27.3	34.4	26.5	64.2	41.7	45.9	54.4	41.4	69.7	80	66.7	46.4	52.9	77.2	59	54.5	67.2	79.6	65.4	75.1	88
Air heat exchanger	Type			Microchannel																				
Compressor	Type			Scroll compressor																				
	Quantity			2			4	2	4		2	4		3	4		3	4	5			6		
Fan	Type			Direct propeller																				
	Quantity			4	6		8		10			4			5		6	5	7		8		9	11
	Air flow rate	Nom.	l/s	6,022	9,036		13,354	12,023	16,710		15,057	20,306			25,382		30,459	25,382	35,535		40,612		45,688	55,841
	Speed		rpm	1,360								900												
Sound power level (SSB)	Cooling	Nom.	dBA	84.8	88.2	89.7	87.8	91.8	89.9	90.9	93.2	93.3	93.8	94.8	94.9	95.3	96.1	95.6	96.7	97	97.6	97.8	98.3	99
Sound power level (SLB)	Cooling	Nom.	dBA	83.7	86.2	87	86.7	88.8	88.1	88.7	90	90.8		91	91.8	91.9	92.7	91.9	93.3	93.4	93.9	94	94.5	95.3
Sound pressure level (SSB)	Cooling	Nom.	dBA	67.4	70.5	72	69.5	73.8	71.3	72.3	74.8	74.3	74.8	75.8	75.4	75.8	76.6	76.1	76.7	77	77.6	77.9		78.2
Sound pressure level (SLB)	Cooling	Nom.	dBA	66.3	68.5	69.3	68.4	70.7	69.5	70.1	71.6	71.8		72	72.3	72.4	73.2	72.4	73.3	73.4	74		74.1	74.6
Refrigerant	Type/GWP			R-32/675																				
	Charge (SSB)		kg	7.1	8.4		12.4	10.7	14.1	14.4	12.7	19	18	18.8	25.5	25	26	25.2	34.3	36.5	40	42	46.1	52.5
	Charge (SLB)		kg	7.1	8.2	8.4	12.4	10.7	14	13.4	12.7	19	18	19	25.5	26.5	27	24.3	34.3	36.1	39.7	42	45.5	55.5
	Circuits	Quantity		1			2	1	2		1	2		1	2		1	2						
Piping connections	Evaporator water inlet/outlet (OD)			76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9				114.3		
Unit	Starting current	Max	A	213	313	324	284	462	384	395	498	410	420	546	573	583	588	594	636	681	719	763	801	843
	Running current	Cooling Nom.	A	59	69	83	108	113	117	131	142	147	160	179	194	206	196	219	238	285	310	358	381	398
		Max	A	73	86	96	143	132	156	167	168	182	193	216	243	254	258	265	307	351	389	433	471	513
Power supply	Phase/Frequency		Hz	3~/50																				

Air cooled scroll chiller, standard efficiency, reduced sound

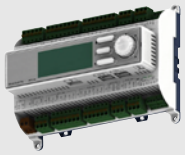
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- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
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EWAT-B-SS/SL/SR Modular V



Single V



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAT-B-SRB

Cooling Only				EWAT-B-SRB	085	115	135	155	175	195	205	215	240	260	290	310	330	340	350	420	460	510	570	610	670
Space cooling	A Condition 35°C	Pdc	kW		76.49	105	123.88	150.13	164.87	181.31	200.51	203.5	231.19	248.68	266.45	290.26	311.62	329.53	330.8	398.49	443.51	488.06	534.23	578.74	637.95
	ηs,c		%		161	173	161		166.2	162.2	167.8	161	179.8	164.2	174.2	172.2	173.8	179	165	179	179.8	179.4	179		
SEER					4.1	4.4	4.1		4.23	4.13	4.27	4.1	4.57	4.18	4.43	4.38	4.42	4.55	4.2	4.55	5.57	4.56	4.55		
Cooling capacity	Nom.		kW		76	105	124	150	165	181	201	204	231	249	266	290	312	330	331	398	444	488	534	579	638
Power input	Cooling	Nom.	kW		33.7	40.3	53	65.9	73	73.2	84.6	91.9	89	99.9	115	119	129	122	140	147	181	197	230	244	251
Capacity control	Method				Step																				
	Minimum capacity		%		50	38	50	25	38	21	19	50	17	25	24	14	13	33	19	17	15	14	12	11	17
EER					2.27	2.61	2.34	2.28	2.26	2.48	2.37	2.21	2.6	2.49	2.31	2.44	2.41	2.7	2.35	2.71	2.45	2.48	2.32	2.37	2.55
IPLV					4.67	4.97	4.5	4.63	4.74	4.64	4.91	4.66	4.93	4.27	4.51	4.82	4.7	5	4.72	4.81	4.92	4.93	5.04	5.03	5.01
Dimensions	Unit	Height	mm		1,801			1,822	1,801	1,822			2,540												
		Width	mm		1,204								2,236												
		Length	mm		2,120	2,660		3,570	3,180	4,170		3,780	2,326			3,226				4,126				5,025	5,874
Weight	Unit		kg		691	777	821	1,028	994	1,187	1,179	1,194	1,815	1,842	2,004	2,289	2,317	2,434	2,345	2,824	3,066	3,223	3,484	3,918	4,279
	Operation weight		kg		696	783	830	1,035	1,006	1,198	1,190	1,210	1,826	1,853	2,020	2,308	2,336	2,454	2,364	2,852	3,094	3,251	3,526	3,960	4,321
Water heat exchanger	Type				Brazed plate																				
	Water volume		l		5	6	9	7	12	11		16	11		16	19		20	19	28			42		
	Water flow rate	Cooling	Nom.	l/s	3.7	5	5.9	7.2	7.9	8.7	9.6	9.7	11	11.9	12.7	13.9	14.9	15.7	15.8	19	21.2	23.3	25.5	27.6	30.4
	Water pressure drop	Cooling	Nom.	kPa	24.6	32.2	23.8	58.5	37.5	41.6	49.9	36.8	64.5	73.5	59.9	42.1	47.8	71.7	53.2	50.4	61.1	72.7	58.9	68	81
Air heat exchanger	Type				Microchannel																				
Compressor	Type				Scroll compressor																				
	Quantity				2			4	2	4		2	4		3	4		3	4	5			6		
Fan	Type				Direct propeller																				
	Quantity				4	6		8		10			4			5		6	5	7		8		9	11
	Air flow rate	Nom.		l/s	4,929	7,396		11,352	9,838	14,202		12,325	17,064			21,330		25,596	21,330	29,862		34,128		38,394	46,926
	Speed			rpm	1,200								780												
Sound power level	Cooling	Nom.		dBA	78.6	82.5	84.1	81.6	86.3	83.9	85.2	87.8	87	87.2	87.5	88.2	88.3	89.1	88.4	89.8		90.4	90.5	91	91.8
Sound pressure level	Cooling	Nom.		dBA	61.2	64.7	66.4	63.3	68.3	65.3	66.6	69.4	68.1	68.2	68.5	68.7	68.8	69.6	68.9	69.8	69.9	70.5		70.6	71.1
Refrigerant	Type/GWP				R-32/675																				
	Charge			kg	7.1	8.4		13	10.7	13.9	14.4	12.3	18.2	18.8	19	25.7	25	25.5	24	34.3	35.5	40.6	41.5	44.4	44.7
	Circuits	Quantity			1			2	1	2		1	2		1	2		1	2						
Piping connections	Evaporator water inlet/outlet (OD)				76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9					114.3	
Unit	Starting current	Max	A		213	313	324	284	462	384	395	498	410	420	546	573	583	588	594	636	681	719	763	801	843
	Running current	Cooling	Nom.	A	62	71	87	115	119	123	139	151		165	189	202	216	202	231	245	298	324	378	402	414
		Max		A	73	86	96	143	132	156	167	168	182	193	216	243	254	258	265	307	351	389	433	471	513
Power supply	Phase/Frequency		Hz		3~/50																				

Air cooled scroll chiller, high efficiency, standard/low sound

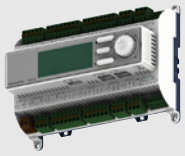
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EWAT-B-XS/XL/XR Modular V



Single V



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

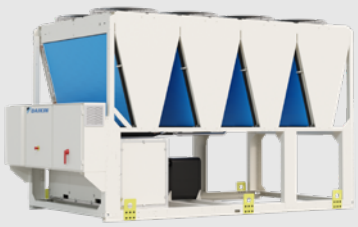
EWAT-B-XSB

EWAT-B-XLB

Cooling Only				EWAT-B-XSB/XLB	085	115	145	180	185	200	220	230	250	280	300	310	320	360	370	430	470	540	600	660	700
Space cooling	A Condition 35°C	Pdc	kW		87.9	113.89	143.48	179.01	182.67	200.92	226.26	238.95	254.88	281.64	304.64	305.17	326.28	351.74	371.72	424.99	472.32	538.3	609.11	662.39	704.37
	ηs,c		%		167	183	175	-	175.8	173	177	169.4	175.8	180.6	181	181	177	170.6	176.2	179.4	179	179.4	181.4	182.6	180.2
	ηs,c + VFDFAN		%		-			181.8	-	176.2	184.2	174.6	184.2	188.6	190.2	184.6	178.2	181	179.8	182.6	179.8	187		190.6	
SEER					4.25	4.65	4.45	4.38	4.47	4.4	4.5	4.31	4.47	4.59	4.6		4.5	4.34	4.48	4.56	4.55	4.56	4.61	4.64	4.58
SEER + VFDFAN					-			4.62	-	4.48	4.68	4.44	4.68	4.79	4.83	4.69	4.53	4.6	4.57	6.64	4.57	4.75		4.84	
Cooling capacity	Nom.		kW		88	114	143	179	183	201	226	239	255	282	305		326	352	372	425	472	538	609	662	704
Power input	Cooling	Nom.	kW		28.8	36.6	44.4	57	63.6	65.7	74.7	74.6	81.7	87.9	97.3	97.4	106.8	113	121	137	153	175	195	211	227
Capacity control	Method				Step																				
	Minimum capacity		%		50	38	50	25	38	21	19	19	17	16	24	14	22	33	19	17	25	14	12	11	17
EER					3.05	3.12	3.23	3.14	2.87	3.06	3.03	3.21	3.12	3.2	3.13	3.313	3.06	3.11	3.06	3.11	3.09	3.07	3.12	3.14	3.1
IPLV					4.83	5	4.82	4.65	4.74	4.67	4.72	4.6	4.69	4.78	4.86	4.77	4.79	4.38	4.7	4.8	4.9	4.8	4.79	4.82	4.77
EER + VFDFAN					-			3.13	-	3.05	3.02	3.19	3.11	3.19	3.12		3.05	3.11	3.05	3.1	3.08	3.07	3.11	3.13	3.09
IPLV + VFDFAN					-			5.11	-	4.87	4.97	5	5.02	5.14	4.95	4.93	4.97	4.96	4.95	4.92	4.71	5.05	5.08	5.12	5.1
Dimensions	Unit	Height	mm		1,801		1,822	2,540	1,822	2,540															
		Width	mm		1,204			2,236	1,204	2,236															
		Length	mm		2,660	3,180	3,780	2,326	3,780	2,326		3,226					4,126			5,025		5,874	6,774	
Weight (XSB)	Unit		kg		737	830	949	1,633	1,066	1,663	1,699	2,082	1,987	2,128	2,226	2,159	2,196	2,639	2,698	2,785	3,228	3,448	3,900	4,294	4,436
	Operation weight		kg		742	836	958	1,644	1,078	1,674	1,710	2,098	2,001	2,147	2,246	2,178	2,215	2,659	2,718	2,813	3,256	3,490	3,942	4,344	4,486
Weight (XLB)	Unit		kg		747	840	959	1,736	1,076	1,766	1,802	2,082	2,090	2,231	2,318	2,262	2,299	2,731	2,801	2,888	3,393	3,633	4,106	4,500	4,642
	Operation weight		kg		752	846	968	1,747	1,088	1,777	1,813	2,098	2,104	2,250	2,338	2,281	2,318	2,751	2,821	2,916	3,421	3,675	4,148	4,550	4,692
Water heat exchanger	Type				Brazed plate																				
	Water volume		l		5	6	9	11	12	11		16	14	19	20	19		20		28		42		50	
	Water flow rate	Cooling	Nom.	l/s	4.2	5.4	6.9	8.6	8.7	9.6	10.8	11.4	12.2	13.4	14.5	14.6	15.6	16.8	17.7	20.3	22.5	25.7	29.1	31.6	33.6
	Water pressure drop	Cooling	Nom.	kPa	31.6	37.3	31	40.7	45.1	50.1	43.7	49.2	54.2	39.8	62.2	46.1	51.9	80.6	65.7	56.6	68.5	59.7	74.6	70.2	78.5
Air heat exchanger	Type				Microchannel																				
Compressor	Type				Scroll compressor																				
	Quantity				2			4	2	4		2	4	3	4		3	4			5	6			
Fan	Type				Direct propeller																				
	Quantity				6	8	10	4	10	4		5		6			7	8	9	10	12	13	14		
	Air flow rate	Nom.		l/s	9,036	12,023	15,057	20,306	15,057	20,306		25,382		30,459			35,535	40,612	45,688	50,765	60,918	65,994	71,071		
	Speed			rpm	1,360			900	1,360	900															
Sound power level (XSB)	Cooling	Nom.		dBA	86	88.8	90.5	91.2	92.1	92	92.7	94.8	93.8	94.6	95.6	95	95.4	96.4	96.2	96.9	97.6	98	98.6	99	99.4
Sound power level (XLB)	Cooling	Nom.		dBA	85.2	87.1	88.5	90.6	89.3	90.6	90.7	91.8	91.7	92.5	92.6	92.5	92.6	93.3	93.2	93.8	94.4		95.6	95.9	96.3
Sound pressure level (XSB)	Cooling	Nom.		dBA	68.3	70.8	72.2	72.3	73.7	73.1	73.7	75.3	74.3	75.1	76.1	75.5	75.9	76.4	76.3	77	77.2	77.6	77.8	77.9	78.3
Sound pressure level (XLB)	Cooling	Nom.		dBA	67.5	69.1	70.1	71.6	70.9	71.7		72.3	72.2	73	73.1	73	73.1	73.3		73.9	74		74.8		75.2
Refrigerant	Type/GWP				R-32/675																				
	Charge (XSB)		kg		8.6	9.7	10.7	19.4	11.2	19.7	19.8	23.5	24	27.3	26.8	28	27.6	32	31	36	43.5	46.8	55	60	66
	Charge (XLB)		kg		8.6	9.4	11.2	18.8	11.2	19.4	19.1	23.7	23.4	29.1	26.6	27.4	27.6	30.3	32.2	35.1	43.5	48	53.8	61	64.9
	Circuits	Quantity			1			2	1	2		1	2	1	2		1	2							
Piping connections	Evaporator water inlet/outlet (OD)				76.1			88.9	76.1	88.9		76.1	88.9	76.1	88.9		76.1	88.9				114.3			
Unit	Starting current	Max	A		215	315	328	290	464	388	399	506	414	543	554		564	592	602	640	678	727	779	817	855
	Running current	Cooling	Nom.	A	56	67	78	110	108	122	135	128	145	158	168	170	183	192	208	234	259	298	334	360	387
		Max		A	75	87	100	149	134	160	171	176	186	213	224		235	262	273	311	348	397	449	487	525
Power supply	Phase/Frequency		Hz		3~/50																				

Air cooled scroll chiller, high efficiency, reduced sound

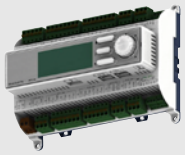
- First R-32 air cooled chiller with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller with superior control logic and easy interface
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



EWAT-B-XS/XL/XR Modular V



Single V



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAT-B-XRB

Cooling Only				EWAT-B-XRB	085	115	145	180	185	200	220	230	250	280	300	310	320	360	370	430	470	540	600	660	700
Space cooling	A Condition 35°C	Pdc	kW		81.86	108.59	135.62	168.03	166.16	187.56	208.44	224.52	238.22	264.73	284.94	284.65	301.84	328.88	346.48	394.41	439.5	501.51	571.63	621.1	659.28
	ηs,c		%		213.28	179.4	166.6	177	164.6	186.6	179	169	177	186.6	185.8	183	173.8	180.6	176.2	181.8	179	183	187.4		185.4
SEER					4.13	4.56	4.24	4.5	4.19	4.74	4.55	4.3	4.5	4.74	4.72	4.65	4.42	4.59	4.48	4.62	4.55	4.65	4.76		4.71
Cooling capacity	Nom.		kW		82	109	136	168	166	188	208	225	238	265	285		302	329	346	394	440	502	572	621	659
Power input	Cooling	Nom.	kW		30.8	38.9	46.9	59.1	70.5	69.8	80.7	79.2	87.3	92.2	105	103	115	121	130	147	163	190	207	224	242
Capacity control	Method				Step																				
	Minimum capacity		%		50	38	50	25	38	21	19	50	17	16	24	14	22	33	19	17	25	14	12	11	17
EER					2.66	2.79	2.89	2.84	2.36	2.69	2.58	2.84	2.73	2.87	2.72	2.76	2.63	2.71	2.67	2.69		2.64	2.76	2.77	2.72
IPLV					4.74	5.1	4.76	5.04	4.72	5.05	4.97	4.86	4.91	5.08	4.78	4.94	4.62	5.04	4.95	4.88	4.72	4.96	5.04	5.07	5.08
Dimensions	Unit	Height	mm		1,801		1,822	2,540	1,822	2,540															
		Width	mm		1,204			2,236	1,204	2,236															
		Length	mm		2,660	3,180	3,780	2,326	3,780	2,326		3,226					4,126			5,025		5,874	6,774		
Weight	Unit		kg		747	840	959	1,736	1,076	1,766	1,802	2,082	2,090	2,231	2,318	2,262	2,299	2,731	2,801	2,888	3,393	3,633	4,106	4,500	4,642
	Operation weight		kg		752	846	968	1,747	1,088	1,777	1,813	2,098	2,104	2,250	2,338	2,281	2,318	2,751	2,821	2,916	3,421	3,675	4,148	4,550	4,692
Water heat exchanger	Type				Brazed plate																				
	Water volume		l		5	6	9	11	12	11		16	14	19	20	19		20		28		42		50	
	Water flow rate	Cooling	Nom.	l/s	3.9	5.2	6.5	8	7.9	9	10	10.7	11.4	12.6	13.6		14.4	15.7	16.5	18.8	21	23.9	27.3	29.6	31.5
	Water pressure drop	Cooling	Nom.	kPa	27.8	34.2	28	36.3	38	44.2	37.7	44	48.2	35.6	55.1	40.6	45.1	71.4	57.9	49.5	60.2	52.5	66.5	62.6	69.7
Air heat exchanger	Type				Microchannel																				
Compressor	Type				Scroll compressor																				
	Quantity				2		4	2	4		2	4		3	4		3	4			5	6				
Fan	Type				Direct propeller																				
	Quantity				6	8	10	4	10	4		5		6			7		8	9	10	12	13	14	
	Air flow rate	Nom.		l/s	6,673	8,896	11,122	15,054	11,122	15,054		18,819	18,818	22,582			26,346		30,110	33,874	37,637	45,164	48,928	52,692	
	Speed			rpm	1,108			700	1,108	700															
Sound power level	Cooling	Nom.		dBA	77.9	81.9	84	84.2	86	84.5	84.8	86.2	85.8	86.6	87	86.7	86.9	87.7	87.6	88.3	88.9	89.3	90	90.4	90.7
Sound pressure level	Cooling	Nom.		dBA	60.2	63.9	65.6	65.3	67.7	65.5	65.8	66.7	66.3	67.1	67.5	67.2	67.4	67.8	67.7	68.3	68.5	68.9	69.2	69.3	69.6
Refrigerant	Type/GWP				R-32/675																				
	Charge			kg	8.4	9.1	10.3	12	11.8	19.1	18.9	22.7	22.5	28.7	27.3	28	26.6	30	33.2	35	40.9	48.2	51.5	59.2	62
	Circuits	Quantity			1		2	1	2		1	2		1	2		1		2						
Piping connections	Evaporator water inlet/outlet (OD)				76.1		88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1		88.9			114.3			
Unit	Starting current	Max	A		215	315	328	290	464	388	399	506	414	543	554		564	592	602	640	678	727	779	817	855
	Running current	Cooling	Nom.	A	59	71	83	113	118	128	143	134	151	164	177	179	194	204	221	250	276	319	352	381	410
		Max		A	75	87	100	149	134	160	171	176	186	213	224		235	262	273	311	348	397	449	487	525
Power supply	Phase/Frequency		Hz		3~/50																				

Air cooled mini inverter heat pump

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› Inverter chiller
› Hermetically sealed swing inverter compressor
› New casing for the outdoor units
› Separate MMI-2 controller for indoor installation



EW(A-Y)A004-008DV3P_R

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DV3P

Heating & Cooling				EWYA-D	004DV3P	006DV3P	008DV3P
Space heating	Average climate water outlet 35°C	General	SCOP		4.54	4.52	4.61
			Seasonal space heating eff. class		A+++		
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	5.83 (1) / 5.09 (2)	6.18 (1) / 5.44 (2)
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Power input	Cooling	Nom.		kW	0.820 (1) / 1.36 (2)	1.08 (1) / 1.55 (2)	1.19 (1) / 1.73 (2)
	Heating	Nom.		kW	0.840 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
EER					5.91 (1) / 3.32 (2)	5.40 (1) / 3.28 (2)	5.19 (1) / 3.14 (2)
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Dimensions	Unit	Height		mm	770		
		Width		mm	1,250		
		Depth		mm	362		
Weight	Unit			kg	88.0		
Water heat exchanger	Type				Plate heat exchanger		
	Water volume			l	1		
Compressor	Type				Hermetically sealed swing compressor		
	Quantity				1		
Fan	Type				Propeller fan		
	Quantity				1		
Sound power level	Cooling	Nom.		dBA	61.0 (1)	62.0 (1)	
	Heating	Nom.		dBA	58.0 (1)	60.0 (1)	62.0 (1)
Sound pressure level	Cooling	Nom.		dBA	48.0 (1)	49.0 (1)	50.0 (1)
	Heating	Nom.		dBA	44.0 (1)	47.0 (1)	49.0 (1)
Operation range	Air side	Cooling	Min.~Max.	°CDB	10 (3)~43		
		Heating	Min.~Max.	°CDB	-25 ~25		
	Water side	Cooling	Min.~Max.	°CDB	5 (3)~22		
		Heating	Min.~Max.	°CDB	9 (3)~65 (3)		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg	1.35		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230 +/-10%		

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)For more details, see operation range drawing

INVERTER

BLUEVOLUTION

Air cooled mini inverter heat pump

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Hermetically sealed swing inverter compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



EWAA-EWYA-D_R

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DV3P

Heating & Cooling				EWYA-D	009DV3P	011DV3P	014DV3P	016DV3P
Space cooling	A Condition 35°C	Pdc		kW	9.35	11.6	12.8	14.0
	ηs,c			%	222	229	226	221
SEER					5.62 (6)	5.79 (6)	5.71 (6)	5.59 (6)
Space heating	Average climate water outlet 35°C	General	SCOP		4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++			
Cooling capacity	Nom.			kW	9.35 (2) / 9.10 (3)	11.6 (2) / 11.5 (3)	12.8 (2) / 12.7 (3)	14.0 (2) / 15.3 (3)
Heating capacity	Nom.			kW	9.37 (4) / 9.00 (5)	10.6 (4) / 9.82 (5)	12.0 (4) / 12.5 (5)	16.0 (4) / 16.0 (5)
Power input	Cooling	Nom.		kW	2.79 (2) / 1.71 (3)	3.56 (2) / 2.17 (3)	4.06 (2) / 2.51 (3)	4.58 (2) / 3.24 (3)
	Heating	Nom.		kW	1.91 (4) / 2.43 (5)	2.18 (4) / 2.68 (5)	2.46 (4) / 3.42 (5)	3.53 (4) / 4.56 (5)
Capacity control	Method				Variable (inverter)			
EER					3.35 (2) / 5.34 (3)	3.26 (2) / 5.31 (3)	3.16 (2) / 5.04 (3)	3.06 (2) / 4.74 (3)
COP					4.91 (4) / 3.71 (5)	4.83 (4) / 3.66 (5)	4.87 (4) / 3.64 (5)	4.53 (4) / 3.51 (5)
Dimensions	Unit	Height		mm	870			
		Width		mm	1,380			
		Depth		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.		dBA	65.5	67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	44.0	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10 ~43			
		Heating	Min.~Max.	°CDB	-25 ~25			
	Water side	Cooling	Min.~Max.	°CDB	5 ~22			
		Heating	Min.~Max.	°CDB	9 (1)~60 (1)			
Refrigerant	Type/GWP				R-32/675.0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3.80			
				TCO2Eq	2.6			
Unit	Running current	Max		A	30.8			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230			

(1)For more details, see operation range drawing | (2)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (3)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (5)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | (6)According to EN14825 | Depends on operation mode, refer to installation manual.

Air cooled mini inverter heat pump

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Daikin swing compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



EWYA

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DW1P

Heating & Cooling				EWYA-D	009DW1P	011DW1P	014DW1P	016DW1P
Space cooling	A Condition 35°C	Pdc		kW	9.35	11.6	12.8	14.0
	ηs,c			%	222	229	226	221
SEER					5.62	5.79	5.71	5.59
Space heating	Average climate water outlet 35°C	General	SCOP		4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++			
Cooling capacity	Nom.			kW	9.35 (1) / 9.10 (2)	11.6 (1) / 11.5 (2)	12.8 (1) / 12.7 (2)	14.0 (1) / 15.3 (2)
Heating capacity	Nom.			kW	9.37 (3) / 9.00 (4)	10.6 (3) / 9.82 (4)	12.0 (3) / 12.5 (4)	16.0 (3) / 16.0 (4)
Power input	Cooling	Nom.		kW	2.79 (1) / 1.71 (2)	3.56 (1) / 2.17 (2)	4.06 (1) / 2.51 (2)	4.58 (1) / 3.24 (2)
	Heating	Nom.		kW	1.91 (3) / 2.43 (4)	2.18 (3) / 2.68 (4)	2.46 (3) / 3.42 (4)	3.53 (3) / 4.56 (4)
Capacity control	Method				Variable (inverter)			
EER					3.35 (1) / 5.34 (2)	3.26 (1) / 5.31 (2)	3.16 (1) / 5.04 (2)	3.06 (1) / 4.74 (2)
COP					4.91 (3) / 3.71 (4)	4.83 (3) / 3.66 (4)	4.87 (3) / 3.64 (4)	4.53 (3) / 3.51 (4)
Dimensions	Unit	Height		mm	870			
		Width		mm	1,380			
		Length		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.		dBA	65.5	67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	44.0	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43			
		Heating	Min.~Max.	°CDB	-25~25			
	Water side	Cooling	Min.~Max.	°CDB	5~22			
		Heating	Min.~Max.	°CDB	9 ~60			
Refrigerant	Type/GWP				R-32/675.0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3.80			
	Per circuit			TCO2Eq	2.6			
Unit	Running current	Max		A	14.0			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400			

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)

INVERTER

BLUEVOLUTION

Air cooled mini inverter heat pump

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Daikin swing compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation



EWYA

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DW1P-H-

Heating & Cooling				EWYA-D	009DW1P-H-	011DW1P-H-	014DW1P-H-	016DW1P-H-
Space cooling	A Condition 35°C	Pdc		kW	9.35	11.6	12.8	14.0
	ηs,c			%	222	229	226	221
SEER					5.62	5.79	5.71	5.59
Space heating	Average climate water outlet 35°C	General	SCOP		4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++			
Cooling capacity	Nom.			kW	9.35 (1) / 9.10 (2)	11.6 (1) / 11.5 (2)	12.8 (1) / 12.7 (2)	14.0 (1) / 15.3 (2)
Heating capacity	Nom.			kW	9.37 (3) / 9.00 (4)	10.6 (3) / 9.82 (4)	12.0 (3) / 12.5 (4)	16.0 (3) / 16.0 (4)
Power input	Cooling	Nom.		kW	2.79 (1) / 1.71 (2)	3.56 (1) / 2.17 (2)	4.06 (1) / 2.51 (2)	4.58 (1) / 3.24 (2)
	Heating	Nom.		kW	1.91 (3) / 2.43 (4)	2.18 (3) / 2.68 (4)	2.46 (3) / 3.42 (4)	3.53 (3) / 4.56 (4)
Capacity control	Method				Variable (inverter)			
EER					3.35 (1) / 5.34 (2)	3.26 (1) / 5.31 (2)	3.16 (1) / 5.04 (2)	3.06 (1) / 4.74 (2)
COP					4.91 (3) / 3.71 (4)	4.83 (3) / 3.66 (4)	4.87 (3) / 3.64 (4)	4.53 (3) / 3.51 (4)
Dimensions	Unit	Height		mm	870			
		Width		mm	1,380			
		Length		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.		dBA	65.5	67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	44.0	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43			
		Heating	Min.~Max.	°CDB	-25~25			
	Water side	Cooling	Min.~Max.	°CDB	5~22			
		Heating	Min.~Max.	°CDB	9 ~60			
Refrigerant	Type/GWP				R-32/675.0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3.80			
	Per circuit			TCO2Eq	2.6			
Unit	Running current	Max		A	14.0			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400			

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)

Air cooled mini inverter heat pump

› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Inverter chiller
› Daikin swing compressor
› New casing for the outdoor units
› Separate MMI-2 controller for indoor installation



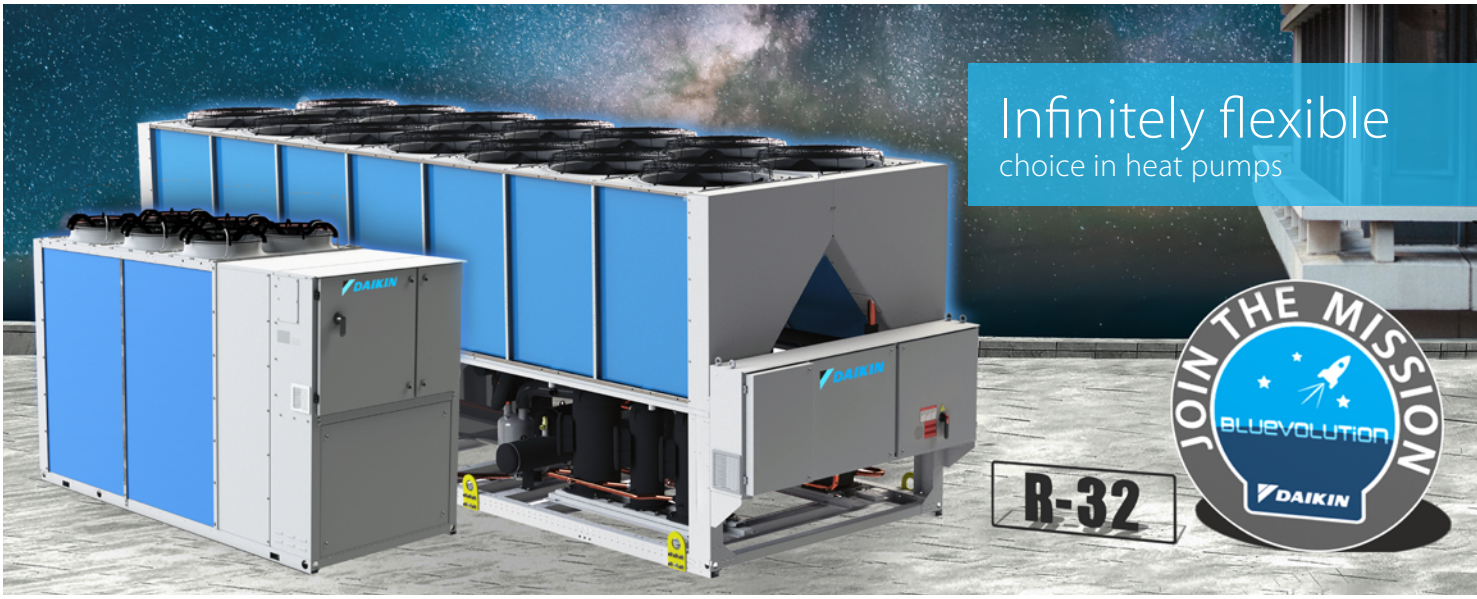
EWYA

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DV3P-H-

Heating & Cooling				EWYA-D	009DV3P-H-	011DV3P-H-	014DV3P-H-	016DV3P-H-
Space cooling	A Condition 35°C	Pdc		kW	9.35	11.6	12.8	14.0
	ηs,c			%	222	229	226	221
SEER					5.62	5.79	5.71	5.59
Space heating	Average climate water outlet 35°C	General	SCOP		4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++			
Cooling capacity	Nom.			kW	9.35 (1) / 9.10 (2)	11.6 (1) / 11.5 (2)	12.8 (1) / 12.7 (2)	14.0 (1) / 15.3 (2)
Heating capacity	Nom.			kW	9.37 (3) / 9.00 (4)	10.6 (3) / 9.82 (4)	12.0 (3) / 12.5 (4)	16.0 (3) / 16.0 (4)
Power input	Cooling	Nom.		kW	2.79 (1) / 1.71 (2)	3.56 (1) / 2.17 (2)	4.06 (1) / 2.51 (2)	4.58 (1) / 3.24 (2)
	Heating	Nom.		kW	1.91 (3) / 2.43 (4)	2.18 (3) / 2.68 (4)	2.46 (3) / 3.42 (4)	3.53 (3) / 4.56 (4)
Capacity control	Method				Variable (inverter)			
EER					3.35 (1) / 5.34 (2)	3.26 (1) / 5.31 (2)	3.16 (1) / 5.04 (2)	3.06 (1) / 4.74 (2)
COP					4.91 (3) / 3.71 (4)	4.83 (3) / 3.66 (4)	4.87 (3) / 3.64 (4)	4.53 (3) / 3.51 (4)
Dimensions	Unit	Height		mm	870			
		Width		mm	1,380			
		Length		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.		dBA	65.5	67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	44.0	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43			
		Heating	Min.~Max.	°CDB	-25~25			
	Water side	Cooling	Min.~Max.	°CDB	5~22			
		Heating	Min.~Max.	°CDB	9 ~60			
Refrigerant	Type/GWP				R-32/675.0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3.80			
	Per circuit			TCO2Eq	2.6			
Unit	Running current	Max		A	30.8			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)



EWYT-B

Multi scroll heat pumps with R-32 refrigerant

- Top class efficiency, SEER up to 4.92 and SCOP up to 4.06
- Low environmental impact thanks to R-32 refrigerant
- Dedicated Scroll Compressors for hot water production up 60°C
- The Global Warming Potential (GWP) of R-32 refrigerant is 675, which is only one third compared to commonly used refrigerant R-410
- The low GWP R-32 refrigerant falls into category class A2L in ISO817 and it can be safely used in many applications including chilled water systems
- As a single component refrigerant, R-32 is also easier to recycle and reuse another environmental plus in its favour
- Wide capacity range: 80 – 650 kW
- Optimized Copper -Aluminium Coils improving performances and de-frosting operation
- Silver and Gold efficiency versions
- 3 sound configurations
- 2 different layouts: Parallel Coil and Double V Coil
- One or Two independent refrigerant circuits
- Full compatibility with Daikin on Site
- Extensive option lists
- Fan speed modulation option (VFD)

Connectivity

Daikin on Site

Fully compatible with Daikin on Site cloud based platform that allows a number of advanced functionalities including:

› Remote monitoring
› System optimization
› Preventive maintenance
› Remote access with one click via LAN or 4G LTE router

Connection to Intelligent Chiller Manager

Daikin can offer the Intelligent Chiller Manager option, allowing energy optimisation of the system and, when necessary, full customization of the control solutions to the specific installation's needs even in case of more complex installation.

› High number of units
› Cooling and Heating mode
› Peripheral controls

Chiller intelligent Manager

Layouts & Range overview

Parallel coils



Silver Efficiency	75-193 kW 82-213 kW	1 circuit
Gold Efficiency	80-206 kW 86-218 kW	
Silver Efficiency	189-230 kW 209-256 kW	2 circuits
Gold Efficiency	206-250 kW 215-261 kW	

Double-V coils



Silver Efficiency	270-570 kW 300-627 kW	2 circuits
Gold Efficiency	294-630 kW 306-650 kW	

Extensive option lists Including new options:

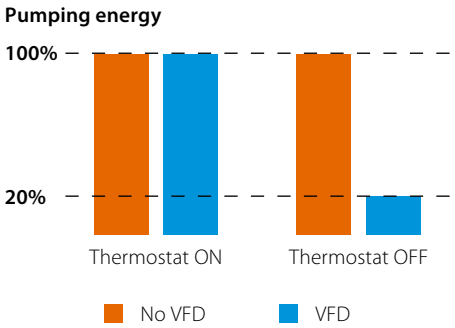
Partial heat recovery
Introduction of condensation control allowing to mantain heat recovery capacity at lower ambient temperatures with unit operating at full capacity

Buffer tank
Unit mounted buffer tank available all across the range for plug and play solution.

VFD pumps and variable flow control
- Variable pump speed control via extenral 0-10 volt signal
- "Thermostat on" and "thermostat off" pump speed management
- Variable primary flow control

Master/Slave supplied as standard
Master/Slave functionality allowing to manage up to 4 units on the same system without the need of external control devices.

Fan Silent Mode
The parallel coil units and units with VFD option are standardly equipped with Fan Silent Mode, which reduces fan velocity and therefore unit sound emission on scheduled time bands, enhancing comfort during night operation.



Air cooled multi-scroll heat pump, standard efficiency, standard/low sound

- First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



EWYT-B MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWYT-B-SS EWYT-B-SL

Heating & Cooling				EWYT-B-SS/SL	085	105	135	175	205	215	235	255	300	340	390	430	490	540	590	630	300-VFDFAN	340-VFDFAN	390-VFDFAN	430-VFDFAN	490-VFDFAN	540-VFDFAN	590-VFDFAN	630-VFDFAN
SEER					3.9	3.98	3.9	4.01	3.96	3.9	3.96	3.9	3.99	4.1	3.99	4	4.23		4.17	4.25	4.16	4.28	4.16	4.12	4.37	4.35	4.29	4.38
Space heating	Average climate water outlet 35°C	General	SCOP		3.34	3.41	3.36	3.40	3.37	3.40	3.34	3.29	3.27	3.28	3.35	3.33	3.37	3.35	3.38	3.37	3.38	3.39	3.46	3.44	3.47	3.46	3.50	3.47
			Seasonal space heating eff. class		A+														-									
Cooling capacity	Nom.			kW	75	98	120	153	189	193	212	230	270	317	350	375	434	482	531	570	270	317	350	375	434	482	531	570
Heating capacity	Nom.			kW	82.24	106.24	132.23	169.8	209.28	213.33	236.16	256.09	300.01	342.79	389.93	432.79	486.98	541.54	591.29	627.45	300.01	342.79	389.93	432.79	486.98	541.54	591.29	627.45
Power input	Cooling	Nom.		kW	28	36.6	44.6	57.8	71.3	72.1	78.7	86.4	102	117	132	147	171	192	206	219	102	117	133	147	171	192	207	219
	Heating	Nom.		kW	28.16	36.5	45.26	58.94	72.36	73.82	82.07	86.96	104.12	116.23	135.61	150.48	166.78	185.15	201.91	214.4	104.41	116.59	136.09	150.96	167.26	185.62	202.51	215
Capacity control	Method				Step																							
	Minimum capacity			%	50	38	50	38	19	50	17	25	22	19	17	25	22	19	18	17	22	19	17	25	22	19	18	17
EER					2.69	2.68	2.7	2.65	2.66	2.67	2.69	2.67	2.65	2.69	2.63	2.55	2.54	2.51	2.57	2.6	2.64	2.69	2.62	2.54	2.53	2.5	2.56	2.59
COP					2.921	2.911	2.922	2.881	2.892	2.89	2.877	2.945	2.882	2.949	2.875	2.876	2.92	2.925	2.928	2.927	2.873	2.94	2.865	2.867	2.911	2.917	2.92	2.918
IPLV					4.43	4.4	4.32	4.28	4.33	4.36	4.31	4.35	4.2	4.31	4.2	4.31	4.46	4.52	4.44	4.53	4.35	4.67	4.45	4.54	4.68	4.71	4.73	4.8
Dimensions	Unit	Height		mm	1,800									2,514														
		Width		mm	1,195									2,282														
		Length		mm	2,225	2,825	3,425		4,350	4,025	4,950		3,225		4,125				5,025		3,225		4,125				5,025	
Weight (SS)	Unit			kg	955	1,065	1,165	1,320	1,500		1,800	1,825	2,100	2,250	3,180	3,190	3,180	3,370	4,267		2,100	2,250	3,180	3,190	3,180	3,370	4,267	
	Operation weight			kg	962	1,072	1,172	1,327	1,511		1,811	1,839	2,114	2,270	3,200	3,210	3,207	3,397	4,302	4,308	2,114	2,270	3,200	3,209.71	3,207.27	3,397.27	4,302.37	4,308.08
Weight (SL)	Unit			kg	985	1,095	1,195	1,350	1,530		1,830	1,855	2,260	2,410	3,340	3,350	3,340	3,530	4,427		2,260	2,410	3,340	3,190	3,180	3,370	4,267	
	Operation weight			kg	992	1,102	1,202	1,357	1,541		1,841	1,869	2,274	2,430	3,360	3,370	3,367	3,557	4,462	4,468	2,274	2,430	3,360	3,209.71	3,207.27	3,397.27	4,302.37	4,308.08
Water heat exchanger	Type				Plate heat exchanger																							
	Water volume			l	7				11			14		20			27		35	41	14	20			27			35	41
	Water flow rate	Cooling	Nom.	l/s	3.6	4.7	5.8	7.3	9	9.2	10.1	11	12.9	15.1	16.7	17.9	20.7	23	25.3	27.2	12.9	15.1	16.7	17.9	20.7	23	25.3	27.2
	Water pressure drop	Cooling	Nom.	kPa	14.9	24.1	35.1	54	45	46.4	55.1	45.1	60.2	49.2	58.8	66.7	58.7	71.2	58.3	66.1	60.2	49.2	58.8	66.7	58.7	71.2	58.3	66.1
Air heat exchanger	Type				High efficiency fin and tube type																							
Compressor	Type				Scroll compressor																							
	Quantity				2				4	2	4						5	6	4						5	6		
Fan	Type				Direct propeller																							
	Quantity				4	6	8		10		12		5	6	8				10		5	6	8				10	
	Air flow rate	Nom.		l/s	6,888	10,809	14,412	13,777	17,220	17,221	20,664		28,003	33,604	46,854		45,830	44,806	57,288	56,008	28,003	33,604	46,854		45,830	44,806	57,288	56,008
	Speed			rpm	1,360									900														
Sound power level (SS)	Cooling	Nom.		dBA	84	87	89	91	90	92	91	92	94	95	96	96.3	96.6	96.8	97.5	97.8	94	94.9	95.9	96.3	96.6	96.8	97.5	97.8
Sound power level (SL)	Cooling	Nom.		dBA	83	85	87	88		89		91	92	93	92.9		93		93.9		90.8	91.6	92.8	92.9		93	93.9	
Sound pressure level (SS)	Cooling	Nom.		dBA	66	69	71	73	71	74	72	73	74	75	76	76.3	76.6	76.8	77.1	77.4	74.5	75.4	75.9	76.3	76.6	76.8	77.1	77.4
Sound pressure level (SL)	Cooling	Nom.		dBA	65	67	69	70	69		70		71	72	73	72.9		73	73.5		71.3	72.1	72.8	72.9		73	73.5	
Refrigerant	Type				R-32																							
	Charge (SS)			kg	12.7	15.8	18.5	26	34	34.8	37.2	41.4	41.7	48	47.1	48.6	60.3	70	78.5	87	41.7	48	47.1	48.6	60.3	70	78.5	87
	Charge (SL)			kg	12.7	15.8	18.5	26	34	34.8	37.2	41.4	39.9	48	48.1	48.6	50	70	78.5	80	39.9	48	48.1	48.6	50	70	78.5	80
	Circuits	Quantity			1			2	1										2									
Piping connections	Evaporator water inlet/outlet (OD)				88.9														114.3		88.9						114.3	
Unit	Starting current	Max		A	211.0	327.0	343.0	464.0	408.0	495.0	425.0	439.0	564.0	598.0	636.0	666.0	712.0	757.0	795.0	825.0	564	598	636	666	712	757	795	825
	Running current	Cooling	Nom.	A	54.0	66.0	76.0	99.0	125.0	123.0	133.0	146.0	174.0	198.0	227.0	253.0	291.0	328.0	353.0	372.0	175	198	228	253	292	329	354	373
Unit	Running current	Max		A	68.0	85.0	101.0	131.0	166.0	163.0	183.0	197.0	232.0	266.0	304.0	334.0	379.0	425.0	463.0	493.0	232	266	304	334	379	425	463	493
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																							

Air cooled multi-scroll heat pump, standard efficiency, reduced sound

- First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



EWYT-B-SR MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWYT-B-SR

Heating & Cooling				EWYT-B-SR	085	105	135	175	205	215	235	255	300	340	390	430	490	540	590	630
SEER					3.82	3.93	3.87	3.96	3.92	3.82	3.83	3.84	4.18	4.37	4.21	4.19	4.49		4.46	4.52
Space heating	Average climate water outlet 35°C	General	SCOP		3.35	3.40	3.37	3.42	3.44	3.43	3.32	3.33	3.42	3.49		3.57	3.65	3.60	3.67	3.66
			Seasonal space heating eff. class		A+		-													
Cooling capacity	Nom.			kW	74	96	119	150	186	189	209	226	265	311	344	368	424	470	519	557
Heating capacity	Nom.			kW	80.91	105.24	131.02	167.11	207.27	209.99	233.05	251.28	295.81	335.24	384.62	426.79	477.49	528.73	581.03	615.34
Power input	Cooling	Nom.		kW	28.7	37.4	45.5	59.5	73.2	74.3	80.7	88.8	102	117	131	147	172	195	207	221
	Heating	Nom.		kW	27.99	36.24	44.84	58.45	71.9	73.28	81.39	86.29	102.09	113.54	132.02	144.34	160.28	178.33	194.13	206.57
Capacity control	Method				Step															
	Minimum capacity			%	50	38	50	38	19	50	17	25	22	19	17	25	22	19	18	17
EER					2.56	2.58	2.61	2.53	2.54	2.55	2.59	2.55	2.59	2.64	2.61	2.5	2.46	2.41	2.5	2.51
COP					2.891	2.904	2.922	2.859	2.883	2.866	2.863	2.912	2.898	2.953	2.913	2.957	2.979	2.965	2.993	2.979
IPLV					4.36	4.24	4.3	4.38	4.29		4.28	4.26	4.29	4.69	4.58	4.61	4.78	4.89	4.82	4.91
Dimensions	Unit	Height		mm	1,800								2,514							
		Width		mm	1,195								2,282							
		Length		mm	2,225	2,825	3,425		4,350	4,025	4,950		3,225		4,125				5,025	
Weight	Unit			kg	985	1,095	1,195	1,350	1,530		1,830	1,855	2,260	2,410	3,340	3,350	3,340	3,530	4,427	
	Operation weight			kg	992	1,102	1,202	1,357	1,541		1,841	1,869	2,274	2,430	3,360	3,370	3,367	3,557	4,462	4,468
Water heat exchanger	Type				Plate heat exchanger															
	Water volume			l	7				11			14		20			27		35	41
	Water flow rate	Cooling	Nom.	l/s	3.5	4.6	5.7	7.2	8.9	9	10	10.8	12.7	14.8	16.4	17.5	20.2	22.4	24.8	26.6
	Water pressure drop	Cooling	Nom.	kPa	14.4	23.4	34.2	52.2	43.5	44.8	53.5	43.6	58.1	47.6	57	64.4	56.3	67.8	56	63.4
Air heat exchanger	Type				High efficiency fin and tube type															
Compressor	Type				Scroll compressor															
	Quantity				2				4	2	4						5	6		
Fan	Type				Direct propeller															
	Quantity				4	6	8		10		12		5	6	8				10	
	Air flow rate	Nom.		l/s	6,026	9,483	12,644	12,052	15,064	15,065	18,078		23,608	28,330	39,446		38,610	37,774	48,262	47,216
	Speed			rpm	1,200								780							
Sound power level	Cooling	Nom.		dBA	78	82	84	85	84	87	86		87	88	89	89.3	89.4	89.5	90.4	90.5
Sound pressure level	Cooling	Nom.		dBA	60	64	65	67	66	68	67		68		69	69.3	69.4	69.5	70	70.1
Refrigerant	Type				R-32															
	Charge			kg	13.3	14.7	19.3	24.5	29	34	36.2	43	40.3	47.2	50.4	79	58.5	68.8	77.6	82
	Circuits	Quantity			1				2	1	2									
Piping connections	Evaporator water inlet/outlet (OD)				88.9															114.3
Unit	Starting current	Max		A	211.0	327.0	343.0	464.0	408.0	495.0	425.0	439.0	564.0	598.0	636.0	666.0	712.0	757.0	795.0	825.0
	Running current	Cooling	Nom.	A	55.0	67.0	77.0	101.0	128.0	126.0	136.0	149.0	173.0	196.0	224.0	251.0	292.0	330.0	353.0	373.0
Unit	Running current	Max		A	68.0	85.0	101.0	131.0	166.0	163.0	183.0	197.0	232.0	266.0	304.0	334.0	379.0	425.0	463.0	493.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400															

Air cooled multi-scroll heat pump, high efficiency, standard/low sound

- First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



EWYT-B-XS/XL

More details and final information can be found by scanning or clicking the QR codes.

EWYT-B-XS

EWYT-B-XL

Heating & Cooling				EWYT-B-XS/XL	085	115	135	175	215	215	235	265	310	350	400	440	500	560	600	630	650	VFDFAN 310	VFDFAN 350	VFDFAN 400	VFDFAN 440	VFDFAN 500	VFDFAN 560	VFDFAN 600	VFDFAN 630	VFDFAN 650
SEER					4.24	4.38	4.24	4.45	4.41	4.21	4.4	4.13	4.57	4.67	4.54	4.57	4.72	4.71	4.7	4.69	4.4	4.66	4.81	4.68	4.63	4.86	4.83	4.83	4.82	4.58
Space heating	Average climate water outlet 35°C	General	SCOP		3.70	3.72	3.70	3.67	3.70	3.66	3.86	3.77	3.90		3.82	3.85	3.83	3.81	3.79	3.76	3.53	3.96	3.97	3.93	3.91	3.96	3.93	3.87		3.68
			Seasonal space heating eff. class		A+																-										
Cooling capacity	Nom.			kW	80	104	126	166	206		229	250	288	328	370	406	467	519	560	597	610	288	328	370	406	467	519	560	597	610
Heating capacity	Nom.			kW	85.86	111.02	133.18	176.29	214.81	218.29	239.37	260.83	305.53	349.96	400.64	443.87	500.13	555.95	598.67	633.91	649.7	305.53	349.96	400.64	443.87	500.13	555.95	598.67	633.91	649.7
Power input	Cooling	Nom.		kW	26.3	35.1	42.1	56.6	68	71.8	74.9	83.4	93.9	107	122	134	158	177	193	204	207	94.1	107	123	135	158	177	193	205	207
	Heating	Nom.		kW	26.06	33.19	39.11	51.68	62.55	64.91	69.49	76.15	88.61	101.7	117.65	127.8	147.3	165.04	179.94	191.66	203.16	88.81	101.93	117.94	128.08	147.63	165.38	180.33	192.05	203.95
Capacity control	Method				Step																									
	Minimum capacity			%	50	38	50	38	19	50	17	25	22	19	17	25	22	19	18	17		22	19	17	25	22	19	18	17	
EER					3.03	2.95	2.99	2.93	3.03	2.86	3.06	3	3.06	3.05	3.02	3.01	2.95	2.93	2.9	2.92	2.95	3.06	3.05	3.01		2.95	2.92	2.9	2.91	2.94
COP					3.295	3.345	3.405	3.411	3.434	3.363	3.444	3.425	3.448	3.441	3.405	3.473	3.395	3.369	3.327	3.308	3.198	3.44	3.433	3.397	3.466	3.388	3.362	3.32	3.301	3.186
IPLV					4.75		4.69		4.87	4.72	4.87	4.64	4.94		4.96	5	5.1	5.08		5.05	4.66	4.97	5.16	5.13	5.16	5.3	5.29	5.22	5.16	4.99
Dimensions	Unit	Height		mm	1,800								2,514																	
		Width		mm	1,195								2,282																	
		Length		mm	2,825	3,425		4,025	5,550	4,625	6,150		4,125		5,025		5,925		6,825			4,125		5,025		5,925		6,825		
Weight (XS)	Unit			kg	1,080	1,140	1,220	1,400	2,000	1,600	2,300	2,350	2,830	3,080	3,650	3,750	4,206	4,296	4,760	4,860		2,830	3,080	3,650	3,750	4,206	4,296	4,760	4,860	
	Operation weight			kg	1,091	1,151	1,231	1,416	2,035	1,616	2,335	2,385	2,865	3,115	3,685	3,812	4,268	4,366	4,830	4,930		2,865	3,115	3,685.37	3,811.88	4,267.88	4,366.2	4,830.2	4,930.2	
Weight (XL)	Unit			kg	1,110	1,170	1,250	1,430	2,030	1,610	2,330	2,380	3,140	3,240	3,810	3,910	4,366	4,456	4,920	5,020		3,140	3,240	3,650	3,750	4,206	4,296	4,760	4,860	
	Operation weight			kg	1,121	1,181	1,261	1,446	2,065	1,626	2,365	2,415	3,175	3,275	3,845	3,972	4,428	4,526	4,990	5,090		3,175	3,275	3,685.37	3,811.88	4,267.88	4,366.2	4,830.2	4,930.2	
Water heat exchanger	Type				Plate heat exchanger																									
	Water volume			l	11			16	35	16	35				62		70					35			62			70		
	Water flow rate	Cooling	Nom.	l/s	3.8	5	6	7.9	9.8		10.9	11.9	13.7	15.7	17.7	19.4	22.3	24.7	26.7	28.5	29.1	13.7	15.7	17.7	19.4	22.3	24.7	26.7	28.5	29.1
	Water pressure drop	Cooling	Nom.	kPa	9.49	15.2	21.5	20.1	12	29.6	14.6	17.1	22	27.9	34.7	23.6	30.4	33.6	38.6	43.2	45	22	27.9	34.7	23.6	30.4	33.6	38.6	43.2	45
Air heat exchanger	Type				High efficiency fin and tube type																									
Compressor	Type				Scroll compressor																									
	Quantity				2			4	2		4					5	6					4				5	6			
Fan	Type				Direct propeller																									
	Quantity				6	8		10	14	12	16		7	8	10		12		14			7	8	10		12		14		
	Air flow rate	Nom.		l/s	9,039	12,644	12,052	15,065	21,090	18,078	24,104		29,593	33,820	43,351	42,276	52,021	50,730	60,692	59,186	78,410	29,593	33,820	43,351	42,276	52,021	50,730	60,692	59,186	78,410
	Speed			rpm	1,200								700							900		700								900	
Sound power level (XS)	Cooling	Nom.		dBA	81	86	88	90	89	91	90	91	92	93	94.2	94.8	95.3	95.6	96.1	96.5	98.4	92.4	93.4	94.2	94.8	95.3	95.6	96.1	96.5	98.4
Sound power level (XL)	Cooling	Nom.		dBA	79.5	82.6	84.1	86.2	85.4	87.5	86.4	87.1	86	87	88	88.2	88.9	89	89.6	89.7	95.3	86.4	87.1	88	88.2	88.9	89	89.6	89.7	95.3
Sound pressure level (XS)	Cooling	Nom.		dBA	63	67	69	71	69	73	70	71	72	73	73.8	74.4	74.5	74.8	75	75.4	77.3	72.4	73.4	73.8	74.4	74.5	74.8	75	75.4	77.3
Sound pressure level (XL)	Cooling	Nom.		dBA	61	64	65	67	66	68	66	67	66	67	67.6	67.8	68.1	68.2	68.5	68.6	74.2	66.4	67.1	67.6	67.8	68.1	68.2	68.5	68.6	74.2
Refrigerant	Type				R-32																									
	Charge (XS)			kg	17.7	18.3	22	33.7	42.4	51.6	48.6	46	52.4	60.4	70.5	84	87.5	92	114	100	113	52.4	60.4	70.5	84	87.5	92	114	100	113
	Charge (XL)			kg	17.7	18.3	22	33.7	42.4	51.6	48.6	46	52.4	63	68.5	78	88.5	93	108	104	113	52.4	63	68.5	78	88.5	93	108	104	113
	Circuits	Quantity			1			2	1				2																	
Piping connections	Evaporator water inlet/outlet (OD)				88.9								114.3									88.9			114.3					
Unit	Starting current	Max		A	213.0	329.0	343.0	465.0	412.0	497.0	429.0	443.0	562.0	594.0	629.0	659.0	710.0	755.0	790.0	820.0	841.0	572	606	644	674	728	773	811	841	
	Running current	Cooling	Nom.	A	53.0	65.0	75.0	99.0	122.0	123.0	132.0	143.0	170.0	192.0	215.0	236.0	276.0	313.0	338.0	358.0	361.0	170	193	216	237	277	313	339	359	362
Unit	Running current	Max		A	70.0	87.0	101.0	133.0	170.0	165.0	186.0	201.0	229.0	262.0	297.0	327.0	377.0	423.0	458.0	488.0	509.0	240	274	312	342	395	441	479	509	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																									

Air cooled multi-scroll heat pump, high efficiency, reduced sound

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- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



EWYT-B

More details and final information can be found by scanning or clicking the QR codes.

EWYT-B-XR

Heating & Cooling				EWYT-B-XR	085	115	135	175	215	215	235	265	310	350	400	440	500	560	600	630	650
SEER					4.21	4.37	4.21	4.41	4.16	4.42	4.43	4.13	4.74	4.8	4.82	4.63	4.92	4.89	4.83	4.79	4.72
Space heating	Average climate water outlet 35°C	General	SCOP		3.66	3.71	3.65	3.83	3.74	3.70	3.82	3.81	4.06	4.01	3.95	4.03	3.99	4.04	4.00	3.98	3.88
			Seasonal space heating eff. class		A+		-														
Cooling capacity	Nom.			kW	79	103	124	164	203	204	227	247	282	321	364	398	458	507	548	583	600
Heating capacity	Nom.			kW	84.9	110.32	132.02	174.14	216.57	213.48	237.57	256.58	301.04	344.8	395.81	438.23	494.13	549.6	588.57	620.71	637.4
Power input	Cooling	Nom.		kW	26.6	35.4	42.6	57.4	72.9	68.8	75.7	84.4	95.2	109	124	136	160	180	196	208	203
	Heating	Nom.		kW	25.87	32.94	38.82	51.3	64.51	62.13	68.99	75.49	86.32	99.1	114.46	124.61	143.5	161.2	175.33	186.93	193.22
Capacity control	Method				Step																
	Minimum capacity			%	50	38	50	38	50	19	17	25	22	19	17	25	22	19	18	17	
EER					2.98	2.9	2.92	2.86	2.79	2.97	3	2.93	2.96	2.95	2.93	2.91	2.85	2.81	2.8		2.94
COP					3.282	3.349	3.401	3.394	3.357	3.436	3.443	3.399	3.487	3.479	3.458	3.517	3.443	3.409	3.357	3.321	3.299
IPLV					4.73		4.67	4.65	4.67	4.86	4.82	4.62	4.92	5.12	5.26	5.12	5.34	5.32	5.22	5.23	5.19
Dimensions	Unit	Height		mm	1,800								2,514								
		Width		mm	1,195								2,282								
		Length		mm	2,825	3,425		4,025	4,625	5,550	6,150		4,125		5,025		5,925		6,825		
Weight	Unit			kg	1,110	1,170	1,250	1,430	1,610	2,030	2,330	2,380	3,140	3,240	3,810	3,910	4,366	4,456	4,920	5,020	
	Operation weight			kg	1,121	1,181	1,261	1,446	1,626	2,065	2,365	2,415	3,175	3,275	3,845	3,972	4,428	4,526	4,990	5,090	
Water heat exchanger	Type				Plate heat exchanger																
	Water volume			l	11			16		35						62			70		
	Water flow rate	Cooling	Nom.	l/s	3.8	4.9	5.9	7.8	9.7		10.8	11.8	13.4	15.3	17.3	19	21.8	24.2	26.2	27.8	28.6
	Water pressure drop	Cooling	Nom.	kPa	9.33	14.9	21.1	19.6	28.9	11.8	14.3	16.8	21.2	26.8	33.5	22.7	29.2	32.2	37.1	41.4	43.7
Air heat exchanger	Type				High efficiency fin and tube type																
Compressor	Type				Scroll compressor																
	Quantity				2					4							5		6		
Fan	Type				Direct propeller																
	Quantity				6	8		10	12	14	16		7	8	10		12		14		
	Air flow rate	Nom.		l/s	8,298	11,630	11,064	13,830	16,596	19,362	22,128		25,074	28,656	36,808	35,820	44,169	42,984	51,531	50,148	66,104
	Speed			rpm	1,108								600								780
Sound power level	Cooling	Nom.		dBA	77	81	83	85	87	84	85	86	84		85.2	85.5	86.2	86.3	86.9	87.1	91.6
Sound pressure level	Cooling	Nom.		dBA	59	63	65	67	68	65		66	64		64.8	65.1	65.4	65.5	65.8	66	70.5
Refrigerant	Type				R-32																
	Charge			kg	17.4	18.4	21.5	30	40	44.6	50	53.4	54.4	62	71.5	78	89	93	103.4	106	109
	Circuits	Quantity			1					2											
Piping connections	Evaporator water inlet/outlet (OD)				88.9										114.3						
Unit	Starting current	Max		A	213.0	329.0	343.0	465.0	497.0	412.0	429.0	443.0	572.0	606.0	644.0	674.0	728.0	773.0	811.0	841.0	
	Running current	Cooling	Nom.	A	53.0	65.0	75.0	100.0	124.0	123.0	133.0	145.0	169.0	192.0	214.0	237.0	276.0	315.0	339.0	360.0	353.0
Unit	Running current	Max		A	70.0	87.0	101.0	133.0	165.0	170.0	186.0	201.0	240.0	274.0	312.0	342.0	395.0	441.0	479.0	509.0	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																

EWYT-CZI

INVERTER

Air cooled scroll inverter heat pump, split version

› Inverter Heat Pump in Split version
› Daikin scroll compressor
› High part load efficiency for low running cost
› Glycol free application
› Wide operation range and hot water production up to 60°C
› Integrated hydronic module as standard



EWYT-CZI

More details and final information can be found by scanning or clicking the QR codes.

EWYT-CZI

Indoor Unit				EWYT	021CZI-A1	032CZI-A1	040CZI-A1	064CZI-A2
Casing	Colour				Ivory white			
	Material				Galvanized and painted steel sheet			
Dimensions	Unit	HeightxWidthxDepth		mm	700x1,120x830			
Weight	Unit			kg	133	144		172
Operation range	Heating	Ambient	Min.~Max.	°C	-20 ~35			
		Water side	Min.~Max.	°C	20 ~60			
	Cooling	Ambient	Min.~Max.	°CDB	-20 ~45			
		Water side	Min.~Max.	°C	4 ~20			
Sound power level	Nom.			dBA	63.0	64.5		66.0

EWYT-CZO

INVERTER

Air cooled scroll inverter heat pump, split version

› Inverter Heat Pump in Split version
› Daikin scroll compressor
› High part load efficiency for low running cost
› Glycol free application
› Wide operation range and hot water production up to 60°C
› Integrated hydronic module as standard

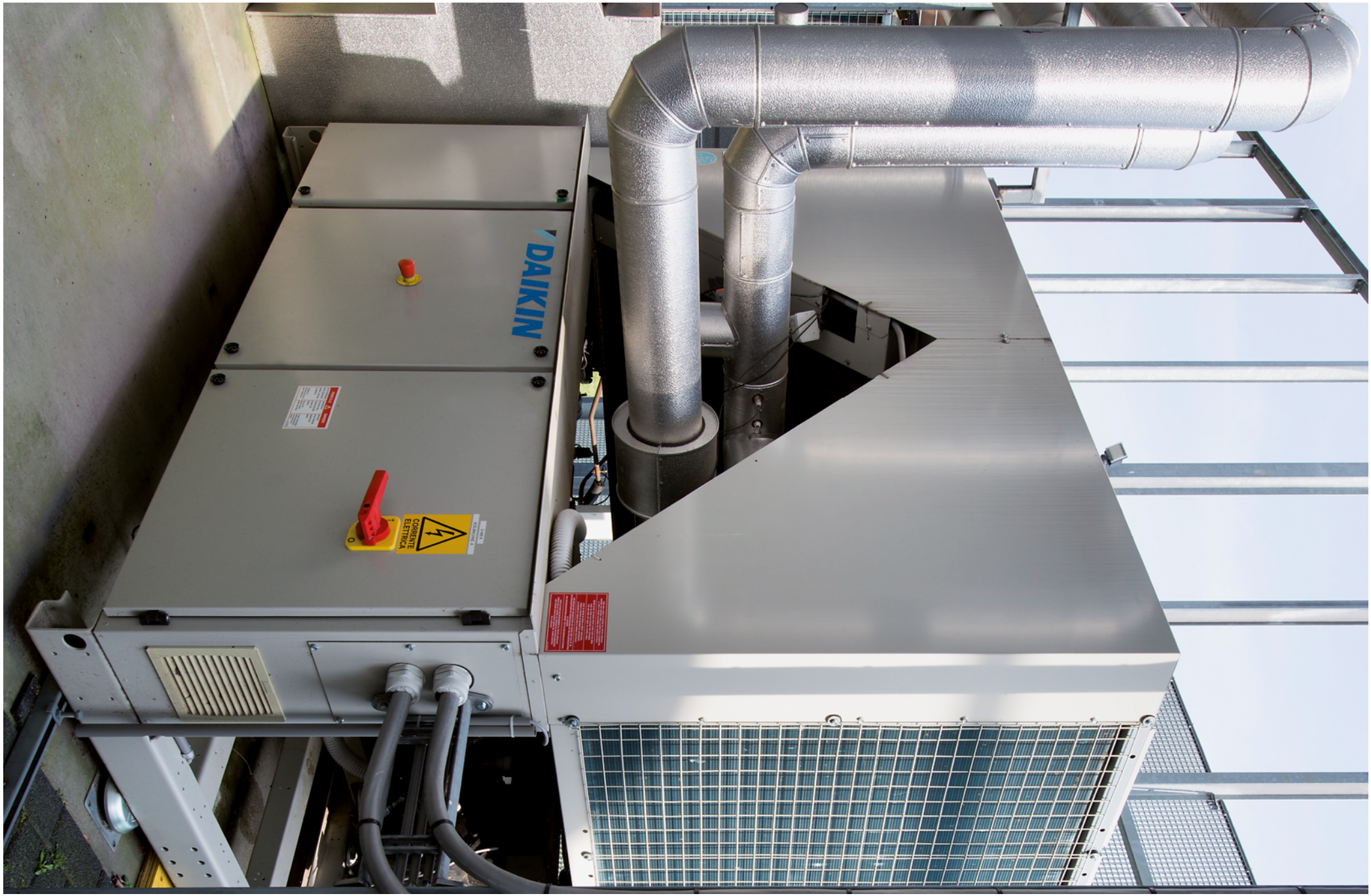


EWYT-CZO

More details and final information can be found by scanning or clicking the QR codes.

EWYT-CZO

Outdoor Unit			EWYT	021CZO-A1	032CZO-A1	040CZO-A1	064CZO-A2
Dimensions	Unit	HeightxWidthxDepth	mm	1,878x1,152x802	1,878x1,752x802		1,878x2,906x814
Weight	Unit		kg	265	357		620
Compressor	Quantity			1			2
	Type			Scroll compressor			
Refrigerant	Type			R-32			
	GWP			675.0			
	Charge		kg	7.3	9.5	9.8	16.6
	Charge		TCO2Eq	4,928.0	6,422.0	6,635.0	11,255.0
Sound power level	Cooling	Nom.	dBA	76.0	79.0	80.0	83.0
Sound pressure level	Cooling	Nom.	dBA	59.6	62.2	63.2	65.4
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /400			


DAIKIN
CORRENTE ELETTRICA

INVERTER

Air cooled screw inverter heat pump, standard efficiency, standard sound

- Ideal solution for commercial comfort cooling and/or heating applications
- Optimum ESEER values
- 2-3 truly independent refrigerant circuits
- Low starting current
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Standard electronic expansion valve
- Optimised defrost cycles
- Partial and total heat recovery option available
- Power factor up to 0.95
- PID microprocessor control



EWYD-BZSS

More details and final information can be found by scanning or clicking the QR codes.

EWYD-BZSS

Heating & Cooling				EWYD-BZSS	250	270	290	320	340	370	380	410	440	460	510	530	570
SEER					-										4.57		4.55
Space heating	Average climate water outlet 35°C	General	SCOP		3.21		3.20		3.21				3.20		-		
Cooling capacity	Nom.			kW	253	272	291	323	337	363	380	411	433	455	515	533	569
Heating capacity	Nom.			kW	271	298	325	334	350	380	412	445	465	477	532.86	560.55	618.33
Power input	Cooling	Nom.		kW	91.3	101	110	117	125	135	144	154	165	163	183	189	217
	Heating	Nom.		kW	91.4	100	108	118	126	133	143	157	167	165	177.37	184.84	208.14
Capacity control	Method				Stepless												
	Minimum capacity			%	13.0									9.0	9		
EER					2.77	2.70	2.65	2.75	2.69	2.68	2.63	2.66	2.62	2.79	2.81		2.62
ESEER					3.93	3.92	3.89	3.95	3.89	3.90	3.82	3.91	3.89	4.18	-		
COP					2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	3.004	3.033	2.971
IPLV					4.58	4.62		4.75	4.64	4.71	4.67	4.73	4.69	4.85	4.89	4.85	4.77
Dimensions	Unit	Height		mm	2,335									2,280	2,280		
		Width		mm	2,254										2,254		
		Length		mm	3,547			4,428				5,329		6,659	6,659		
Weight	Unit			kg	3,410	3,455	3,500	3,870		3,940	4,010	4,390		5,015	5,495	5,735	
	Operation weight			kg	3,550	3,595	3,640	4,010		4,068	4,138	4,518		5,255	5,724	5,964	5,953
Water heat exchanger	Type				Single pass shell & tube										Shell and tube		
	Water volume			l	138			133			128			240	229		218
	Water flow rate	Cooling	Nom.	l/s	12.1	13.0	13.9	15.5	16.2	17.4	18.2	19.7	20.8	21.8	24.7	25.5	27.3
		Heating	Nom.	l/s	13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0	-		
	Water pressure drop	Cooling	Nom.	kPa	40	46	44	50	55	60	65	74	80	47	68.4	46.5	52.4
		Heating	Nom.	kPa	30	35	52	37	40	45	51	59	64	42	-		
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler										High efficiency fin and tube type		
Compressor	Type				Single screw compressor												
	Quantity				2									3	3		
Fan	Type				Direct propeller												
	Quantity				6			8				10		12	12		
	Air flow rate	Nom.		l/s	31,729	31,422	31,115	42,306		42,337	41,487	52,882		63,458	62,640	61,652	48,191
	Speed			rpm	900										900		
Sound power level	Cooling	Nom.		dBA	101							102		104	103.6		
Sound pressure level	Cooling	Nom.		dBA	82							83		84	83.7		
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45										-~-		
		Heating	Min.~Max.	°CDB	-10~20										-~-		
	Water side	Cooling	Min.~Max.	°CDB	-8~15										-~-		
		Heating	Min.~Max.	°CDB	35~55										-~-		
Refrigerant	Type/GWP				R-134a/1,430										R-134a/-		
	Charge			kg	-										141		147
	Circuits	Quantity			2									3	3		
Refrigerant charge	Per circuit			kg	43.0	44.0	43.0	46.0	46.5		47.0	50.0		47.0	-		
	Per circuit			TCO2Eq	61.5	62.9	61.5	65.8	66.5		67.2	71.5		67.2	-		
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm									219.1mm			
Unit	Starting current	Max		A	150			181	204			224	238	245	327	355	344
	Running current	Cooling	Nom.	A	137	150	164	176	188	202	214	229	244	246	298	310	349
		Max		A	211		212	254	288			316	336	329	433	474	458
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										3~/50 /400		

INVERTER

Air cooled screw inverter heat pump, standard efficiency, low sound

- Ideal solution for commercial comfort cooling and/or heating applications
- Optimum ESEER values
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- PID microprocessor control



EWYD-BZSL

More details and final information can be found by scanning or clicking the QR codes.

EWYD-BZSL

Heating & Cooling					EWYD-BZSL	250	270	290	320	330	360	370	400	430	450	510	530	570
SEER						-										4.56	4.6	4.55
Space heating	Average climate water outlet 35°C	General	SCOP			3.21		3.20		3.21				3.20		-		
Cooling capacity	Nom.			kW		247	265	290	315	330	353	370	401	423	446	503	519	569
Heating capacity	Nom.			kW		271	298	325	334	350	380	412	445	465	477	532.86	560.55	618.33
Power input	Cooling	Nom.		kW		89.5	99.5	110	115	123	134	144	151	163	158	178	185	217
	Heating	Nom.		kW		91.4	100	108	118	126	133	143	157	167	165	177.37	184.84	208.14
Capacity control	Method					Stepless												
	Minimum capacity			%		13.0									9.0	9		
EER						2.76	2.66	2.62	2.75	2.68	2.64	2.57	2.66	2.59	2.83	2.82	2.8	2.62
ESEER						4.06	4.04	4.03	4.17	4.09	4.04	4.01	4.06	4.02	4.18	-		
COP						2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	3.004	3.033	2.971
IPLV						4.90	4.96	4.91	5.17	5.08	5.12	5.06	5.22	5.13	5.07	5.03	4.99	4.89
Dimensions	Unit	Height		mm		2,335									2,280	2,280		
		Width		mm		2,254										2,254		
		Length		mm		3,547			4,428				5,329		6,659	6,659		
Weight	Unit			kg		3,750	3,795	3,840	4,210		4,280	4,350	4,730		5,525	6,005	6,245	
	Operation weight			kg		3,888	3,933	3,978	4,343		4,408	4,478	4,858		5,765	6,234	6,474	6,463
Water heat exchanger	Type					Single pass shell & tube										Shell and tube		
	Water volume			l		138			133		128				240	229		218
	Water flow rate	Cooling	Nom.	l/s		11.8	12.7	13.9	15.1	15.8	16.9	17.7	19.2	20.3	21.4	24.1	24.9	27.3
		Heating	Nom.	l/s		13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0	-		
	Water pressure drop	Cooling	Nom.	kPa		38	44	42	48	53	57	62	71	77	45	65.5	44.4	52.4
		Heating	Nom.	kPa		30	35	52	37	40	45	51	59	64	42	-		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler										High efficiency fin and tube type		
Compressor	Type					Single screw compressor												
	Quantity					2									3	3		
Fan	Type					Direct propeller												
	Quantity					6			8				10		12	12		
	Air flow rate	Nom.		l/s		-										48,415	47,732	48,191
		Cooling	Nom.	l/s		24,432	24,264	24,095	32,576		32,628	32,127	40,720		48,863	-		
	Speed			rpm		700										900		
Sound power level	Cooling	Nom.		dBA		94			95						97	97		
Sound pressure level	Cooling	Nom.		dBA		76									77	77.2		
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~45										-~-		
		Heating	Min.~Max.	°CDB		-10~20										-~-		
	Water side	Cooling	Min.~Max.	°CDB		-8~15										-~-		
Operation range	Water side	Heating	Min.~Max.	°CDB		35~55										-~-		
Refrigerant	Type/GWP					R-134a/1,430										R-134a/-		
	Charge			kg		-										141		147
	Circuits	Quantity				2									3	3		
Refrigerant charge	Per circuit			kg		43.0	44.0	43.0	46.0	46.5		47.0	50.0		47.0	-		
	Per circuit			TCO2Eq		61.5	62.9	61.5	65.8	66.5		67.2	71.5		67.2	-		
Piping connections	Evaporator water inlet/outlet (OD)					139.7mm									219.1mm			
Unit	Starting current	Max		A		145	146		176	199			217	231	234	316	344	
	Running current	Cooling	Nom.	A		134	148	163	171	184	199	212	224	240	238	291	305	349
		Max		A		202	203		243	277			302	322	313	416	458	
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400										3~/50 /400		

EWYD-4Z
Air to water
Multipurpose unit



4-pipe system solution with full inverter technology
For independent and simultaneous cooling and heating all year round

1

Top class efficiency

Total Energy Ratio up to 8.8

Full inverter technology: the best choice for every application

Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology

The inverter integrated in the compressor is refrigerant cooled:

› Safe and robust cooling system, totally independent from outdoor ambient conditions and air quality.
› Suitable even for aggressive installation such as industrial or desert application.

The volume ratio will change by moving the sliding valves. **VVR** changes the point at which the gas leaves the compressor, and therefore changes the pressures at discharge which will be optimal at any condition.

2

Easy part load calculation via the tool CSS WEB

Upon defining the design condition in the unit selection page it is possible to calculate the unit performances in every in-between condition with a different load

3

Best solution for simultaneous cooling and heating

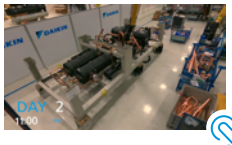
Big multipurpose buildings, hotels, hospital are just a few examples of application for multipurpose units

Check on YouTube
www.youtube.com/DaikinEurope

› Daikin EWYD-4Z Multipurpose Unit



› Daikin EWYD-4Z Multipurpose Unit – Behind the scenes

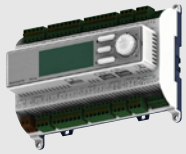


Air to Water Multipurpose unit

- Best solution for independent and simultaneous cooling and heating all year round
- Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
- High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
- Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality



EWYD-4ZXSB2



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWYD-4ZXSB2

Multipurpose		EWYD-4ZXSB2		400	450	500	550	600	650	700	800
Air to water – cooling only (1)		Nominal Rated Capacity – Net	kW	402.4	438.4	502.8	523.4	602.4	653.7	702.9	785.7
		EER – Net		3.17	3.15	3.25	3.08	3.25	3.19	3.37	3.29
Air to water – heating only (2)		Nom. Rated Capacity – Net	kW	402.7	439.7	503.5	545.2	600.9	654.7	702.4	803.0
		COP – Net		3.33	3.41	3.45	3.44	3.45	3.38	3.55	3.54
Water to water – Cooling + heating (3)		Nom. Rated Capacity COOLNG – Net	kW	313.2	351.6	393.9	430.4	479.4	516	553.3	634.4
		Nom. Rated Capacity HEATING – Net	kW	402.4	449.3	503.4	549.4	608.8	658.3	707.1	808.9
		TER – Net		8.03	8.19	8.2	8.24	8.4	8.25	8.2	8.27
Dimensions		Height	mm	2,465							
		Width	mm	2,285							
		Length	mm	5,825		6,725		7,625	8,525		
Weight		Unit Weight	kg	6,075	6,095	6,870	6,870	7,850	8,435	9,405	9,430
		Operating Weight	kg	6,540	6,560	7,560	7,560	8,935	9,540	10,785	10,820
		Cold/Hot side water connections	mm	219.1							
Sound level		Sound Power – Cooling (4)	dB(A)	99	98	99		100		102	
		Sound Pressure – Cooling at 1 m (5)	dB(A)	78	77		78		79	80	
Water heat exchangers	Cold Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (1)	l/s	19.3	21.0	24.1	25.1	28.8	31.3	33.6	37.6
		Water pressure drop (1)	kPa	42.0	50.8	40.1	47.8	48.0	34.2	40.7	37.1
	Hot Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (2)	l/s	9.1	9.1	13.4	13.4	14.6	19.5	20.8	26.1
		Water pressure drop (2)	kPa	19.4	21.146	24.3	26.334	29	31.6	33.9	38.7
Fan		Quantity	n	10		12		14	16		
		Nominal air flow (1)	l/s	56,550		67,860		79,170	90,480		
Compressor		Type		Single screw							
		Oil charge	l	28						38	
		Quantity	n.	2							
Refrigerant circuit		Refrigerant type		R134a							
		Refrigerant charge	kg	198	207	200	219	247	260	328	354
		Circuits	n.	2							
Power Supply		Phase/Frequency/Voltage	Hz/V	3~/50/400							

Fluid: Water; Fouling factor = 0

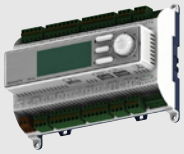
(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.
(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.
(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.
(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.
(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding.
All the above data are referred to standard units without options and are subject to change without notice.

Air to Water Multipurpose unit

- Best solution for independent and simultaneous cooling and heating all year round
- Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
- High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
- Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality



EWYD-4ZXL/XRB2



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWYD-4ZXRB2

Multipurpose		EWYD-4ZXRB2		400	450	500	550	600	650	700	800
Air to water – cooling only (1)		Nominal Rated Capacity – Net	kW	357.9	400.4	451.9	496.2	548.0	596.5	619.1	690.0
		EER – Net		3.05	3.06	3.12	3.06	3.11	3.07	3.19	3.08
Air to water – heating only (2)		Nom. Rated Capacity – Net	kW	358.3	398.7	452.2	493.4	550.7	601	620.9	690.8
		COP – Net		3.48	3.65	3.65	3.63	3.59	3.55	3.67	3.71
Water to water – Cooling + heating (3)		Nom. Rated Capacity COOLNG – Net	kW	281.5	312.7	351.1	383.1	435.2	473.1	489.3	543.8
		Nom. Rated Capacity HEATING – Net	kW	361.4	399.5	448.1	487.9	550.5	602.1	625.3	693.3
		TER – Net		8.04	8.20	8.24	8.31	8.55	8.33	8.19	8.27
Dimensions		Height	mm	2,465							
		Width	mm	2,285							
		Length	mm	5,825		6,725		7,625	8,525		
Weight		Unit Weight	kg	6,240	6,260	7,035	7,035	8,015	8,600	9,690	9,715
		Operating Weight	kg	6,705	6,725	7,725	7,725	9,100	9,705	11,075	11,110
		Cold/Hot side water connections	mm	219.1							
Sound level		Sound Power – Cooling (4)	dB(A)	87	86	87		88		90	
		Sound Pressure – Cooling at 1 m (5)	dB(A)	66						68	69
Water heat exchangers	Cold Side	Water Volume	l	126		214		369	361	468	
		Water flow rate (1)	l/s	17.1	19.2	21.6	23.7	26.2	28.5	29.6	33.0
		Water pressure drop (1)	kPa	31.8	37.1	31.7	38.7	39	27	33.7	28.1
	Hot Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (2)	l/s	17.3	19.2	21.8	23.8	26.6	29.0	30.0	33.3
		Water pressure drop (2)	kPa	31.8	38.5	27.7	33.6	32	23.8	28.5	24.4
Fan		Quantity	n	10		12		14	16		
		Nominal air flow (1)	l/s	36,110		43,332		50,554	57,776		
Compressor		Type		Single screw							
		Oil charge	l	28						38	
		Quantity	n.	2							
Refrigerant circuit		Refrigerant type		R134a							
		Refrigerant charge	kg	206	207	224	226	248	260	320	348
		Circuits	n.	2							
Power Supply		Phase/Frequency/Voltage	Hz/V	3~/50/400							

Fluid: Water; Fouling factor = 0

(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.

(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.

(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.

(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.

(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding.
All the above data are referred to standard units without options and are subject to change without notice.

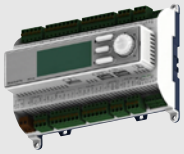


Air cooled screw condensing unit, standard efficiency, standard sound

› One refrigerant circuit with single screw compressor
› Compact design
› Large operation range (ambient temperature down to -18°C)
› Extensive option list (heat recovery option available)



ERAD-E-SS/SL



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

ERAD-E-SS

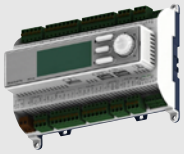
Cooling only				ERAD-E-SS	120	140	170	200	220	250	310	370	440	490
Cooling capacity	Nom.			kW	121	144	165	196	219	251	309	370	435	488
Power input	Cooling	Nom.		kW	42.1	51.2	57.7	65.6	74.2	77.0	93.8	123	148	161
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0									
EER					2.88	2.82	2.86	2.99	2.95	3.27	3.30	3.02	2.95	3.02
Dimensions	Unit	Height		mm	2,273						2,223			
		Width		mm	1,292						2,236			
		Length		mm	2,165		3,065		3,965		3,070			
Weight	Unit			kg	1,584		1,741		1,936		2,679			
	Operation weight			kg	1,617		1,781		1,981		2,756			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Compressor	Type				Single screw compressor									
	Quantity				1									
Fan	Type				Direct propeller									
	Air flow rate	Nom.		l/s	10,924	10,576	16,386	15,865	21,848	21,153	32,772		31,729	
	Quantity				2		3		4		6			
	Speed	Cooling	Nom.	rpm	900									
Sound power level	Cooling	Nom.		dBA	92.0				93.0	94.0		95.0		
Sound pressure level	Cooling	Nom.		dBA	74.0					75.0				76.0
Operation range	Saturated suction temp.			°C	-9~12									
	Condenser inlet temp.			°C	-18~48									
Refrigerant	Type / GWP				R-134a / 1,430									
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet (OD)				76mm							139.7mm		
Unit	Maximum starting current			A	151		195		288		330	410		
	Nominal running current (RLA)	Cooling		A	72	88	98	110	125	129	158	204	244	266
	Maximum running current			A	86	103	119	132	157	164	198	242	284	298
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw condensing unit, standard efficiency, low sound

- One refrigerant circuit with single screw compressor
- Compact design
- Large operation range (ambient temperature down to -18°C)
- Extensive option list (heat recovery option available)



ERAD-E-SS/SL



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

ERAD-E-SL

Cooling only				ERAD-E-SL	120	140	160	190	210	240	300	350	410	460
Cooling capacity	Nom.			kW	116	137	159	187	209	243	298	352	409	462
Power input	Cooling	Nom.		kW	42.4	52.5	57.7	66.3	73.9	78.1	91.9	122	150	167
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0									
EER					2.74	2.61	2.75	2.83		3.11	3.24	2.88	2.73	2.76
Dimensions	Unit	Height		mm	2,273						2,223			
		Width		mm	1,292						2,236			
		Length		mm	2,165		3,065		3,965		3,070			
Weight	Unit			kg	1,684		1,841		2,036		2,789			
	Operation weight			kg	1,717		1,881		2,081		2,886			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Compressor	Type				Single screw compressor									
	Quantity				1									
Fan	Type				Direct propeller									
	Air flow rate	Nom.		l/s	8,373	8,144	12,560	12,216	16,747	16,288	25,120		24,432	
	Quantity				2		3		4		6			
	Speed	Cooling	Nom.	rpm	700									
Sound power level	Cooling	Nom.		dBA	89.0		90.0		91.0	92.0				93.0
Sound pressure level	Cooling	Nom.		dBA	71.0					73.0				74.0
Operation range	Saturated suction temp			°C	-9~12									
	Condenser inlet temp			°C	-18~48									
Refrigerant	Type / GWP				R-134a / 1,430									
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet (OD)				76mm							139.7mm		
Unit	Maximum starting current			A	151		195		288		330	410		
	Nominal running current (RLA)	Cooling		A	73	90	98	112	125	131	155	204	249	275
	Maximum running current			A	83	100	115	128	151	158	189	234	276	290
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Water cooled scroll heat pump

- One of the most compact units on the market: 600mm x 600mm x 600mm
- Low energy consumption
- Low operating sound level
- Low refrigerant volume
- Stainless steel plate heat exchanger
- Extension possible to 183kW
- Easy installation and maintenance
- Remote cooling or heating selection
- Water/water heat pump, with water reversibility
- Standard integrated: water filter, flow switch, air purge, pressure ports
- Advanced µC²SE controller for direct connection to a Modbus based BMS or to a remote user interface



EWWQ-KC

More details and final information can be found by scanning or clicking the QR codes.

EWWQ-KC

Cooling & Heating only					EWWQ-KC	014	025	033	049	064
SEER						4.02	4.23	3.63	4.48	3.88
Space heating	Average climate water outlet 55°C	General	SCOP			3.64	3.63	3.71	3.58	3.87
			Seasonal space heating eff. class			A++				
	Average climate water outlet 35°C	General	SCOP			4.76	4.73	4.52	4.87	4.91
			Seasonal space heating eff. class			A+++		A++	A+++	
Cooling capacity	Nom.				kW	12.09/13.25	19.87/23.89	28.90/30.47	39.35/47.15	57.84/61.00
Heating capacity	Nom.				kW	14.98	27.30	34.74	54.13	69.51
Power input	Cooling	Nom.			kW	3.20/3.74	5.70/6.11	7.30/8.43	11.4/12.03	14.6/16.41
	Heating	Nom.			kW	3.90	7.10	8.70	14.4	17.5
Capacity control	Method					Fixed				
	Minimum capacity				%	100			50	
EER						3.237/4.20	3.254/4.18	3.429/4.16	3.27/4.13	3.524/4.18
COP						3.84	3.83	3.98	3.77	3.98
IPLV						4.68	4.85	4.28	4.97	4.44
Dimensions	Unit	Height			mm	600				
		Width			mm	600				
		Depth			mm	600			1,200	
Weight	Unit				kg	68.0	132	141	257	265
	Operation weight				kg	70/74	129/136	135/145	247/266	258/282
Water heat exchanger - evaporator	Type					Brazed plate				
	Water volume				l	1.47	1.96	2.74	4.47	5.88
	Water flow rate	Cooling	Nom.		l/s	0.63	1.14	1.45	2.25	2.91
		Heating	Nom.		l/s	0.88	1.6	2.07	3.2	4.13
	Water pressure drop	Cooling	Nom.		kPa	9.71/11.7	16.4/28.7	21.3/21.6	20.5/27.6	34.8/44.8
		Heating	Nom.		kPa	23.70	60.20	59.60	56.70	94.60
Compressor	Type					Scroll compressor				
	Quantity					1			2	
Sound power level	Cooling	Nom.			dBA	69		76	72	79
Sound pressure level	Cooling	Nom.			dBA	55.2		62.1	57.6	64.6
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-10 ~20				
	Condenser	Heating	Min.~Max.		°CDB	20 ~55				
Refrigerant	Type/GWP					R-410A/2,088.0				
	Charge				kg	0.0/1.30	0.0/1.90	0.0/2.70	0.0/4.60	0.0/6.80
	Circuits	Quantity				1			2	
Piping connections	Evaporator water inlet/outlet (OD)					G1"			G1" 1/2	
Space heating	Average climate water outlet 55°C	General	SCOP			3.64	3.63	3.71	3.58	3.87
Space heating	Average climate water outlet 55°C	General	Seasonal space heating eff. class			A++				
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			0.9				
	Average climate water outlet 35°C	General	Seasonal space heating eff. class			A+++		A++	A+++	
Unit	Starting current	Max			A	57.4	109.3	124.3	124.8	143.6
	Running current	Cooling	Nom.		A	6.0/6.57	9.0/10.5	13.0/14.1	19.0/20.9	26.0/28.1
		Max			A	9.16	15.5/15.53	19.3/19.33	31.0/31.05	38.65/38.7
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/400				

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing



Water cooled multi-scroll chiller reversing on refrigerant side, standard efficiency, standard sound



EWHQ-G-SS MicroTech 4

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Heat pump version with reversibility on refrigerant side available, ideal for geothermal applications
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Stainless steel plate heat exchanger
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- MicroTech 4 controller with superior control logic and easy interface

More details and final information can be found by scanning or clicking the QR codes.

EWHQ-G-SS

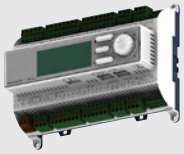
Heating & Cooling				EWHQ-G-SS	100	120	130	150	160	190	210	240	270	340	400
Cooling capacity	Nom.			kW	87.3	100.0	111	127	141	160	181	208	232	291	352
Heating capacity	Nom.			kW	112	128	144	162	179	205	233	266	299	375	454
Capacity control	Method				Step										
	Minimum capacity			%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
Power input	Cooling	Nom.		kW	22.4	25.3	28.5	32.0	35.6	41.1	46.0	53.3	59.1	73.7	88.4
	Heating	Nom.		kW	27.0	30.9	35.2	39.3	43.6	50.4	56.6	64.7	72.2	90.3	109
EER					3.90	3.95	3.91	3.96	3.95	3.90	3.93	3.90	3.92	3.95	3.98
COP					4.15	4.16	4.09	4.12	4.11	4.07	4.11	4.10	4.14	4.16	4.18
ESEER					4.70	4.84	4.65	4.86	4.80	4.89	4.86	4.83	4.79	4.90	4.83
IPLV					6.02	6.14	5.66	5.84	5.73	5.84	5.81	5.87	5.71	5.86	5.79
Dimensions	Unit	HeightxWidthxLength		mm	1,066x928x2,432		1,066x928x2,264			1,066x928x2,432				1,186x928x2,432	
Weight	Unit			kg	519	608	728	770	808	838	880	930	941	1,090	1,203
	Operation weight			kg	558	654	782	830	873	908	995	1,019	1,031	1,202	1,334
Water heat exchanger - evaporator	Type				Plate heat exchanger										
	Water flow rate	Cooling	Nom.	l/s	4.2	4.8	5.3	6.1	6.7	7.7	8.7	10.0	11.1	13.9	16.9
		Heating	Nom.	l/s	4.1	4.7	5.2	5.9	6.5	7.4	8.5	9.6	10.9	13.7	16.6
	Water pressure drop	Cooling	Nom.	kPa	44		35	30	29	31	33	31	38	42	43
		Heating	Nom.	kPa	42		33	28	27	29	32	29	37	41	42
Water heat exchanger - condenser	Type				Plate heat exchanger										
	Water volume			l	6	8		10	12	13	15	17		27	34
	Water flow rate	Cooling	Nom.	l/s	5.2	6.0	6.7	7.7	8.5	9.7	10.9	13.7	13.9	17.4	21.1
		Heating	Nom.	l/s	5.4	6.2	7.0	7.8	8.7	9.9	11.2	12.5	14.3	18.0	21.8
	Water pressure drop	Cooling	Nom.	kPa	69		55	49	48	51	54	32	39	66	69
		Heating	Nom.	kPa	73		59	51	50	53	57	33	42	70	73
Compressor	Type				Scroll compressor										
	Quantity				2										
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15										
		Heating	Min.~Max.	°CDB	-8~15										
	Condenser	Cooling	Min.~Max.	°CDB	25~55										
		Heating	Min.~Max.	°CDB	25~55										
Refrigerant	Type/GWP				R-410A/2,087.5										
	Circuits	Quantity			1										
Refrigerant charge				kg/TCO2Eq	9.0/18.8		10.0/20.9		13.0/27.1	11.0/23.0	13.0/27.1	15.0/31.3		19.0/39.7	
Piping connections	Evaporator water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
	Condenser water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										
Unit	Starting current	Max		A	204	255	261	308	316	354	368	466	481	640	677
	Running current	Cooling	Nom.	A	43	46	50	56	63	71	78	88	97	123	148
		Max		A	59	66	72	80	88	102	116	131	145	183	221

Water cooled multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Stainless steel plate heat exchanger
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- MicroTech 4 controller with superior control logic and easy interface



EWWQ-G-SS



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWQ-G-SS

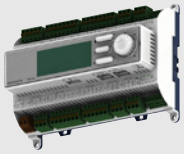
Cooling Only					EWWQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Space cooling	A Condition 35°C	Pdc		kW		93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
		ηs,c		%		209.08	215.32	233.52	227.68	233.04	233.36	220.32	235.56	231.84	236.64	211.36
SEER						5.427	5.583	6.038	5.892	6.026	6.034	5.708	6.089	5.996	6.116	5.484
Cooling capacity	Nom.			kW		93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
Power input	Cooling	Nom.		kW		21.3	24	26.9	30.5	33.9	38.9	43.8	50.74	56.1	70.2	84
Capacity control	Method					Fixed										
	Minimum capacity			%		50	43	50	44	50	45	50	43	50	40	50
EER						4.399	4.4	4.424	4.456	4.425	4.424	4.425	4.349	4.387	4.477	4.41
ESEER						5.51	5.52	5.51	5.53	5.51	5.53			5.52		
IPLV						6.71	6.79	6.22	6.36	6.22	6.32	6.3	6.31	6.1	6.28	6.16
Dimensions	Unit	Height		mm		1,066									1,186	
		Width		mm		928										
		Length		mm		2,432			2,264				2,432			
Weight	Unit			kg		516	606	728	762	795	832	871	921	934	1,083	1,181
	Operation weight			kg		554.9	652.4	781.6	821.4	859	901.4	945.9	1,009.6	1,023.2	1,194.7	1,311.1
Water heat exchanger - evaporator	Type					Plate heat exchanger										
	Water volume			l		6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s		4.5	5.07	5.7	6.51	7.18	8.24	9.28	10.57	11.79	15.06	17.74
	Water pressure drop	Cooling	Nom.	kPa		48.8	49	39.1	33	32.6	34.5	36.7	33.8	41.8	46.8	
Water heat exchanger - condenser	Type					Plate heat exchanger										
	Water volume			l		6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s		5.52	6.23	7.05	8.04	8.87	10.17	11.43	13.02	14.53	18.46	21.81
	Water pressure drop	Cooling	Nom.	kPa		72	73	60	50		52	56	46	57	69	71
Compressor	Type					Driven vapour compression										
	Quantity					2										
Sound power level	Cooling	Nom.		dBA		80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA		64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-10~15										
		Heating	Min.~Max.	°CDB		-10~15										
	Condenser	Cooling	Min.~Max.	°CDB		25~55										
		Heating	Min.~Max.	°CDB		25~55										
Refrigerant	Type/GWP					R-410A/2,087.5										
	Charge			kg		10		11		12		15	16	17	19	20
	Circuits	Quantity				1										
Refrigerant charge				TCO2Eq		20.88		22.96		25.05		31.31	33.40	35.49	39.66	41.75
Piping connections	Evaporator water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
	Condenser water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
Unit	Starting current	Max		A		204	255	261	308	316	354	368	466	481	640	677
	Running current	Cooling	Nom.	A		42	45	48	54	61	68	76	86	95	118	143
		Max		A		59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400										

Water cooled multi-scroll chiller, standard efficiency, standard sound

- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- MicroTech 4 controller with superior control logic and easy interface



EWWQ-L-SS



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWQ-L-SS

Cooling only/Heating only				EWWQ-L-SS	180	205	230	260	290	330	380
Space cooling	A Condition 35°C	Pdc		kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8
		ηs,c		%	211.72	222.72	232.76	230.32	236.76	233.32	224.84
SEER					5.493	5.768	6.019	5.958	6.119	6.033	5.821
Cooling capacity	Nom.			kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8
Power input	Cooling	Nom.		kW	41.7	47.3	53.1	60.2	67.1	77.1	87
Capacity control	Method				Fixed						
	Minimum capacity			%	25	21	25	22	25	23	25
EER					4.494	4.548	4.601	4.528	4.519	4.468	4.446
ESEER					5.54		5.52	5.53	5.54	5.53	5.54
IPLV					6.77	6.84	6.35	6.38	6.31	6.32	6.36
Dimensions	Unit	Height		mm	1,970						
		Width		mm	928						
		Length		mm	2,801						
Weight	Unit			kg	877	1,062	1,285	1,347	1,439	1,498	1,559
	Operation weight			kg	957	1,156	1,401	1,469	1,575	1,641	1,723
Water heat exchanger - evaporator	Type				Plate heat exchanger						
	Water volume			l	35	41	53		65		76
	Water flow rate	Nom.		l/s	8.97	10.29	11.69	13.04	14.5	16.48	18.51
	Water pressure drop	Cooling	Nom.	kPa	28	27.6	22.6	28	25.1	32.2	31.9
Water heat exchanger - condenser	Type				Plate heat exchanger						
	Water volume			l	19	22	29		35		41
	Water flow rate	Nom.		l/s	11.02	12.66	14.4	16.12	17.9	20.38	22.8
	Water pressure drop	Cooling	Nom.	kPa	72	73	61	49	50	51	55
Compressor	Type				Driven vapour compression						
	Quantity				4						
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0	91.0		
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74.0		73.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15						
		Heating	Min.~Max.	°CDB	-10~15						
	Condenser	Cooling	Min.~Max.	°CDB	25~55						
		Heating	Min.~Max.	°CDB	25~55						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg	20		22		24		30
	Circuits	Quantity			2						
Refrigerant charge				kg/TCO2Eq	10.0/20.9		11.0/23.0		12.0/25.1		15.0/31.3
Piping connections	Evaporator water inlet/outlet (OD)				3"						
	Condenser water inlet/outlet (OD)				1" 1/2		2" 1/2				
Unit	Starting current	Max		A	263	320	333	388	403	456	484
	Running current	Cooling	Nom.	A	83	89	96	109	121	137	151
		Max		A	118	131	144	160	175	205	232
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

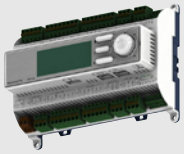
performances according to CSS software 10.27

Water to water screw heat pump, standard efficiency, standard sound

- Compact design to allow easy indoor installation or retrofit operations
- Daikin semi-hermetic single screw stepless compressor
- High energy efficiency both at full and part load conditions
- Chilled water temperatures down to -10°C on standard unit
- Optimised for use with R-134a
- MicroTech 4 controller with superior control logic and easy interface



EWWD-J-SS



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWD-J-SS

Cooling & Heating					EWWD-J-SS	120	140	150	180	210	250	280
Space heating	Average climate water outlet 55°C	General	SCOP			4.03	4.11	4.16	4.17	4.17	4.23	3.83
Cooling capacity	Nom.			kW		119.7	145.7	154.3	177.3	207.3	255.3	284.1
Heating capacity	Nom.			kW		144.2	175.4	189.8	217.8	252.2	308.4	347.4
Power input	Cooling	Nom.		kW		28.0	34.0	39.5	45.3	50.4	59.9	70.0
Capacity control	Method					Stepless						
	Minimum capacity			%		25.0						
EER						4.28	4.28	3.91	3.92	4.11	4.26	4.06
COP						5.20		4.84	4.85	5.04	5.17	4.98
IPLV						5.18	5.06		5.05	5.16	5.70	4.88
Dimensions	Unit	Height		mm		1,020						
		Width		mm		913						
		Length		mm		2,684						
Weight	Unit			kg		1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation weight			kg		1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat exchanger - evaporator	Type					Plate heat exchanger						
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		5.7	7.0	7.4	8.5	9.9	12.2	13.6
	Water flow rate	Heating	Nom.	l/s		9.3	11.3	12	13.8	16.1	19.8	22.1
	Water pressure drop	Cooling	Nom.	kPa		15	14	43	40	35	28	34
		Heating	Nom.	kPa		36	34	103	96	85	68	82
Water heat exchanger - condenser	Type					Single pass shell and tube						
	Water volume			l		20		23	25	29		32
	Water flow rate	Cooling	Nom.	l/s		7.1	8.64	9.32	10.7	12.4	15.2	17.0
	Water flow rate	Heating	Nom.	l/s		6.93	8.44	9.13	10.5	12.1	14.8	16.7
	Water pressure drop	Cooling	Nom.	kPa		20	13	11		15	17	27
		Heating	Nom.	kPa		19	12	11		15	16	26
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.		dBA		89						
Sound pressure level	Cooling	Nom.		dBA		79						
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-10~15						
	Condenser	Cooling	Min.~Max.	°CDB		23~60						
Refrigerant	Type/GWP					R-134a/1,430						
	Circuits	Quantity				1						
Refrigerant charge	Per circuit			kg/TCO2Eq		18.0/25.7	35.0/50.1	34.0/48.6	37.0/52.9		38.0/54.3	
Piping connections				mm		76.2						
Piping connections	Condenser water inlet/outlet (OD)					2" 1/2	4"					
Unit	Starting current	Max		A		153		197			290	
	Running current	Cooling	Nom.	A		48	57	67	74	83	97	109
		Max		A		85	103	114	130	154	178	201
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400						

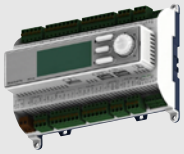
performances according to CSS software 10.34
Fluid: Water; Fouling factor = 0 m2°C/W
Cooling performances: evaporator 12.0/7.0°C, condenser 30.0/35.0°C; Heating performances (Low temperature application): evaporator 10.0/7.0°C, condenser 30.0/35.0°C.

Water to water screw heat pump, standard efficiency, standard sound

- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Daikin semi-hermetic single screw compressor
- Direct expansion plate to plate evaporator
- Shell and tube condenser
- Silver efficiency and standard sound
- Upgrade to new MicroTech 4 controller



EWWH-J_EWWS-J



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWH-J-SS

					EWWH-J-SS	090	110	120	130	150	180	200
Space heating	Average climate water outlet 55°C	General	SCOP			3.91	3.92	3.78	3.77	3.80	3.90	3.84
Cooling capacity	Nom.			kW		88.77	107.1	115.1	133.5	150.1	181.6	200.6
Heating capacity	Nom.			kW		107.2	129.2	140.9	162.3	182.2	220.5	245
Power input	Cooling	Nom.		kW		30	36.3	41.7	47.8	54.2	65.7	74.4
Capacity control	Method					Stepless						
	Minimum capacity			%		25						
EER						3.85	3.75	3.72	3.78	3.82	3.67	3.66
COP						4.69	4.57	4.52	4.59	4.67	4.46	4.46
IPLV						4.1	4.11	4.09	4.11	4.12	4.64	4.59
Dimensions	Unit	Height		mm		1,020						
		Width		mm		913						
		Length		mm		2,684						
Weight	Unit			kg		1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation weight			kg		1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat exchanger - evaporator	Type					Plate heat exchanger						
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		4.24	5.11	5.49	6.37	7.16	8.66	9.57
		Heating	Nom.	l/s		6.8	8.3	8.9	10.2	11.8	13.9	15.4
	Water pressure drop	Cooling	Nom.	kPa		10.7	10.9	19.3	19.3	17.8	16.8	20.1
		Heating	Nom.	kPa		24.9	25.9	45.6	44.9	43.7	39.2	47.4
Water heat exchanger - condenser	Type					Single pass shell and tube						
	Water volume			l		20	20	23	25	29		32
	Water flow rate	Cooling	Nom.	l/s		5.18	6.31	6.79	7.84	9.1	10.7	11.9
		Heating	Nom.	l/s		6.77	8.27	8.86	10.2	11.8	13.9	15.4
	Water pressure drop	Cooling	Nom.	kPa		9.1	9.7	8.7	9.1	9.3	12.3	12.1
		Heating	Nom.	kPa		24.9	25.9	45.6	44.9	43.7	39.2	47.4
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.		dBA		89						
Sound pressure level	Cooling	Nom.		dBA		79						
Refrigerant	Type					R-1234(ze)						
	Charge			kg		18	35	34	37		38	
	Circuits	Quantity				1						
Piping connections				mm		76.2						
	Condenser water inlet/outlet			inch		2" 1/2	4					
Unit	Starting current	Max		A		153		197			290	
	Running current	Cooling	Nom.	A		39	44	55	60	65	76	84
		Max		A		75	90	100	114	143	158	178
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400						

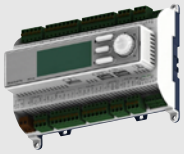
performances according to CSS software 10.34
Fluid: Water; Fouling factor = 0 m2°C/W
Cooling performances: evaporator 12.0/7.0°C, condenser 30.0/35.0°C; Heating performances (Low temperature application): evaporator 10.0/7.0°C, condenser 30.0/35.0°C.

Water to water screw heat pump, standard efficiency, standard sound

- Refrigerant R-513A
- Daikin semi-hermetic single screw compressor
- Direct expansion plate to plate evaporator
- Shell and tube condenser
- Silver efficiency and standard sound
- Upgrade to new MicroTech 4 controller



EWWH-J_EWWS-J



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWS-J-SS

					EWWS-J-SS	120	140	150	180	210	240	270
Space heating	Average climate water outlet 55°C	General	SCOP			3.63	3.54	3.56	3.59	3.62	3.54	3.58
Cooling capacity	Nom.			kW		115.2	136.3	154.7	180.6	207.3	241	272.2
Heating capacity	Nom.			kW		141.7	167.5	191.3	223	256.9	297.	338.2
Power input	Cooling	Nom.		kW		30	36.3	41.7	47.8	54.2	65.7	74.4
Capacity control	Method					Stepless						
	Minimum capacity			%		25						
EER						3.85	3.75	3.72	3.78	3.82	3.67	3.66
COP						4.69	4.57	4.52	4.59	4.67	4.46	
IPLV						4.1	4.11	4.09	4.11	4.12	4.64	4.59
Dimensions	Unit	Height		mm		1,020						
		Width		mm		913						
		Length		mm		2,684						
Weight	Unit			kg		1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation weight			kg		1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat exchanger - evaporator	Type					Plate heat exchanger						
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		5.5	6.5	7.38	8.62	9.89	11.5	13
		Heating	Nom.	l/s		8.8	10.8	12.1	13.8	15.5	19	21.1
	Water pressure drop	Cooling	Nom.	kPa		17.1	16.8	32.8	33.4	31.8	27.9	34.8
		Heating	Nom.	kPa		40.1	41.7	79.4	78.1	71.5	68.9	83.3
Water heat exchanger - condenser	Type					Single pass shell and tube						
	Water volume			l		20	20	23	25	29		32
	Water flow rate	Cooling	Nom.	l/s		6.87	8.38	9.39	10.8	12.1	14.8	16.5
		Heating	Nom.	l/s		6.72	8.2	9.2	10.6	11.9	14.5	16.2
	Water pressure drop	Cooling	Nom.	kPa		15	16.1	15.4	15.9	15.4	22	21.6
		Heating	Nom.	kPa		14.4	15.5	14.8	15.3	14.8	21.2	20.8
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.		dBA		89						
Sound pressure level	Cooling	Nom.		dBA		79						
Refrigerant	Type					R-513A						
	Charge			kg		18	35	34	37		38	
	Circuits	Quantity				1						
Piping connections				mm		76.2						
Piping connections	Condenser water inlet/outlet			inch		2" 1/2	4					
Unit	Starting current	Max		A		154		198			291	
	Running current	Cooling	Nom.	A		50	60	70	78	87	104	117
		Max		A		81	96	108	122	141	164	185
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400						

performances according to CSS software 10.34
Fluid: Water; Fouling factor = 0 m2°C/W
Cooling performances: evaporator 12.0/7.0°C, condenser 30.0/35.0°C; Heating performances (Low temperature application): evaporator 10.0/7.0°C, condenser 30.0/35.0°C.



The highest peak in chiller technology

The VZ chiller series were developed and manufactured to answer the growing market demands on high efficient chiller series. Thanks to the continuous evolution in components' technology, we are the first to reach the highest peak in chiller efficiency and technology.

EWW(H)(D)(S)-VZ at a glance

Single compressor

440kW - 1,050kW with R134a or R513A
330kW – 790kW with R1234ze



Dual compressor & dual circuit unit

1,170kW - 2,070kW with R134a or R513A
865kW - 1,540kW with R1234ze

of everything:
2 compressors,
2 expansion valves,
2 condensers,...



VZ CHILLER SERIES

Full inverter water cooled chiller

INVERTER

New condenser design with integral oil separator

High efficient flooded heat exchangers

Highest efficiency in the market in its category

TOP CLASS EFFICIENCY

Unique Daikin single screw compressor technology

UNIQUE SOLUTION

Performance monitoring

With MT4, advanced algorithm implementation in the unit controller are possible, such as the **Performance Monitoring** (Option 186). This sensor-less algorithm calculates the unit cooling capacity by using refrigerant pressure and temperature readings. Electrical power is calculated either from compressor VFD power and fan, or directly measured through optional energy meter. As a standard(*), **no extra-hardware is required**.

(*) For TZ-B units an additional sub-cooling temperature sensor is required.

Why choose EWW(H)(D)(S)-VZ at a glance chiller series?

1 Top class efficiency

Thanks to:

› New generation Daikin inverter screw compressors
› New generation high efficiency heat exchangers
› Variable volume ratio technology
› Optimized refrigerant circuit design

2 Compact unit: 40% footprint reduction

Thanks to:

› New single pass condenser technology
› New integrated oil separator technology
› Optional knock down panel which reduces the unit width

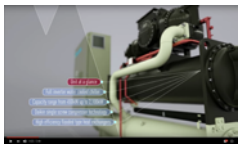
3 Application flexibility: widest operating envelope in its range

4 Connectivity: Daikin on site cloud platform

5 Future readiness: Choose for today's best solution and be ready for the future!

Supporting tools

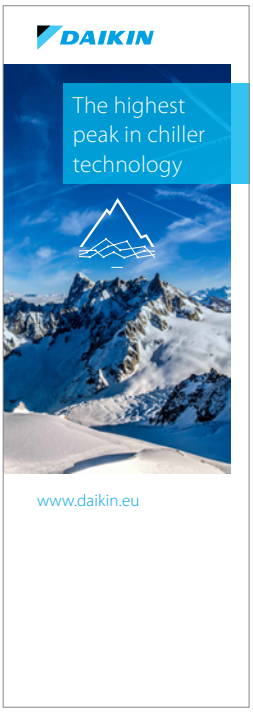
Product video



Check on YouTube
www.youtube.com/DaikinEurope

Marketing material

All marketing material can be downloaded from the business portal.
Asset finder > Campaign > VZ chiller series











Product profile

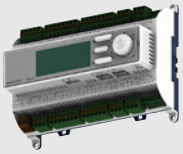
Want to know more about this product?
Have a look at our website and download the product profile:

www.daikineurope.com/vzchillerseries

Water cooled screw inverter chiller, standard efficiency, standard sound



EWWD-VZSS



Microtech 4

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

More details and final information can be found by scanning or clicking the QR codes.

EWWD-VZSS

Cooling only/Heating only				EWWD-VZSS	600	700	760	890	C10	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition Pdc (35°C - 27/19)			kW	609.91	704.22	756.52	894.23	1,039.49	1,173.02	1,288.02	1,381.01	1,552.02	1,722.02	1,875.55	2,051.2
	ηs,c			%	340		337.2	331.6	332	337.2	331.6	331.2	320.8	338.8	322	338.8
SEER					8.7		8.63	8.49	8.5	8.63	8.49	8.48	8.22	8.67	8.25	8.67
Cooling capacity	Nom.			kW	610	704	757	894	1,039	1,173	1,288	1,381	1,552	1,722	1,876	2,051
Power input	Cooling	Nom.		kW	110	132	142	162	196	231	252	276	315	339	380	404
Capacity control	Method				Variable											
	Minimum capacity			%	20					10						
EER					5.5	5.31	5.3	5.52	5.29	5.07	5.11	5	4.93	5.08	4.93	5.08
IPLV					9.43	9.36	9.4	9.37	9.4	9.52	9.56	9.57	9.36	9.7	9.38	9.65
Dimensions	Unit	Height		mm	2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width		mm	1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Length		mm	3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit			kg	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight			kg	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume			l	88		96	134	156	230		270		320		380
	Water flow rate	Cooling	Nom.	l/s	29.2	33.8	36.3	42.9	49.9	56.2	61.7	66.1	74.4	82.5	89.9	98.2
	Water pressure drop	Cooling	Nom.	kPa	79	106	88	98	102	69	84	70	89	78	92	80
Water heat exchanger - condenser	Type				Shell and tube											
	Water volume			l	81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling	Nom.	l/s	35.3	41	44.1	51.9	60.6	69.1	75.8	81.5	91.9	101	111	120
	Water pressure drop	Cooling	Nom.	kPa	31	29	33	29	33	44	39	45	66	42	55	37
Compressor	Type				Driven vapour compressor											
	Quantity				1					2						
Sound power level	Cooling	Nom.		dBA	101	105			107	106		107		108		110
Sound pressure level	Cooling	Nom.		dBA	82	86			88	87		88		89		90
Operation range	Evaporator		Min.~Max.	°CDB	-12~20											
	Condenser		Min.~Max.	°CDB	19~63											
Refrigerant	Type/GWP				R-134a/1,430											
	Charge			kg	125	120	125	145	180	250	260	270	220	305	290	350
	Circuits	Quantity			1					2						
Piping connections				mm	139.7			168.3	219.1							
	Condenser water inlet/outlet (OD)				168.3mm			219.1mm	168.3 / 168.3 mm					219.1 / 219.1 mm		
	Running current	Cooling	Nom.	A	171	202	220	249	300	349	379	414	470	508	566	604
Unit	Running current	Max		A	235	280	301	342	417	470	513	559	621	696	758	834
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

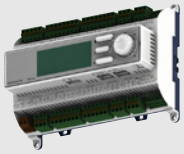
performances according to CSS software 10.33

Water cooled screw inverter chiller, high efficiency, standard sound

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- One or two truly independent refrigerant circuits for outstanding reliability



EWWD-VZXS



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWD-VZXS

Cooling only/Heating only				EWWD-VZXS	450	500	610	710	800	900	C11	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		448.83	500.51	612.77	713.11	793.52	901.21	1,053.02	1,194.03	1,305.01	1,406.98	1,593.03	1,748.03	1,912.01	2,074.02
	ηs,c		%		324.8	329.2	347.2	350	345.6	337.6	344.4	347.6	342.4	348	347.2	347.6	337.2	344.4
SEER					8.32	8.43	8.88	8.95	8.84	8.64	8.81	8.89	8.76	8.9	8.88	8.89	8.63	8.81
Cooling capacity	Nom.			kW	449	501	613	713	794	901	1,053	1,194	1,305	1,407	1,593	1,748	1,912	2,074
Power input	Cooling	Nom.		kW	81.2	89.7	108	128	146	159	192	221	244	262	296	329	365	394
Capacity control	Method				Variable													
	Minimum capacity			%	20							10						
EER					5.53	5.58	5.64	5.54	5.43	5.67	5.46	5.38	5.34	5.36	5.38	5.31	5.23	5.25
IPLV					9.42	9.59	9.52	9.66	9.64	9.48	9.58	9.66	9.67	9.76	9.74	9.82	9.68	9.7
Dimensions	Unit	Height		mm	2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width		mm	1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Length		mm	3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit			kg	2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight			kg	3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type				Flooded shell and tube													
	Water volume			l	70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling	Nom.	l/s	21.5	24	29.3	34.1	38	43.2	50.4	57.1	62.5	67.3	76.3	83.6	91.4	99.2
	Water pressure drop	Cooling	Nom.	kPa	89	63	59	63	55	67	59	52	62	52	67	58	49	58
Water heat exchanger - condenser	Type				Shell and tube													
	Water volume			l	81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling	Nom.	l/s	26.4	29.4	35.3	41.2	46.1	52	61	69.8	76.3	82.2	93.2	102	112	121
	Water pressure drop	Cooling	Nom.	kPa	31	28	22	20	24	25		28		21	32	27	37	28
Compressor	Type				Driven vapour compressor													
	Quantity				1							2						
Sound power level	Cooling	Nom.		dBA	97	99	101	105			107	106		107		108	109	110
Sound pressure level	Cooling	Nom.		dBA	78	80	82	86			88	87		88		89		90
Operation range	Evaporator		Min.~Max.	°CDB	-12~20													
	Condenser		Min.~Max.	°CDB	19~65													
Refrigerant	Type/GWP				R-134a/1,430													
	Charge			kg	110		125	140	160	200	185	270	260	230	290	290	320	370
	Circuits	Quantity			1							2						
Piping connections				mm	139.7			168.3		219.1							273	
	Condenser water inlet/outlet (OD)				168.3mm		219.1mm					168.3 / 219.1 mm		219.1 / 219.1 mm				
	Running current	Cooling	Nom.	A	126	140	171	201	229	249	299	340	372	400	450	498	554	596
Unit	Running current	Max		A	172	191	235	280	316	342	417	470	513	559	621	696	758	834
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400													

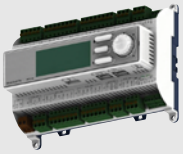
performances according to CSS software 10.33

Water cooled screw inverter chiller, premium efficiency, standard sound

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability



EWWD-VZ



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWD-VZPS

Cooling only/ Heating only				EWWD-VZPS	505	715	910	C12	C16	C18
Space cooling	A Condition Pdc (35°C - 27/19)			kW	505.02	717.71	908.11	1,201.02	1,604.03	1,757.01
	ηs,c			%	339.6	355.2	344.4	353.6	354	350
SEER					8.69	9.08	8.81	9.04	9.05	8.95
Cooling capacity	Nom.			kW	505	718	908	1,201	1,604	1,757
Power input	Cooling	Nom.		kW	85.1	124	153	218	291	326
Capacity control	Method				Variable					
	Minimum capacity			%	20			10		
EER					5.93	5.77	5.91	5.49	5.5	5.39
IPLV					9.61	9.68	9.57	9.79	9.82	9.92
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769
		Length		mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight			kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type				Flooded shell and tube					
	Water volume			l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.	l/s	24.2	34.3	43.4	57.4	76.7	84
	Water pressure drop	Cooling	Nom.	kPa	55	42	44	38	49	41
Water heat exchanger - condenser	Type				Shell and tube					
	Water volume			l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.	l/s	29.4	41.3	52.1	69.9	93.4	102
	Water pressure drop	Cooling	Nom.	kPa	16	17	19	21		28
Compressor	Type				Driven vapour compressor					
	Quantity				1			2		
Sound power level	Cooling	Nom.		dBA	99	105		106	107	109
Sound pressure level	Cooling	Nom.		dBA	80	86		87	88	89
Operation range	Evaporator		Min.~Max.	°CDB	-12~20					
	Condenser		Min.~Max.	°CDB	19~65					
Refrigerant	Type/GWP				R-134a/1,430					
	Charge			kg	120	195	185	305	320	350
	Circuits	Quantity			1			2		
Piping connections				mm	139.7	219.1				273
	Condenser water inlet/outlet (OD)				219.1mm			219.1 / 219.1 mm		
	Running current	Cooling	Nom.	A	138	200	247	338	447	497
Unit	Running current	Max		A	191	280	342	470	621	696
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400					

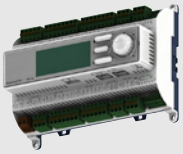
performances according to CSS software 10.33

Water cooled screw inverter chiller, standard efficiency, standard sound

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 75°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability



EWWH-VZSS



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWH-VZSS

Cooling only/Heating only				EWWH-VZSS	445	515	550	660	770	860	940	C10	C12	C13	C14	C15
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		443	512	548.51	657.51	767.8	865.2	940.6	1,011.7	1,142.46	1,271.38	1,396.11	1,524.83
	ηs,c		%		336.4	338.4	336.8	348.4	345.2	318.4	327.2	339.6	331.2	340	345.6	353.2
SEER					8.61	8.66	8.62	8.91	8.83	8.16	8.38	8.69	8.48	8.7	8.84	9.03
Cooling capacity	Nom.		kW		443	512	549	658	768	865	941	1,012	1,142	1,271	1,396	1,525
Power input	Cooling	Nom.	kW		82.8	98.1	107	123	149	172	188	205	235	254	282	302
Capacity control	Method				Variable											
	Minimum capacity		%		20					10						
EER					5.35	5.22	5.15	5.34	5.14	5.02	5	4.93	4.87	5.01	4.95	5.04
IPLV					9.25		9.24	9.48	9.32	8.94	9.08	9.13	9.14	9.3	9.13	9.34
Dimensions	Unit	Height	mm		2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width	mm		1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Length	mm		3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit		kg		2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight		kg		2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume		l		88		96	134	156	230		270		320		380
	Water flow rate	Cooling	Nom.	l/s	21.2	24.5	26.2	31.5	36.8	41.4	45	48.4	54.6	60.8	66.8	72.9
	Water pressure drop	Cooling	Nom.	kPa	46	61	52	59	64	39	46	39	50	44	53	45
Water heat exchanger - condenser	Type				Shell and tube											
	Water volume		l		81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling	Nom.	l/s	25.5	29.6	31.8	38.1	44.8	50.3	54.8	59	66.8	74	81.4	88.7
	Water pressure drop	Cooling	Nom.	kPa	19	17	20	19	17	25	22	25	38	25	32	18
Compressor	Type				Driven vapour compression											
	Quantity				1					2						
Sound power level	Cooling	Nom.	dBA		101	105			107	106		107		108		110
Sound pressure level	Cooling	Nom.	dBA		82	86			88	87		88		89		90
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge		kg		125	124	105	145	190	210	230	250	220	280		320
	Circuits	Quantity			1					2						
Piping connections			mm		139.7			168.3	219.1							
	Condenser water inlet/outlet (OD)				168.3mm			219.1mm		168.3 / 168.3 mm				219.1 / 219.1 mm		
Unit	Running current	Cooling	Nom.	A	131.0	153.0	167.0	188.0	227.0	264.0	287.0	312.0	353.0	385.0	426.0	458.0
		Max		A	183	226	235	268	324	374	402	451	493	549	591	647
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400											

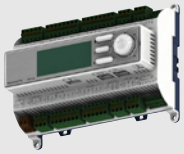
performances according to CSS software 10.33

Water cooled screw inverter chiller, high efficiency, standard sound

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 75°C hot water production)
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- One or two truly independent refrigerant circuits for outstanding reliability



EWWH-VZXS



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWH-VZXS

Cooling only/Heating only				EWWH-VZXS	335	365	450	525	580	670	800	875	950	C11	C12	C13	C14	C15
Space cooling	A Condition (35°C - 27/19) Pdc			kW	329.01	364.52	448	520.61	579.19	665.41	788.2	877.36	952.01	1,028.81	1,169.3	1,288.48	1,421.75	1,540.03
	ηs,c			%	296	307.2	343.6	347.2	343.2	356	354.4	326	334	346.8			358	356.8
SEER					7.6	7.88	8.79	8.88	8.78	9.1	9.06	8.35	8.55	8.87			9.15	9.12
Cooling capacity	Nom.			kW	329	365	448	521	579	665	788	877	952	1,029	1,169	1,288	1,422	1,540
Power input	Cooling	Nom.		kW	60.5	66.6	81	96	109	121	147	168	185	198	224	248	276	298
Capacity control	Method				Variable													
	Minimum capacity			%	20							10						
EER					5.44	5.48	5.53	5.42	5.29	5.49	5.37	5.23	5.16	5.19	5.22	5.19	5.16	
IPLV					8.51	8.79	9.46	9.51	9.47	9.63	9.65	9.19	9.27	9.46	9.37	9.52	9.23	9.5
Dimensions	Unit	Height		mm	2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width		mm	1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Length		mm	3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit			kg	2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight			kg	3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type				Flooded shell and tube													
	Water volume			l	70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling	Nom.	l/s	15.8	17.5	21.4	24.9	27.7	31.8	37.7	41.9	45.5	49.1	55.9	61.6	67.9	73.6
	Water pressure drop	Cooling	Nom.	kPa	54	38	35	37	31	39	36	29	34	28	37	32	28	33
Water heat exchanger - condenser	Water volume			l	81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling	Nom.	l/s	18.9	20.9	25.7	30	33.5	38.4	45.7	50.7	55.1	59.6	67.6	74.6	82.3	89.3
	Water pressure drop	Cooling	Nom.	kPa	19	16	13	12	15	13	16			13	19	16	23	16
Compressor	Type				Driven vapour compression													
	Quantity				1							2						
Sound power level	Cooling	Nom.		dBA	97	99	101	105			107	106		107		108	109	110
Sound pressure level	Cooling	Nom.		dBA	78	80	82	86			88	87		88		89		90
Refrigerant	Type/GWP				R-1234(ze)/7													
	Charge			kg	124	110	125	140	130	200	185	250	220	270	255	305	320	346
	Circuits	Quantity			1							2						
Piping connections				mm	139.7			168.3			219.1						273	
	Condenser water inlet/outlet (OD)				168.3mm		219.1mm					168.3 / 219.1 mm		219.1 / 219.1 mm				
Unit	Running current	Cooling	Nom.	A	96.0	106.0	129.0	151.0	173.0	187.0	226.0	259.0	284.0	304.0	341.0	379.0	421.0	454.0
		Max		A	134	149	183	226	247	268	324	374	402	451	493	549	591	647
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400													

performances according to CSS software 10.33

Water cooled screw inverter chiller, premium efficiency, standard sound

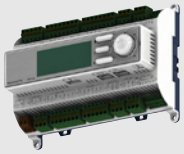
- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 75°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability



EWWH-VZPS







Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWH-VZPS

Cooling only/Heating only				EWWH-VZPS	370	530	680	880	C12	C13
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	369.3	525.1	677.11	883.79	1,180.43	1,295.36
	ηs,c			%	316.8	352.8	363.6	334.4	352.4	348.8
SEER					8.12	9.02	9.29	8.56	9.01	8.92
Cooling capacity	Nom.			kW	369	525	677	884	1,180	1,295
Power input	Cooling	Nom.		kW	64.7	94.9	119	166	221	247
Capacity control	Method				Variable					
	Minimum capacity			%	20				10	
EER					5.71	5.53	5.67	5.34	5.35	5.25
IPLV					9.13	9.68	9.96	9.37	9.56	9.61
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769
		Length		mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight			kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type				Flooded shell and tube					
	Water volume			l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.	l/s	17.7	25.1	32.3	42.2	56.4	61.9
	Water pressure drop	Cooling	Nom.	kPa	32	25	27	20	26	23
Water heat exchanger - condenser	Type				Shell and tube					
	Water volume			l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.	l/s	21.1	30.1	38.9	50.9	68	74.9
	Water pressure drop	Cooling	Nom.	kPa	9		12	13	12	16
Compressor	Type				Driven vapour compression					
	Quantity				1				2	
Sound power level	Cooling	Nom.		dBA	99	105		106	107	109
Sound pressure level	Cooling	Nom.		dBA	80	86		87	88	89
Refrigerant	Type/GWP				R-1234(ze)/7					
	Charge			kg	120	190	185	305	288	350
	Circuits	Quantity			1				2	
Piping connections				mm	139.7	219.1				273
	Condenser water inlet/outlet (OD)				219.1mm				219.1 / 219.1 mm	
Unit	Running current	Cooling	Nom.	A	104.0	150.0	185.0	257.0	338.0	378.0
		Max		A	149	226	268	374	493	549
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400					

performances according to CSS software 10.33

INVERTER

Water to water screw inverter chiller, standard efficiency, standard sound



EWWS-VZ

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 60°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

More details and final information can be found by scanning or clicking the QR codes.

EWWS-VZSS

Cooling only/Heating only				EWWS-VZSS	600	700	740	880	C10	C12	C13	C14	C15	C17	C18	C20
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		599.51	693.51	743.53	879.64	1,020.09	1,148.76	1,263.41	1,351.54	1,514.87	1,689.58	1,831.98	2,013.41
	ηs,c		%		316	314.4	313.2	320	313.2	321.2	314.8	312	297.6	313.6	304	318.4
SEER					8.1	8.06	8.03	8.2	8.03	8.23	8.07	8	7.64	8.04	7.8	8.16
Cooling capacity	Nom.		kW		600	694	744	880	1,020	1,149	1,263	1,352	1,515	1,690	1,832	2,013
Power input	Cooling	Nom.	kW		120.1	143.3	154.7	175.2	212.7	251.8	273.9	301	343	367.4	413.5	437.2
Capacity control	Method				Variable											
	Minimum capacity		%		20					10						
EER					4.99	4.84	4.81	5.02	4.8	4.56	4.61	4.49	4.42	4.6	4.43	4.61
IPLV					9.02	9.15		8.84	8.88	9.06	9.31	9.23	8.9	9.18	8.88	9.05
Dimensions	Unit	Height	mm		2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width	mm		1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Depth	mm		3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit		kg		2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight		kg		2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume		l		88		96	134	156	230		270		320		380
	Water flow rate	Cooling Nom.	l/s		28.7	33.3	35.7	42.2	48.9	55	60.6	64.7	72.6	80.9	87.8	96.4
	Water pressure drop	Cooling Nom.	kPa		80	108	89	100	103	69	85	70	89	79	92	81
Water heat exchanger - condenser	Type				Flooded Shell & Tube											
	Water volume		l		81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling Nom.	l/s		34.5	40.1	43.2	50.6	59.3	67.1	73.7	79.2	89	98.7	107	117
	Water pressure drop	Cooling Nom.	kPa		31	29	32	29	33	43	38	44	64	41	53	36
Compressor	Type				Driven vapour compressor											
	Quantity				1					2						
Sound power level	Cooling	Nom.	dBA		101	105			107	106		107		108		110
Sound pressure level	Cooling	Nom.	dBA		82	86			88	87		88		89		90
Refrigerant	Type/GWP				R-513A/631											
	Charge		kg		100	110		170	180	250	260	270	290	295	320	350
	Circuits	Quantity			1					2						
Piping connections			mm		139.7			168.3		219.1						
			mm		168.3			219.1		168.3				219.1		

performances according to CSS software 10.33

INVERTER

Water to water screw inverter chiller, high efficiency, standard sound



EWWS-VZ

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 62°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
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- One or two truly independent refrigerant circuits for outstanding reliability

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EWWS-VZXS

Cooling only/Heating only				EWWS-VZXS	450	490	600	700	780	890	C10	C12	C13	C14	C16	C17	C19	C20
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		441.23	493.3	605.32	704.66	783.15	888.89	1,038.67	1,178.53	1,287.26	1,390.42	1,570.18	1,725.3	1,876.17	2,045.66
	ηs,c		%		306.4	313.6	328.4	329.2	328	328.4	328.8	331.2	326.4	329.2	331.2	326.4	323.2	326.8
SEER					7.86	8.04	8.41	8.43	8.4	8.41	8.42	8.48	8.36	8.43	8.48	8.36	8.28	8.37
Cooling capacity	Nom.		kW		441	493	605	705	783	889	1,039	1,179	1,287	1,390	1,570	1,725	1,876	2,046
Power input	Cooling	Nom.	kW		87.8	96.8	116.8	138.6	157.7	171.3	207.8	239.2	263.6	282.6	319.6	354.3	396.6	425.5
Capacity control	Method				Variable													
	Minimum capacity		%		20							10						
EER					5.02	5.1	5.18	5.09	4.97	5.19	5	4.93	4.88	4.92	4.91	4.87	4.73	4.81
IPLV					8.87	9.01	9.29	9.43	9.39	8.96	9.27	9.24	9.48	9.43	9.39	9.29	9.15	
Dimensions	Unit	Height	mm		2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width	mm		1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Depth	mm		3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit		kg		2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight		kg		3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type				Flooded shell and tube													
	Water volume		l		70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling Nom.	l/s		21.2	23.6	29	33.7	37.5	42.6	49.7	56.4	61.6	66.5	75.2	82.6	89.7	97.9
	Water pressure drop	Cooling Nom.	kPa		91	64	61	65	57	69	60	53	64	53	68	59	50	60
Water heat exchanger - condenser	Type				Flooded Shell & Tube													
	Water volume		l		81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling Nom.	l/s		25.8	28.7	34.5	40.4	45.1	50.8	59.8	68	74.4	80.2	90.7	99.8	108	118
	Water pressure drop	Cooling Nom.	kPa		31	27	22	20	24	25		28		21	32	27	36	27
Compressor	Type				Driven vapour compressor													
	Quantity				1							2						
Sound power level	Cooling	Nom.	dBA		97	99	101	105			107	106		107		108	109	110
Sound pressure level	Cooling	Nom.	dBA		78	80	82	86			88	87		88		89		90
Refrigerant	Type/GWP				R-513A/631													
	Charge		kg		95		130	110	170	210	185	250	260	290		320		350
	Circuits	Quantity			1							2						
Piping connections			mm		139.7			168.3			219.1						273	
			mm		168.3			219.1				168.3 /219.1		219.1				

performances according to CSS software 10.33

INVERTER

Water to water screw inverter chiller, premium efficiency, standard sound



EWWS-VZ

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 62°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

More details and final information can be found by scanning or clicking the QR codes.

EWWS-VZPS

Cooling only/Heating only				EWWS-VZPS	500	710	900	C12	C16	C17
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		500.08	710.08	898.24	1,187.65	1,585.78	1,735.47
	ηs,c		%		321.6	334	335.2	336.4		330
SEER					8.24	8.55	8.58	8.61		8.45
Cooling capacity	Nom.		kW		500	710	898	1,188	1,586	1,735
Power input	Cooling	Nom.	kW		91.3	133.8	165.1	235.4	313.7	350.7
Capacity control	Method				Variable					
	Minimum capacity		%		20			10		
EER					5.48	5.31	5.44	5.05		4.95
IPLV					9.13	9.48	9.17	9.36	9.48	9.4
Dimensions	Unit	Height	mm		2,108	2,430	2,487	2,302	2,500	2,493
		Width	mm		1,179	1,287	1,303	1,579	1,610	1,769
		Depth	mm		3,750	3,822		4,508	4,750	4,874
Weight	Unit		kg		3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight		kg		3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type				Flooded shell and tube					
	Water volume		l		96	168	199	320	380	480
	Water flow rate	Cooling Nom.	l/s		23.9	34	43	56.8	75.8	83
	Water pressure drop	Cooling Nom.	kPa		57	44	46	39	50	42
Water heat exchanger - condenser	Type				Flooded Shell & Tube					
	Water volume		l		126	217	241	270	390	470
	Water flow rate	Cooling Nom.	l/s		28.9	40.6	51.1	68.3	91.1	100
	Water pressure drop	Cooling Nom.	kPa		16	17	19	21		27
Compressor	Type				Driven vapour compressor					
	Quantity				1			2		
Sound power level	Cooling	Nom.	dBA		99	105		106	107	109
Sound pressure level	Cooling	Nom.	dBA		80	86		87	88	89
Refrigerant	Type/GWP				R-513A/631					
	Charge		kg		130	180		190	320	350
	Circuits	Quantity			1			2		
Piping connections			mm		139.7	219.1				273
			mm		219.1					

performances according to CSS software 10.33

Water cooled scroll heat pump

- One of the most compact units on the market: 600mm x 600mm x 600mm
- Low energy consumption
- Low operating sound level
- Easy installation and maintenance
- Stainless steel plate heat exchanger
- Low refrigerant volume
- Standard integrated: pressure ports, flow switch, filter, shut-off valves and air purge
- Advanced µC^{2}SE controller for direct connection to a Modbus based BMS or to a remote user interface



EWLQ-KC_EWWQ-KC_hydracube_modulo_03

More details and final information can be found by scanning or clicking the QR codes.

EWLQ-KC

Cooling Only				EWLQ-KC	014	025	033	049	064
Cooling capacity	Nom.			kW	12.09	19.87	28.90	39.35	57.84
Power input	Cooling	Nom.		kW	3.74	6.11	8.43	12.03	16.41
Capacity control	Method				Fixed				
	Minimum capacity			%	100			50	
EER					3.237	3.254	3.429	3.27	3.524
Dimensions	Unit	Height		mm	600				
		Width		mm	600				
		Depth		mm	600			1,200	
Weight	Unit			kg	62	124	130	238	249
	Operation weight			kg	70	129	135	247	258
Water heat exchanger - evaporator	Type				Brazed plate				
	Water volume			l	1.47	1.96	2.74	4.47	5.88
	Water flow rate	Cooling	Nom.	l/s	0.576	0.947	1.378	1.876	2.757
	Water pressure drop	Cooling	Nom.	kPa	9.71	16.4	21.6	20.5	34.8
Compressor	Type				Scroll compressor				
	Quantity				1			2	
Sound power level	Cooling	Nom.		dBA	69.0		76.0	72.0	79.0
Sound pressure level	Cooling	Nom.		dBA	55.2		62.1	57.6	64.6
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10 ~20				
	Condenser	Heating	Min.~Max.	°CDB	20 ~55				
Refrigerant	Type/GWP				R-410A/2,088.0				
	Charge			kg	0.0				
	Circuits	Quantity			1			2	
Piping connections	Evaporator water inlet/outlet (OD)				G1"			G1" 1/2	
Unit	Starting current	Max		A	57.4	109.3	124.3	124.8	143.6
	Running current	Cooling	Nom.	A	6.57	10.5	14.1	20.9	28.1
		Max		A	9.16	15.5	19.3	31.0	38.7
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50 /400				

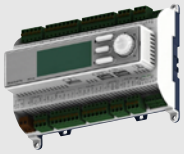


Condenserless multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- For chilled water production, to be combined with a remote condensing unit
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger



EWLQ-G-SS



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWLQ-G-SS

Cooling only				EWLQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Cooling capacity	Nom.			kW	86.5	98.4	110	125	139	160	181	206	231	290	346
Power input	Cooling	Nom.		kW	22.4	25.8	29.2	33.0	36.8	42.0	47.0	54.2	59.9	75.6	91.8
Capacity control	Method				Step										
	Minimum capacity			%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
EER					3.86	3.81	3.78	3.79		3.80	3.86	3.80	3.85	3.84	3.77
Dimensions	Unit	Height		mm	1,066									1,186	
		Width		mm	928										
		Length		mm	2,743										
Weight	Unit			kg	494	578	686	714	742	773	807	838	852	967	1,046
	Operation weight			kg	525	615	729	760	791	826	863	901	916	1,044	1,134
Water heat exchanger - evaporator	Type				Plate heat exchanger										
	Water volume			l	6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s	4.2	4.7	5.3	6.0	6.7	7.7	8.7	9.8	11.1	13.9	16.6
	Water pressure drop	Cooling	Nom.	kPa	44		35	29		31	33	30	38	41	
Compressor	Type				Scroll compressor										
	Quantity				2										
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15										
	Condenser	Cooling	Min.~Max.	°CDB	30~60										
Refrigerant	Type / GWP				R-410A / 2,087.5										
	Circuits	Quantity			1										
Piping connections	Evaporator water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
Unit	Starting current	Max		A	204	255	261	308	316	354	368	466	481.0	640	677
	Running current	Cooling	Nom.	A	39	42	45	51	57	64	70	81	88	111	135
		Max		A	59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

Condenserless multi-scroll chiller, standard efficiency, standard sound

- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- For chilled water production, to be combined with a remote condensing unit
- Compact design to allow easy indoor installation or retrofit operations
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger



EWLQ-L-SS Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWLQ-L-SS

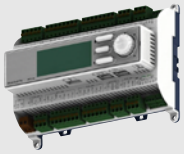
Cooling only				EWLQ-L-SS	180	205	230	260	290	330	380	430	480	540	600	660	720
Cooling capacity	Nom.			kW	173	197	224	249	279	317	361	409	459	511	571	624	676
Power input	Cooling	Nom.		kW	44.3	51.1	57.9	65.6	73.2	83.8	93.5	108	119	135	152	168	184
Capacity control	Method				Step												
	Minimum capacity			%	25.0	21.0	25.0	22.0	25.0	23.0	25.0	21.0	25.0	22.0	20.0	18.0	25.0
EER					3.91	3.86	3.87	3.79	3.81	3.78	3.86	3.79	3.84	3.78	3.76	3.71	3.67
Dimensions	Unit	Height		mm	1,970									2,090	2,210		
		Width		mm	928												
		Length		mm	2,801												
Weight	Unit			kg	832	1,007	1,202	1,252	1,333	1,380	1,432	1,511	1,560	1,609	1,694	1,833	1,957
	Operation weight			kg	894	1,081	1,292	1,345	1,436	1,486	1,547	1,638	1,690	1,741	1,844	1,990	2,120
Water heat exchanger - evaporator	Type				Plate heat exchanger												
	Water volume			l	19	22	29		35		41	49			62		
	Water flow rate	Nom.		l/s	8.3	9.5	10.7	11.9	13.4	15.2	17.3	19.6	21.9	24.5	27.3	29.9	32.4
	Water pressure drop	Cooling	Nom.	kPa	25		20	25	22	29			36	45	44	52	62
Compressor	Type				Scroll compressor												
	Quantity				4												
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0	91.0			93.0	95.0			96.0	
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74.0		73.0	76.0	77.0		78.0		
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15												
	Condenser	Cooling	Min.~Max.	°CDB	30~60												
Refrigerant	Type / GWP				R-410A / 2,087.5												
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				3"												
Unit	Starting current	Max		A	263	320	333	388	403	456	484	597	626	785	822	860	898
	Running current	Cooling	Nom.	A	78	84	90	102	114	128	141	161	176	199	223	246	269
		Max		A	118	131	144	160	175	205	232	262	290	328	366	403	441
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Condenserless screw chiller, standard efficiency, standard sound

- Compact design to allow easy indoor installation or retrofit operations
- Daikin semi-hermetic single screw stepless compressor
- High energy efficiency both at full and part load conditions
- Chilled water temperatures down to -10°C on standard unit
- Optimised for use with R-134a
- MicroTech 4 controller with superior control logic and easy interface



EWLD-J-SS



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

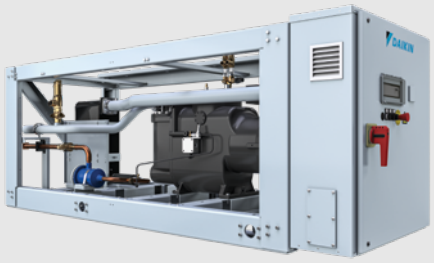
EWLD-J-SS

Cooling only				EWLD-J-SS	110	130	145	165	195	235	265
Cooling capacity	Nom.			kW	110	128	142	163	191	236	264
Power input	Cooling	Nom.		kW	31.2	38.4	43.8	50.4	56.0	66.0	75.3
Capacity control	Method				Stepless						
	Minimum capacity			%	25.0						
EER					3.51	3.33	3.25	3.24	3.42	3.58	3.51
Dimensions	Unit	Height		mm	1,020						
		Width		mm	913						
		Length		mm	2,684						
Weight	Unit			kg	1,124	1,141	1,237	1,263	1,305	1,489	1,489
	Operation weight			kg	1,138	1,159	1,253	1,281	1,327	1,518	1,518
Water heat exchanger - evaporator	Type				Plate heat exchanger						
	Water volume			l	14	18	14	17	20	26	26
	Water flow rate	Nom.		l/s	5.2	6.1	6.8	7.8	9.2	11.3	12.6
	Water pressure drop	Cooling	Nom.	kPa	14	13	39	37	33	26	32
Compressor	Type				Single screw compressor						
	Quantity				1						
Sound power level	Cooling	Nom.		dBA	89.0						
Sound pressure level	Cooling	Nom.		dBA	79.0						
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15						
	Condenser	Cooling	Min.~Max.	°CDB	25~60						
Refrigerant	Type / GWP				R-134a / 1,430						
	Circuits	Quantity			1						
Piping connections	Evaporator water inlet/outlet (OD)				76.2 mm						
Unit	Maximum starting current			A	153		197		197	290	290
	Nominal running current (RLA)	Cooling		A	52	62	72	81	91	107	120
	Maximum running current			A	85	103	114	130	154	168	201
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

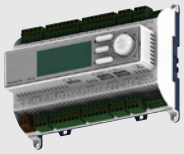
performances according to CSS software 10.34

Condenserless screw chiller, standard efficiency, standard sound

- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Daikin semi-hermetic single screw compressor
- Direct expansion plate to plate evaporator
- Shell and tube condenser
- Silver efficiency and standard sound
- Upgrade to new MicroTech 4 controller



EWLH-J_EWLS-J



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

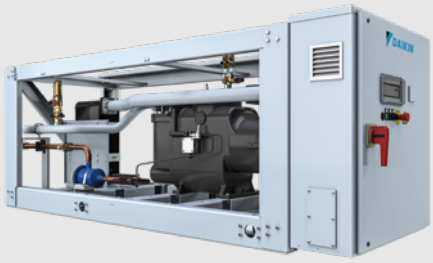
EWLH-J-SS

					EWLH-J-SS	080	100	110	130	140	170	190
Cooling capacity	Nom.			kW		84	102	109	127	143	174	193
Power input	Cooling	Nom.		kW		23.3	28.1	31.8	37	41.5	49.6	56.3
Capacity control	Method								Stepless			
	Minimum capacity			%					25			
EER						3.62		3.43	3.42	3.43	3.51	3.43
Dimensions	Unit	Height		mm					1,020			
		Width		mm					913			
		Length		mm					2,684			
Weight	Unit			kg		1,124	1,141	1,237	1,263	1,305	1,489	
	Operation weight			kg		1,138	1,159	1,253	1,281	1,327	1,518	
Water heat exchanger - evaporator	Type								Plate heat exchanger			
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		4	4.9	5.2	6	6.8	8.3	9.2
	Water pressure drop	Cooling	Nom.	kPa		9.7	9.9	17.5	17.6	16.2	15.5	18.7
Compressor	Type								Single screw compressor			
	Quantity								1			
Sound power level	Cooling	Nom.		dBA					88.9			
Sound pressure level	Cooling	Nom.		dBA					79			
Refrigerant	Type								R-1234(ze)			
	Circuits	Quantity							1			
Piping connections				mm					76.2			
Unit	Starting current	Max		A		153			197		290	
	Running current	Cooling	Nom.	A		42	48	59	65	72	84	92
		Max		A		75	90	100	114	143	158	178
Power supply	Phase/Frequency/Voltage			Hz/V					3~/50 /400			

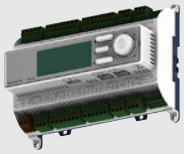
performances according to CSS software 10.34

Condenserless screw chiller, standard efficiency, standard sound

- Refrigerant R-513A
- Daikin semi-hermetic single screw compressor
- Direct expansion plate to plate evaporator
- Shell and tube condenser
- Silver efficiency and standard sound
- Upgrade to new MicroTech 4 controller



EWLH-J_EWLS-J



Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWLS-J-SS

					EWLS-J-SS	110	130	150	170	200	240	270
Cooling capacity	Nom.			kW		111	132	150	175	200	236	268
Power input	Cooling	Nom.		kW		32.2	38.7	44.8	51.2	58.2	69.4	78.8
Capacity control	Method					Stepless						
	Minimum capacity			%		25						
EER						3.44	3.4	3.35	3.41	3.44	3.41	3.4
Dimensions	Unit	Height		mm		1,020						
		Width		mm		913						
		Length		mm		2,684						
Weight	Unit			kg		1,124	1,141	1,237	1,263	1,305	1,489	
	Operation weight			kg		1,138	1,159	1,253	1,281	1,327	1,518	
Water heat exchanger - evaporator	Type					Plate heat exchanger						
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		5.3	6.3	7.2	8.4	9.6	11.3	12.8
	Water pressure drop	Cooling	Nom.	kPa		16	15.8	31.1	31.5	30	27	33.8
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.		dBA		88.9						
Sound pressure level	Cooling	Nom.		dBA		79						
Refrigerant	Type					R-513A						
	Circuits	Quantity				1						
Piping connections				mm		76.2						
Unit	Starting current	Max		A		154			198		291	
	Running current	Cooling	Nom.	A		54	65	75	84	94	111	125
		Max		A		81	96	108	122	141	164	185
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400						

performances according to CSS software 10.34

Condenserless screw chiller, standard efficiency, standard sound

- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Stepless single-screw compressor
- Standard electronic expansion valve
- Optimised for use with R-134a



EWLD-I-SS

Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWLD-I-SS

Cooling only				EWLD-I-SS	320	400	420	500	600	650	750	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17
Cooling capacity	Nom.			kW	315	374	437	509	607	670	740	802	865	935	975	1,029	1,097	1,144	1,210	1,278	1,330	1,381	1,433
Power input	Cooling	Nom.		kW	80.3	96.0	113	134	160	175	192	208	224	246	264	283	286	302	318	336	356	375	395
Capacity control	Method				Stepless																		
	Minimum capacity			%	25.0				12.5							8.3							
EER					3.93	3.89	3.88	3.79	3.80	3.82	3.86			3.81	3.69	3.64	3.83	3.79	3.80		3.74	3.68	3.63
Dimensions	Unit	Height		mm	1,899				2,325							2,415							
		Width		mm	1,464											2,135							
		Length		mm	3,114				4,391							4,426							
Weight	Unit			kg	1,861		1,869	1,884	3,331	3,339	3,347	3,356	3,364	3,412		5,146	5,167		5,188	5,208			
	Operation weight			kg	2,054		2,052	2,056	3,602		3,603	3,604	3,605	3,645		5,667	5,671		5,677	5,680			
Water heat exchanger - evaporator	Type				Single pass shell and tube																		
	Water volume			l	193		183	172	271	263	256	248	241	233		504		489	472	504		489	472
	Water flow rate	Nom.		l/s	15.1	17.9	20.9	24.4	29.1	32.1	35.4	38.4	41.4	44.8	46.7	49.3	52.5	54.8	57.9	61.2	63.7	66.1	68.6
	Water pressure drop	Cooling	Total	kPa	34	46	49	56	50	40	52	49	40	49	36	54	47	51	43	53	57	61	65
Compressor	Type				Single screw compressor																		
	Quantity				1				2							3							
Sound power level	Cooling	Nom.		dBA	94.0		97.0				98.0	99.0		100.0				101.0		103.0			
Sound pressure level	Cooling	Nom.		dBA	75.0	76.0		78.0			79.0	80.0		81.0		80.0		81.0		83.0			
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15																		
	Condenser	Cooling	Min.~Max.	°CDB	25~60																		
Refrigerant	Type / GWP				R-134a / 1,430																		
	Circuits	Quantity			1				2							3							
Piping connections	Evaporator water inlet/outlet (OD)				42mm																		
Unit	Maximum starting current			A	330		464		493	627	650	681		703		836		867	898		920	942	
	Nominal running current (RLA)	Cooling		A	131	157	181	214	260	287	313	338	361	391	420	448	470	493	517	542	571	601	631
	Maximum running current			A	204	233	271	299	407	436	465	504	542	570	597	670	698	737	775	814	841	868	896
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																		



INVERTER

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EWWD-DZ

Microtech 4

DAIKIN mAP



More details and final information can be found by scanning or clicking the QR codes.

EWWD-DZXS

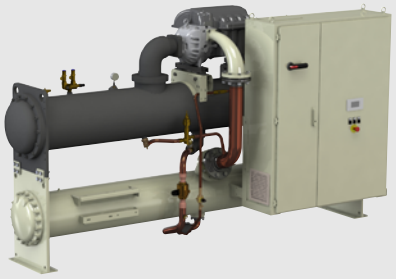
Cooling Only				EWWD-DZXS	320	440	530	610	640	700	880	C10	C13	C14	C15	C21
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	320.01	443.01	528	610.02	638.01	699.97	883.01	1,056	1,325.26	1,402	1,564.57	2,070.42
		ηs,c		%	334	314	324	344	349	342	350	363	349.8	362	360.6	365.4
SEER					8.72	8.65	9.08	8.91	8.95	8.79	8.99	9.31	8.86	9.32	9.13	9.28
Cooling capacity	Nom.			kW	320	443	528	610	638	700	883	1,056	1,325	1,402	1,565	2,070
Power input	Cooling	Nom.		kW	66.5	88.5	102	124.7	131	126	176	205	272	256	310	391
Capacity control	Method				Variable											
	Minimum capacity			%	30	21		16	15	18	11		7	9	8	6
EER					4.81	5	5.14	4.89	4.85	5.53	5.01	5.15	4.88	5.46	5.04	5.3
ESEER					7.94	7.92	8.2	7.78	8.16	8.08	8.09	8.39	-	8.29	-	
IPLV					9.38	9.33	9.7	9.41	9.5	9.86	9.52	9.91	9.18	10.1	9.5	9.42
Dimensions	Unit	Height		mm	1,865			1,985				2,200	2,083	2,200	2,225	2,290
		Width		mm	1,055			1,160				1,270	1,510	1,270	1,510	
		Length		mm	3,625				3,585			3,580	4,793	3,580	4,768	4,812
Weight	Unit			kg	1,700	1,900	2,000	2,850		2,600	2,900	3,600	4,350	3,800	4,750	5,500
	Operation weight			kg	1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	5,020	4,579	5,540	6,570
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume			l	70	96	107		134		156	199	271.8	229	317.4	444.3
	Water flow rate	Nom.		l/s	15.3	21.2	25.3	29.1	30.5	33.5	42.3	50.6	-	67.2	-	
		Cooling	Nom.	l/s	-								63.4	-	74.9	99.1
	Water pressure drop	Cooling	Nom.	kPa	47.4	40.6	45	59.1	51	61.3	64	60.4	60.1	74	61.1	71.9
Water heat exchanger - condenser	Type				Shell and tube								Flooded Shell & Tube	Shell and tube	Flooded Shell & Tube	
	Water volume			l	83	100	120		170	188	211	263	359.9	320	442.6	603.6
	Water flow rate	Nom.		l/s	18.3	25.3	30.1	35.1	36.7	39.4	50.5	60.1	-	79.1	-	
		Cooling	Nom.	l/s	-								76.1	-	89.5	117
	Water pressure drop	Cooling	Nom.	kPa	49.2	59.5	54.5	74	46.2	41.6	50.9	50.3	56	52.9	43	57
Compressor	Type				Driven vapour compressor											
	Quantity				1			2		1	2		3	2	3	
Sound power level	Cooling	Nom.		dBA	87.9	88.9	89.9	91.1	91	91.1	92	93.3	99	94.3	100	101
Sound pressure level	Cooling	Nom.		dBA	69.6	70.6	71.6	72.6			73.6	74.6	80	75.6	81	82
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	4~20											
	Condenser	Cooling	Min.~Max.	°CDB	20~55		20~42	20~55		20~42	20~55	20~42	20~55	20~42		
Refrigerant	Type/GWP				R-134a/1,430											
	Charge			kg	120			180				230	320	230	340	390
	Circuits	Quantity			1											
Refrigerant charge				TCO2Eq	172			257				329	-	329	-	
Piping connections				mm	139.7			168.3						219.1		
Piping connections				mm	139.7				168.3					219.1		
Unit	Running current	Cooling	Nom.	A	100.55	138.22	155.23	203.41	200.56	190.23	274.86	309.17	445	383.87	471.7	588
		Max		A	134	208	166	267		196	417	331	631	392	511	589
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

performances according to CSS software 10.27

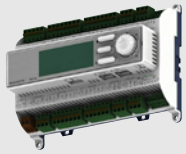
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EWWD-DZ



Microtech 4

DAIKIN mAP



More details and final information can be found by scanning or clicking the QR codes.

EWWD-DZXE

Cooling Only				EWWD-DZXE	340	470	570	670	680	740	950	C10	C11	C14	C15	C17	C22
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		341.01	474.02	566	670	682	741.96	946	1,038.18	1,130	1,436.52	1,477.93	1,684.76	2,172.91
	ηs,c		%		335	316	326	345	349	346	352	339.8	365	350.6	366	359	370.2
SEER					8.67	8.7	9.14	8.89	8.99	8.9	9.06	8.83	9.39	8.91	9.43	9.14	9.41
Cooling capacity	Nom.		kW		341	474	566	670	682	742	946	1,038	1,130	1,437	1,478	1,685	2,173
Power input	Cooling	Nom.	kW		69.9	93.5	108	138.4	138	131	186	210	216	288	263	329	393
Capacity control	Method				Variable												
	Minimum capacity		%		29	20		15		17	10			7	9	7	6
EER					4.88	5.07	5.22	4.84	4.91	5.65	5.08	4.94	5.23	4.98	5.6	5.12	5.53
ESEER					7.81	7.83	8.11	7.52	8	8.09	7.96	-	8.26	-	8.22	-	
IPLV					9.29	9.3	9.71	9.22	9.37	9.9	9.46	9.33	9.86	9.2	10.1	9.49	9.52
Dimensions	Unit	Height	mm		1,865			1,985				2,082	2,200	2,083	2,200	2,225	2,290
		Width	mm		1,055			1,160				1,510	1,270	1,510	1,270	1,510	
		Length	mm		3,625				3,585			4,688	3,580	4,793	3,580	4,768	4,812
Weight	Unit		kg		1,750	1,950	2,050	2,850		2,650	3,000	4,400	3,700	4,700	3,900	5,100	5,900
	Operation weight		kg		2,033	2,276	2,407	3,197	3,354	3,162	3,568	4,970	4,412	5,370	4,699	5,890	6,920
Water heat exchanger - evaporator	Type				Flooded shell and tube												
	Water volume		l		70	96	107		134		156	207.3	199	317.4	229	317.4	444.3
	Water flow rate	Nom.	l/s		16.4	22.7	27.1	32	32.7	35.6	45.3	-	54.1	-	70.9	-	
		Cooling Nom.	l/s		-							49.1	-	68	-	80.4	103
	Water pressure drop	Cooling Nom.	kPa		54.2	46.5	51.5	71.4	58.3	68.7	73.2	61.4	68.9	70.7	82	70.7	78.9
Water heat exchanger - condenser	Type				Shell and tube							Flooded Shell & Tube	Shell and tube	Flooded Shell & Tube	Shell and tube	Flooded Shell & Tube	
	Water volume		l		83	100	120		170	188	211	326.4	263	359.9	320	442.6	603.6
	Water flow rate	Nom.	l/s		19.6	27	32.1	38.6	39.1	41.6	53.9	-	64.1	-	83	-	
		Cooling Nom.	l/s		-							58.9	-	81.4	-	95.8	121
	Water pressure drop	Cooling Nom.	kPa		56.4	68.4	62.4	90	52.9	46.7	58.3	44	57.6	66	58.5	50	62
Compressor	Type				Driven vapour compressor												
	Quantity				1			2		1	2	3	2	3	2	3	
Sound power level	Cooling	Nom.	dBA		87.9	88.9	89.9	91.1	91	91.1	92	98	93.3	99	94.3	100	101
Sound pressure level	Cooling	Nom.	dBA		69.6	70.6	71.6	72.6			73.6	79	74.6	80	75.6	81	82
Operation range	Evaporator	Cooling Min.~Max.	°CDB		4~20												
	Condenser	Cooling Min.~Max.	°CDB		20~55		20~42	20~55		20~42	20~55		20~42	20~55	20~42		
Refrigerant	Type/GWP				R-134a/1,430												
	Charge		kg		130			120	200	190	200	350	250	400	250	420	470
	Circuits	Quantity			1												
Refrigerant charge			TCO2Eq		186			172	286	272	286	-	358	-	358	-	
Piping connections			mm		139.7				168.3						219.1		
Piping connections			mm		139.7				168.3						219.1		
Unit	Running current	Cooling Nom.	A		105.42	144.7	162.48	212.9	210.15	196	287.44	318.3	323.53	425.9	392	496	588
		Max	A		134	208	166	267		196	417	406	331	631	392	511	589
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400												

performances according to CSS software 10.27

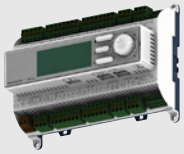
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EWWH-DZ



Microtech 4

DAIKIN mAP



More details and final information can be found by scanning or clicking the QR codes.

EWWH-DZXS

Cooling Only				EWWH-DZXS	230	320	380	430	455	460	640	755	920	945	C11	C13
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		227.08	318.33	376.33	455.13	454.66	474.48	637.15	752.27	917.79	945.8	1,126	1,352
	ηs,c		%		330	346		342		339	352	354	353	360.2	359.4	364.2
SEER					8.78	8.66	8.67	8.8	8.78	8.32	9.04	9.07	9.06	9.02	9.04	9.13
Cooling capacity	Nom.			kW	227	318	376	455		461	637	752	918	945.8	1,126	1,352
Power input	Cooling	Nom.		kW	45.6	60.5	71.4	93.3	90.6	79.3	120.5	142.1	158.8	181	216.5	237.7
Capacity control	Method				Variable									Stepless		
	Minimum capacity			%	24	21	20	13	12	20	11	10		11		16
EER					4.98	5.27		4.88	5.02	5.81	5.29		5.78	5.22	5.2	5.69
ESEER					7.78	7.97	7.98	7.89	8.06	7.76	8.26	8.3	8.16	-		
IPLV					9.37	9.52	9.56	9.44	9.5		9.74	9.78	9.74	9.54	9.57	9.71
Dimensions	Unit	Height		mm	1,865			1,985				2,200		2,083	2,225	2,290
		Width		mm	1,055			1,160				1,270		1,510		
		Length		mm	3,625			3,585				3,580		4,793	4,768	4,812
Weight	Unit			kg	1,700	1,900	2,000	2,850		2,600	2,900	3,600	3,800	4,350	4,750	5,500
	Operation weight			kg	1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	4,579	5,020	5,540	6,570
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume			l	70	96	107		134		156	199	229	271.8	317.4	444.3
	Water flow rate	Cooling	Nom.	l/s	10.8	15.2	18	20.5	21.7	22	30.4	35.9	43.9	45.2	53.8	64.6
	Water pressure drop	Cooling	Nom.	kPa	28.2	24.6	26.8	31.7	27.8	28.6	35.9	33	34.3	30	31	
Water heat exchanger - condenser	Type				Shell and tube									Flooded Shell & Tube		
	Water volume			l	83	100	120		170	188	211	263	320	359.9	442.6	603.6
	Water flow rate	Cooling	Nom.	l/s	13	18.1	21.4	24.5	26.1	25.8	36.2	42.7	51.4	53.8	64.2	76
	Water pressure drop	Cooling	Nom.	kPa	24	30	27	35	23	17	25		22	27	26	24
Compressor	Type				Driven vapour compressor											
	Quantity				1			2		1	2			3		
Sound power level	Cooling	Nom.		dBA	87.9	88.9	89.9	91.1	91	91.1	92	93.3	94.3	99	100	101
Sound pressure level	Cooling	Nom.		dBA	69.6	70.6	71.6	72.6			73.6	74.6	75.6	80	81	82
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	4~20											
	Condenser	Cooling	Min.~Max.	°CDB	20~55		20~42	20~55		20~42	20~55	20~42		20~55	20~42	
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge			kg	120			180				230		320	340	390
	Circuits	Quantity			1											
Refrigerant charge				TCO2Eq	1							2		-		
Piping connections				mm	139.7				168.3				219.1			
				mm	139.7				168.3				219.1	168.3	219.1	
Unit	Running current	Cooling	Nom.	A	72	99	112	133	144	125	198	222	249	297.8	339.2	374.1
Unit	Running current	Max		A	95	150	123	190		142	300	246	284	451	370	448
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

performances according to CSS software 10.27

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EWWH-DZ

Microtech 4

DAIKIN mAP



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EWWH-DZXE

Cooling Only					EWWH-DZXE	245	345	405	470	480	490	685	740	810	955	C10	C12	C14
Space cooling	A Condition (35°C - 27/19)	Pdc		kW		241.98	339.33	401.93	460.88	483.83	486.57	678.69	741	802.77	944.73	1,033	1,226	2,172.91
	ηs,c			%		331	350		335	345	344	356	344.6	358	356	364.2		371.8
SEER						8.85	8.75	8.79	8.94	8.4	8.9	9.18	8.8	9.22	9.15	9.17		9.35
Cooling capacity	Nom.			kW		242	339	402	487	474	484	679	741	803	945	1,033	1,226	1,417
Power input	Cooling	Nom.		kW		47.9	63.4	75.1	98.7	79.5	95.1	126.3	144.6	149.4	159.2	192.9	229.5	238.3
Capacity control	Method					Variable							Stepless	Variable		Stepless		
	Minimum capacity			%		24	20	19	12	20	12	10	12	9	10	11		17
EER						5.05	5.35		4.93	5.97	5.09	5.37	5.13	5.37	5.93	5.35	5.34	5.94
ESEER						7.78	8.02	8	7.75	7.83	8.04	8.22	-	8.27	8.23	-		
IPLV						9.33	9.54	9.58	9.36	9.56	9.43	9.74	9.44	9.79	9.8	9.62	9.65	9.72
Dimensions	Unit	Height		mm		1,865			1,985				2,082	2,200		2,083	2,225	2,290
		Width		mm		1,055			1,160				1,510	1,270		1,510		
		Length		mm		3,625				3,585			4,688	3,580		4,793	4,768	4,812
Weight	Unit			kg		1,750	1,950	2,050	2,850	2,650	2,850	3,000	4,400	3,700	3,900	4,700	5,100	5,900
	Operation weight			kg		2,033	2,276	2,407	3,197	3,162	3,354	3,568	4,970	4,412	4,699	5,370	5,890	6,920
Water heat exchanger - evaporator	Type					Flooded shell and tube												
	Water volume			l		70	96	107		134		156	207.3	199	229	317.4		444.3
	Water flow rate	Cooling	Nom.	l/s		11.6	16.2	19.2	22.4	22.6	23.1	32.4	34.9	38.4	45.2	48.7	57.9	67
	Water pressure drop	Cooling	Nom.	kPa		29.7	28.4		37.8	30.8	32	41.3	31	38.1	36.9	37	38	33
Water heat exchanger - condenser	Type					Shell and tube							Flooded Shell & Tube	Shell and tube		Flooded Shell & Tube		
	Water volume			l		83	100	120		188	170	211	326.4	263	320	359.9	442.6	603.6
	Water flow rate	Cooling	Nom.	l/s		13.9	19.2	22.8	26.7	26.4	27.7	38.5	41.8	45.5	52.8	57.8	68.8	78.4
	Water pressure drop	Cooling	Nom.	kPa		28	34	31	42	18	26	29	21	28	23	33	30	26
Compressor	Type					Driven vapour compressor												
	Quantity					1			2	1	2		3	2		3		
Sound power level	Cooling	Nom.		dBA		87.9	88.9	89.9	91.1		91	92	98	93.3	94.3	99	100	101
Sound pressure level	Cooling	Nom.		dBA		69.6	70.6	71.6	72.6			73.6	79	74.6	75.6	80	81	82
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		4~20												
	Condenser	Cooling	Min.~Max.	°CDB		20~55		20~42	20~55	20~42	20~55			20~42		20~55	20~42	
Refrigerant	Type/GWP					R-1234(ze)/7												
	Charge			kg		130			120	190	200		350	250		400	420	470
	Circuits	Quantity				1												
Refrigerant charge				TCO2Eq		1							-	2		-		
Piping connections				mm		139.7				168.3				219.1				
				mm		139.7				168.3				219.1		168.3	219.1	
Unit	Running current	Cooling	Nom.	A		75	103	117	142	125	150	205	277	232	249	311	249	
Unit	Running current	Max		A		95	150	123	190	142	190	300	286	246	284	451	370	448
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400												

performances according to CSS software 10.27

INVERTER

Water cooled centrifugal chiller, high efficiency, standard sound

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design
- Optimized for highly efficient R-513A refrigerant and compatible with next generation refrigerants



EWWS-DZ Microtech 4



More details and final information can be found by scanning or clicking the QR codes.

EWWS-DZXS

Cooling Only				EWWS-DZXS	320	440	530	610	640	700	880	C10	C13	C14	C15	C21
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		315.85	438.98	520.21	629.71	630.64	694.46	875.77	1,043.15	1,304.67	1,390.46	1,549.85	2,027.16
	ηs,c		%		3.416	3.376	3.54	3.448	3.508	3.428	3.508	3.636	3.448	3.624	3.552	3.608
SEER					8.74	8.64	9.05	8.82	8.97	8.77	8.97	9.29	8.82	9.26	9.08	9.22
Cooling capacity	Nom.		kW		316	439	520	609	631	694	876	1,043	1,305	1,390	1,550	2,027
Power input	Cooling	Nom.	kW		67.1	90	103	126	132	127	177	205	270	257	312	384
Capacity control	Method				Variable											
	Minimum capacity		%		30	21		16	15	18	11		7	9	8	6
EER					4.71	4.88	5.05	4.82	4.77	5.44	4.92	5.08	4.82	5.4	4.96	5.27
IPLV					9.31	9.25	9.61	9.29	9.44	9.77	9.45	9.83	9.1	9.96	9.38	9.34
Dimensions	Unit	Height	mm		1,865			1,985				2,200	2,083	2,200	2,225	2,290
		Width	mm		1,055			1,160				1,270	1,510	1,270	1,510	
		Depth	mm		3,625				3,585			3,580	4,793	3,580	4,768	4,812
Weight	Unit		kg		1,700	1,900	2,000	2,850		2,600	2,900	3,600	4,350	3,800	4,750	5,500
	Operation weight		kg		1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	5,020	4,579	5,540	6,570
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume		l		70	96	107		134		156	199	272	229	317	444
	Water flow rate	Cooling Nom.	l/s		15.3	21.3	25.2	29.1	30.6	33.7	42.5	50.5	63.1	67.4	75	98.1
	Water pressure drop	Cooling Nom.	kPa		47.3	40.9	44.8	59.1	51.1	61.7	64.5	59.3	59.5	74.4	61.3	70.4
Water heat exchanger - condenser	Type				Flooded Shell & Tube											
	Water volume		l		83	100	120		170	188	211	263	360	320	443	604
	Water flow rate	Cooling Nom.	l/s		18.4	25.4	30.1	34.9	36.8	39.6	50.8	60.2	75.9	79.5	89.9	116
	Water pressure drop	Cooling Nom.	kPa		49.4	60.4	54.5	74.2	46.5	42.1	51.5	50.4	56.1	53.4	43.7	55.7
Compressor	Type				Driven vapour compressor											
	Quantity				1			2		1	2		3	2	3	
Sound power level	Cooling	Nom.	dBA		87.9	88.9	89.9	91.1	91.0	91.1	92.0	93.3	93.5	94.3	94.8	95.8
Sound pressure level	Cooling	Nom.	dBA		69.6	70.6	71.6		72.6		73.6	74.6	73.9	75.6	75.2	76.2
Refrigerant	Type/GWP				R-513A/631											
	Charge		kg		120	150	120	140	190	180	200	230	240	230	270	
	Circuits	Quantity			1											
Piping connections			mm		139.7				168.3			219.1				
			mm		139.7				168.3					219.1		

INVERTER

Water cooled centrifugal chiller, high efficiency, standard sound

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
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- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design
- Optimized for highly efficient R-513A refrigerant and compatible with next generation refrigerants



EWWS-DZ Microtech 4



More details and final information can be found by scanning or clicking the QR codes.

EWWS-DZXE

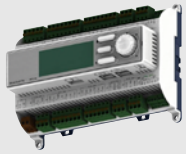
Cooling Only				EWWS-DZXE	340	470	570	670	680	740	950	C10	C11	C14	C15	C17	C22
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		336.72	471.24	558.03	676.76	674.49	728.69	941.72	1,024.55	1,117.07	1,419.67	1,450.66	1,652.82	2,128.56
	ηs,c		%		3.428	3.396	3.568	3.452	3.52	3.464	3.532	3.444	3.664	3.464	3.668	3.556	3.656
SEER					8.77	8.69	9.12	8.83	9	8.86	9.03	8.81	9.36	8.86	9.37	9.09	9.34
Cooling capacity	Nom.		kW		337	471	558	671	674	729	942	1,025	1,117	1,420	1,451	1,653	2,129
Power input	Cooling	Nom.	kW		70.2	95.1	108	139		129	188	209	215	287	259	324	385
Capacity control	Method				Variable												
	Minimum capacity		%		29	20		15		17	10			7	9	7	6
EER					4.8	4.96	5.15	4.8	4.85	5.61	5.01	4.89	5.18	4.94	5.6	5.1	5.52
IPLV					9.22	9.2	9.59	9.11	9.31	9.78	9.38	9.25	9.81	9.12	9.98	9.4	9.41
Dimensions	Unit	Height	mm		1,865			1,985				2,082	2,200	2,083	2,200	2,225	2,290
		Width	mm		1,055			1,160				1,510	1,270	1,510	1,270	1,510	
		Depth	mm		3,625				3,585			4,688	3,580	4,793	3,580	4,768	4,812
Weight	Unit		kg		1,750	1,950	2,050	2,850		2,650	3,000	4,400	3,700	4,700	3,900	5,100	5,900
	Operation weight		kg		2,033	2,276	2,407	3,197	3,354	3,162	3,568	4,970	4,412	5,370	4,699	5,890	6,920
Water heat exchanger - evaporator	Type				Flooded shell and tube												
	Water volume		l		70	96	107		134		156	207	199	272	229	317	444
	Water flow rate	Cooling Nom.	l/s		16.3	22.9	27	32	32.7	35.3	45.6	49.6	54.1	68.8	70.3	80.1	102
	Water pressure drop	Cooling Nom.	kPa		54.1	47.2	51.3	71.4	58.3	67.8	74.1	61.2	67.7	70.6	80.8	69.7	77.4
Water heat exchanger - condenser	Type				Flooded Shell & Tube												
	Water volume		l		83	100	120		170	188	211	326	263	360	320	443	604
	Water flow rate	Cooling Nom.	l/s		19.6	27.3	32.1	38.4	39.2	41.4	54.4	59.5	64.2	82.3	82.5	95.5	121
	Water pressure drop	Cooling Nom.	kPa		56.5	69.8	62.4	90.8	53.2	46.1	59.4	43.6	57.7	66.4	57.7	49.5	60.7
Compressor	Type				Driven vapour compressor												
	Quantity				1			2		1	2	3	2	3	2	3	
Sound power level	Cooling	Nom.	dBA		87.9	88.9	89.9	91.1	91.0	91.1	92.0	92.6	93.3	93.5	94.3	94.8	95.8
Sound pressure level	Cooling	Nom.	dBA		69.6	70.6	71.6	72.6			73.6	73	74.6	73.9	75.6	75.2	76.2
Refrigerant	Type/GWP				R-513A/631												
	Charge		kg		160	130		200		190	200	270	250	270	250	300	355
	Circuits	Quantity			1												
Piping connections			mm		139.7				168.3				219.1				
			mm		139.7				168.3						219.1		

Water cooled centrifugal chiller, high efficiency, standard sound

› Single Compressor chiller
› High part load efficiency with Daikin VFD Unit Mounted - Refrigerant Cooled
› Low Harmonics VFD option
› Excellent Full Load performance
› Unloading down to 10% without Hot Gas By Pass
› Refrigerant flexibility with R-134a, R-1234ze and R-513A
› Reduced refrigerant quantity
› Touch screen operator panel
› Unit mounted control panel
› Rapid restart for fast start-up after power loss
› Heat pump mode



DWSC C



Microtech 4

Daikin Centrifugal Compressor

› No compromises in application flexibility
› Proven compressor technology (Daikin centrifugal compressor design)



Rapid restart for fast start-up after power loss

The UPS keeps the controller switched on enabling the unit to quickly reach the full load. Focused on data center and all applications where the cooling capacity supply is crucial.

Reduced refrigerant quantity

Thanks to the new high efficiency tubes and more compact heat exchanger design.

Heat pump mode

With reversibility on water side whenever a heating load is demanded thus improving suitability for applications with changing load during the year.

More details and final information can be found by scanning or clicking the QR codes.

DWSC-C

Cooling Only		DWSC C	DWSC C	DWSC C
Cooling capacity	Min./Max.	kW	1,050 (1)/4,500 (1)	700 (1)/3,300 (1)
Compressor	Type		Single stage centrifugal compressor	Single stage centrifugal compressor
Refrigerant	Type		R-134a / R-513A	R-1234(ze)
Power supply	Frequency	Hz	50/60	50/60

(1) AHRI conditions

Water cooled centrifugal chiller, high efficiency, standard sound

- Lower equipment, installation and annual operating costs than two single compressor chillers
- Main components can be removed or repaired without shutting down the unit as the chiller has two of everything (compressors, lubrication systems, control systems and starters)
- Compact design for small footprint and minimized installation space
- Unloading to 5% of full load provides improved stability of the chilled water temperature and less harmful cycling of compressors
- High efficiency flooded type shell and tube evaporator/ condensers



DWDC C

Free cooling operation

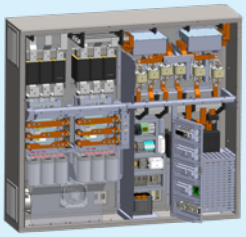
Allows to reduce the power consumption generated by traditional mechanical cooling.

Touch screen operator panel



Touch screen operator panel is graphically intuitive and easy to use for enhanced operator productivity. Important status and control information is available at a glance or a touch.

Unit mounted control panel



More details and final information can be found by scanning or clicking the QR codes.

DWDC-C

Cooling Only		DWDC C	DWDC C
Cooling capacity	Min./Max.	kW	2,100 (1)/9,000 (1)
Compressor	Type		Single stage centrifugal compressor
Refrigerant	Type		R-134a / R-513A / R-1234(ze)
Power supply	Frequency	Hz	50/60

(1)AHRI conditions

Accessories - Chillers

Panels			Air-cooled chillers							
			EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB & C	EWAD~TZB & C	EWAD~T- C
EKDICMPAB	(a) (b) (c)	iCM Primary Basic								●
EKDICMPAL	(a) (b) (c)	iCM Primary for evaporator peripherals Light						●	●	●
EKDICMPAF	(a) (b) (c)	iCM Primary for evaporator peripherals Full						●	●	●
EKDICMPWL	(a) (b) (c)	iCM primary Evaporator/Condenser Light								
EKDICMPWF	(a) (b) (c)	iCM primary Evaporator/Condenser Full								
EKDICMCTL	(a) (b)	iCM Cooling towers Light								
EKDICMCTF	(a) (b)	iCM Cooling towers Full								
EKDICMPABIO	(a) (b)	iCM Primary Basic with IO third party chiller						●	●	●
EKDICMPALIO	(a) (b)	iCM Primary Evaporator Light with IO third party chiller						●	●	●
EKTSMS		Temperature sensor for master/slave configuration					●			
EKRUMCL1		User Interface	●							

Serial Cards & Communication Modules			Air-cooled chillers							
			EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB & C	EWAD~TZB & C	EWAD~T- C
EKAC200J		Serial Card RS485/Modbus			●					
EKACBAC		Ethernet Card BACnet			●					
EKACLONP		Serial Card LON FTT 10			●					
EKACRS232		Serial Card RS232 Modem Interface (single unit only)			●					
EKACWEB		Web Server Card			●					
EKACBACMSTP		Serial Card BACnet MSTP			●					
EKACBACCERT		Serial Card BACnet pre-loaded IP/Ethernet (centrifugal chillers)								
EKACMSTPCERT		Serial Card BACnet pre-loaded MSTP (centrifugal chillers)								
EKCM200J		ModBus RTU communication module				●				
EKCMLON		LON communication module				●	●	●	●	●
EKCMBACMSTP		BACnet/MSTP communication module				●				
EKCMBACIP		BACnet/IP communication module				●	●	●	●	●
EKDOSMWO		Daikin on Site Modem without M2M card			●	●	●	●	●	●

Other Systems & Accessories			Air-cooled chillers							
			EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB & C	EWAD~TZB & C	EWAD~T- C
EKCON		Converter RS485 to RS232			●					
EKCONUSB		Converter RS485 to USB			●					
EKMODEM		Fixed modem			●					
EKGSMOD		GSM modem			●					
EKRUPCJ		Remote display kit			●					
EKRUPCS		Local/remote display HMI				●	●	●	●	●
EKPWPROEXT		PlantWatchPro I/O extension module for hardwiring and retrofit			●					
EKGWWEB		Gateway web (Ethernet LAN SNMP)			●					
EKGWMODEM		Gateway for modem			●					
EKAC10C		Address card for connection to BMS or Remote user interface								
EKRUMCA		Remote installed user interface								
EKLS2	(d)	Low noise kit 22/28/35/45/55/65 Hp-units								
ECB2MUCW	(e)	Controller kit								
ECB3MUCW	(e)	Controller kit								
EKRP1AHT	(g)	Digital input/output PCB								
EKRUAHTB	(g)	Remote user interface								
DTA104A62	(f)	External control adapter								
BHGP26A1	(f)	Digital pressure gauge kit								
EKQDP2M016	(g)	Differential Pressure Sensor 4-20 mA 0-160 kPa					●	●	●	●
EKQDP2M020	(g)	Differential Pressure Sensor 4-20 mA 0-250 kPa					●	●	●	●
EKQDP2M040	(g)	Differential Pressure Sensor 4-20 mA 0-400 kPa					●	●	●	●
EKQDP2M060	(g)	Differential Pressure Sensor 4-20 mA 0-600 kPa					●	●	●	●
EKDAPCONT		Containerization of one unit			●	●	●	●	●	●
EKDAPSTF		Containerization of additional units in the same container			●	●	●	●	●	●

Notes:
(a) Price **does not** include commissioning of panel; if commissioning is required please refer to RN17-041
(b) iCM panels work in **cooling mode only**; heat pump versions, total heat recovery and Free cooling options on A/C and W/C chillers **are not compatible**
(c) In case you are ordering iCM panels please add corresponding modbus RTU communication module (EKCM200J or EKAC200J) for each chiller unit controller
(d) For 45/55/65 Hp-units 2 pieces are needed
(e) Only available for modular units (EWWP~KAW1M)
(f) Price available in SAP system
(g) Differential pressure sensor are specific for iCM panels in variable primary flow management

			Water-cooled chillers							Centrifugals		
ERAD~E-	EWAT~B-	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_Q_-L	EWLD~I-	EWWS/H/D~J- EWLS/H/D~J-	EWWH~VZ	EWWD~VZ	EWWH~DZ	EWWD~DZ	DWSC & DWDC
	●				●	●	●	●	●	●	●	●
	●	●			●	●	●	●	●	●	●	●
	●	●			●	●	●	●	●	●	●	●
					●			●	●	●	●	●
					●			●	●	●	●	●
					●			●	●	●	●	●
					●			●	●	●	●	●
	●											
	●											
	●				●							

			Water-cooled chillers							Centrifugals		
ERAD~E-	EWAT_B- (single)	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_Q_-L	EWLD~I-	EWWD~J- EWLD~J-	EWWH~VZ A	EWWD~VZ A	EWWH~DZ	EWWD~DZ	DWSC & DWDC
												●
												●
												●
												●
												●
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	

			Water-cooled chillers							Centrifugals		
ERAD~E-	EWAT_B- (single)	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_Q_-L	EWLD~I-	EWWD~J- EWLD~J-	EWWH~VZ A	EWWD~VZ A	EWWH~DZ	EWWD~DZ	DWSC & DWDC
												●
												●
												●
												●
												●
●	●	●			●	●	●	●	●	●	●	
												●
												●
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			●	●								
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			●	●								
			●									
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	●	●			●	●	●	●	●	●	●	●
	●	●			●	●	●	●	●	●	●	●
	●	●			●	●	●	●	●	●	●	●
	●	●			●	●	●	●	●	●	●	●
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	



Fan Coil Units are a highly efficient means of turning a water chiller, heat pump or hot water boiler into an efficient, quiet air conditioning system. These units are an effective solution to provide a comfortable environment for both commercial and residential applications. Daikin offers a wide range of Fan Coil Units for both concealed and exposed applications. Three models are available in flexible application. The only moving part in the units is the fan, making them ideal for use in offices, hotels and at home. The goal is to obtain the right solution, both technically and aesthetically.

Fan coil units

Why choose Daikin fan coil units? 728

Products overview 732

Round flow cassette 734
- FWC-BT/BF 734

4-way blow ceiling mounted cassette 735
- FWF-BT/BF 735

Open protocol cassette 736
- NEW FWI-AT/AF 736
- NEW FWH-AT/AF 737

Floor standing units 738
- FWZ-AT/AF 738
- FWV-DAT/DAF 739

Flexi type units 740
- FWR-AT/AF 740
- FWL-DAT/DAF 741
- FWS-AT/AF 742
- FWM-DAT/DAF 743
- FWE-DT/DF 744

Ducted units 745
- FWE-CT/CF low ESP 745
- FWP-CT/CF medium ESP 746
- FWB- CT/CF medium ESP 747
- FWN-AT/AF high ESP 748
- FWD-AT/AF high ESP 749

Wall mounted unit 750
- FWT-GT 750

Options & accessories 752



Fan coil units with BLDC motor

As more buildings undergo renovation, the need to be able to deliver high indoor air quality in a specific space in an **efficient and cost-effective way** without having to do a radical re-fit of the entire HVAC system has made fan coil technology an obvious solution.

Daikin has a full capacity range of **aesthetically pleasing** fan coil units with advanced controls that reliably deliver **excellent comfort levels**. And by using a refined range of advanced DC fan motors, we are able to offer flexibility while maintaining very low noise levels.

Why choose Daikin fan coil units?

- The new brushless DC ranges reflect Daikin's commitment to developing highly efficient fan coil units that help to reduce energy consumption, without compromising on reliability and performance.
- High level quality is written large for us and we are pleased to offer high technology solutions to the market.

Benefits for the installer

› Reduced amount of sizes: less stock space needed
› Modular designs for multiple configurations
› Easy integration in BMS system via modbus protocol

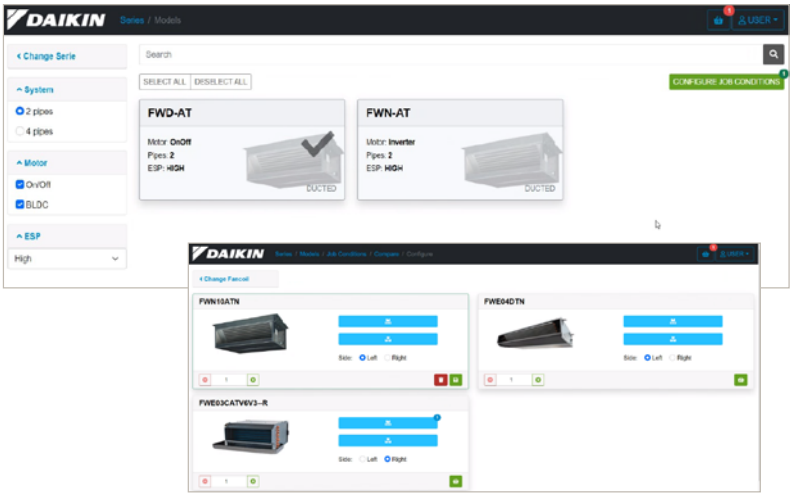
Benefits for the consultant

› Best solution in the market in order to have top efficiency, best comfort and lowest sound levels
› Product flexibility: wide range of options, accessories and controls

Benefits for the end user

› High comfort level
› Up to 70% savings on running costs with a BLDC fan motor
› Controller with timer programmed operating mode
› FWECSA controller that can satisfy all customer requirements in terms of FCU management

New generation web-based fan coil selection software



Select your FCU via our new web-based selection software:

› Selection logic is based on the performance conditions requested and filtered by the user
› The unit is completely configurable by the user with all the options/accessories available
› A modular report with certified technical specifications and project summary can be printed

BIM objects

Our Fan Coils units are available as BIM objects in Revit format, which means they can be used in Autodesk REVIT MEP and in AutoCAD 2D files.

Visit our BIM Application Suite

BLDC fan motors Video

Learn more on the advantages of BLDC fan motors in Fan coil units:

Higher efficiency than AC motor
High comfort level
Low sound levels
High flexibility level



Check on YouTube
www.youtube.com/DaikinEurope

Expanded FCU Controller Lineup

FWTOUCH
Touch interface



Full capacitive 2.8" colour touchscreen interface to use in combination with the FWECSAP control board

FWEC2T/4T/10
Simplified electronic controller



Wired wall controller available in 3 models:
2 pipe, 4 pipe, BLDC (with automatic speed function)



FWH-A (AC) & FWI-A (BLDC)

New "open protocol" cassette



Structure
› 600x600 (02 up to 04 size)
› 900x900 (06 up to 08 size)
› Condensate drainage pump operates up to 0.9m
› 4-way air discharge with RAL9003 ABS panel

Performance
› BLDC fan-motor technology
› Low noise level and optimized comfort
› up to 5 kW for 600x600 models
› up to 10 kW for 900x900 models

Control
› The "Open protocol" feature allows 3rd party BMSintegration through the ModBus protocol
› Can be used in combination with the Daikin "split-controller" and the FWTOUCH interface
› Compatible with the Daikin wired room controllers

Options
› Pressure Independent Control valve kit
› ON/OFF and proportional valve kit
› Ready to be combined with spigot for fresh air introduction and air distribution plenum



Coanda effect decoration panel for FWH/FWI-A cassette



Products overview

Type	Model	Product name	Fan motor type	Capacity
Round flow cassette	Round flow cassette - 900 x 900 cassette - 360° air discharge ensures uniform air flow - Integrated fresh air intake - Easy installation in corners - Standard drain pump with 850 mm lift	FWC-BT/BF	BLDC	Cooling: 4.0 - 8.7 kW Heating: 4.8 - 10.6 kW
4-way blow ceiling mounted cassette	4-way blow ceiling mounted cassette - 600 x 600 cassette - Integrated fresh air intake - Horizontal auto swing - Easy installation in corners - Standard drain pump with 750 mm lift	FWF-BT/BF	AC	Cooling: 1.4 - 4.9 kW Heating: 2.3 - 5.6 kW
Open protocol cassette	FWI-A - 600 x 600 and 900 x 900 cassette - BLDC motor with low energy consumption up to 75% - 4-way air discharge - Open protocol for control - Condensate drainage pump up to 900 mm lift	FWI-A	BLDC	Cooling: 1.33 - 10.5 kW Heating: 1.49 - 12.2 kW
	FWH-A - 600 x 600 and 900 x 900 cassette - ON/OFF 3-speed motor - 4-way air discharge - Open protocol for control - Condensate drainage pump up to 900 mm lift	FWH-A	AC	Cooling: 1.70 - 9.73 kW Heating: 1.97 - 11.1 kW
Floor standing units	Floor standing unit - For vertical mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWZ-AT/AF	BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW
	Floor standing unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWV-DAT/DAF	AC	Cooling: 1.46 -8.02 kW Heating: 1.90 - 10.03 kW
Flexi type units	Flexi type unit - For horizontal or vertical mouting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWR-AT/AF	BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46- 11.18 kW
	Flexi type unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWL-DAT/DAF	AC	Cooling: 1.46 - 8.02 kW Heating: 1.90 - 10.03 kW
	Concealed flexi type unit - For horizontal or vertical concealed mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWS-AT/AF	BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW
	Concealed flexi type unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWM-DAT/DAF	AC	Cooling: 1.46 -8.02 kW Heating: 1.90 - 10.03 kW
	Concealed flexi type - For horizontal or vertical concealed mounting - Available static pressure up to 30 Pa - Easy installation and maintenance - 5/6 speed fan motor - High power air flow	FWE-DT/DF	AC	Cooling: 1.2 - 5.6 kW Heating: 1.3 - 6.3 kW
Ducted units	Ducted unit with low ESP - For horizontal concealed mounting - Available static pressure up to 30 Pa - Easy installation and maintenance - 4-speed fan motor - High power air flow	FWE-CT/CF	AC	Cooling: 2.10 - 9.96 kW Heating: 2.7 - 11.5 kW
	Ducted unit with medium ESP - For horizontal concealed mounting - Instant adjustment to temperature and relative humidity changes - Available static pressure up to 70 Pa - Low sound levels	FWP- CT/ CF	BLDC	Cooling: 1.97 - 8.28 kW Heating: 1.99 -8.46 kW
	Ducted unit with medium ESP - For horizontal concealed mounting - Available static pressure up to 60 Pa - 7-speed electrical motors (thermal protection on windings) - Easy maintenance	FWB-CT/CF	AC	Cooling: 1.90 - 8.12 kW Heating: 1.99 -8.46 kW
	Ducted unit with high ESP - For horizontal or vertical concealed mounting - Avaiable static pressure up to 70 Pa - Easy maintenance	FWN-AT/AF	BLDC	Cooling: 2.83 - 8.75 kW Heating: 3.63 - 18.10 kW
	Ducted unit with high ESP - For horizontal or vertical concealed mounting - Available static pressure from 60 up to 145 Pa - Easy maintenance	FWD-AT/AF	AC	Cooling: 3.90 - 18.30 kW Heating: 4.05 - 21.92 kW
Wall mounted unit	Wall mounted unit - High aesthetic cabinet design - Optimum air distribution - Easy installation - 3-speed fan motor	FWT-GT	AC	Cooling: 2.43 - 5.28 kW Heating: 3.22 - 7.33 kW

Capacity class

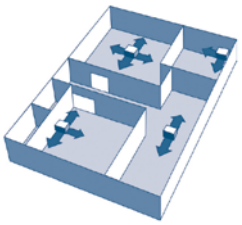
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ROUND FLOW

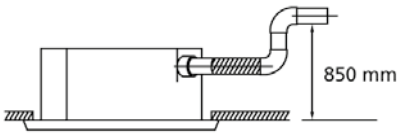
Round flow cassette

BLDC fan motor unit for ceiling mounting. 360° air discharge

› 360° air discharge ensures uniform air flow and temperature distribution
› Modern style decoration panel in white (RAL9010)
› Optional fresh air intake
› Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling



› Possibility to shut 1 or 2 flaps for easy installation in corners
› Standard drain pump with 850mm lift increases flexibility and installation speed





FWC-BT/BF



BRC7F532F



BRC315D

More details and final information can be found by scanning or clicking the QR codes.

FWC-BT

FWC-BF

Indoor unit			FWC-BT/BF	06	07	08	09	06	07	08	09
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	5.5	6.1	7.2	8.1	5.9	6.3	7.2	8.3
		Medium	kW	4.7	5.3	5.9	6.8	5.1	5.6	6.2	6.9
		Low	kW	3.9	4.5	4.8	5.4	4.3	4.6	4.8	5.7
	Sensible capacity	High	kW	4.2	4.7	5.7	6.5	4.2	4.6	5.4	6.4
		Medium	kW	3.5	4.0	4.5	5.3	3.6	4.0	4.5	5.2
		Low	kW	2.8	3.3	3.5	4.1	3.1	3.3	3.5	4.0
Heating capacity (standard conditions)	High		kW	6.8	7.7	9.2	10.6	6.9	7.8	9.2	10.4
	Medium		kW	5.8	6.6	7.6	8.8	6.1	6.7	7.6	8.7
	Low		kW	4.8	5.5	5.8	7.0	5.2	5.5	5.8	6.8
Power input	High		kW	0.045	0.054	0.077	0.107	0.046	0.055	0.077	0.107
	Medium		kW	0.040	0.046	0.058	0.076	0.041	0.047	0.059	0.077
	Low		kW	0.034	0.037	0.039	0.045	0.035	0.038	0.040	0.046
FCEER				116	119	113	104	124	120	112	106
FCCOP				143	147	141	137	149	144	138	131
Dimensions	Unit	HeightxWidthxLength	mm	288x840x840							
Weight	Unit		kg	26				29			
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	High	m^3/h	1,068	1,236	1,518	1,776	1,032	1,200	1,476	1,746
		Medium	m^3/h	894	1,038	1,200	1,410	864	1,002	1,164	1,374
		Low	m^3/h	720	834	888	1,044	708	804	852	1,014
Total sound power level	High		dBA	43.0	47.0	53.0	57.0	43.0	47.0	53.0	57.0
	Medium		dBA	36.0	39.0	44.0	49.0	36.0	39.0	44.0	49.0
	Low		dBA	31.0	33.0	36.0	40.0	33.0	36.0		40.0
Sound pressure level	High		dBA	29.0	33.0	39.0	43.0	29.0	33.0	39.0	43.0
	Medium		dBA	24.0	28.0	32.0	37.0	24.0	28.0	32.0	37.0
	Low		dBA	21.0	22.0	24.0	28.0	21.0	22.0	24.0	28.0
Piping connections	Drain	OD	mm	VP25 (External dia.32 / internal dia. 25)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							
Control systems	Infrared remote control			BRC7E532F / BRC7E533F							
	Wired remote control			BRC315D7							

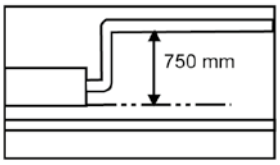
For standard conditions refer to Measuring Conditions table, at the end of this catalogue

4-way blow ceiling mounted cassette

AC fan motor unit for ceiling mounting.
Possibility to shut 1 or 2 flaps

- Modern style decoration panel in white (RAL9010)
- Compact casing (570mm in width and Length) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Comfortable horizontal auto swing ensures draughtfree operation and prevents ceiling soiling
- Optional fresh air intake
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Standard drain pump with 750mm lift increases flexibility and installation speed





More details and final information can be found by scanning or clicking the QR codes.

FWF-BT FWF-BF

Indoor unit			FWF-BT/BF	02	03	04	05	02	03	04	05
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.7	3.0	4.0	4.9	1.8	2.9	3.8	4.6
		Medium	kW	1.5	2.7	3.1	4.0	1.5	2.4	3.1	3.8
		Low	kW	1.3	2.4		2.8	1.3	1.6		2.6
	Sensible capacity	High	kW	1.4	2.0	2.7	3.5	1.5	1.8	2.5	3.2
		Medium	kW	1.2	1.7	2.0	2.7	1.2	1.5	1.9	2.5
		Low	kW	1.0	1.4		1.8		1.0		1.6
Heating capacity (standard conditions)		High	kW	2.4	3.3	4.5	5.6	3.3	3.6	4.7	5.7
		Medium	kW	2.1	2.9	3.5	4.4	2.9	3.1	3.7	4.7
		Low	kW	1.9	2.7		3.0	2.4	2.6		3.2
Power input		High	kW	0.074		0.090	0.118	0.074		0.094	0.121
		Medium	kW	0.067		0.070	0.089	0.067	0.062	0.074	0.093
		Low	kW	0.060		0.055	0.062	0.060	0.055		0.066
FCEER				22	40	44	45	22	33	34	40
FCCOP				32	45	49		41	48		49
Dimensions	Unit	HeightxWidthxLength	mm	285x575x575							
Weight	Unit		kg	19				20			
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	High	m^3/h	456	468	660	876	468	438	618	822
		Medium	m^3/h	384	390	486	648	390	366	456	612
		Low	m^3/h	300	318		420	318	300		390
Total sound power level	High		dBA	44.0		50.0	55.0	44.0	46.0	52.0	57.0
	Medium		dBA	40.0		44.0	49.0	40.0	42.0	46.0	51.0
	Low		dBA	36.0	38.0		42.0	36.0	38.0	41.0	44.0
Sound pressure level	High		dBA	31.0		40.0	45.0	31.0	33.0	42.0	47.0
	Medium		dBA	27.0		33.0	39.0	27.0	29.0	35.0	41.0
	Low		dBA	26.0			30.0	26.0	27.0		32.0
Piping connections	Drain	OD	mm	VP20 (External dia.26 / Internal dia. 20)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-440							
Control systems	Infrared remote control			BRC7E530 / BRC7E531							
	Wired remote control			BRC315D7							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Open Protocol Cassette

BLDC fan motor for a precise control of operation
4-way air discharge

› Two dimensional frames (600x600mm and 900x900mm)
› Modern style ABS air intake diffusion grille
› Low operating sound level
› Up to 70% energy savings with brushless DC motor technology compared to traditional technology
› Condensate drainage pump up to 900mm lift
› Available with mounted control board or in naked version to be combinable with any controller
› Reduced installation and commissioning time with the availability of 2-way or 3-way valves, with ON-OFF or modulating actuator, and also pressure-independent control valves



Indoor unit			FWI-AT/FWI-AF	02	03	04	06	07	08	02	04	06	08
				2-pipe						4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	2.63	4.39	5.23	6.39	9.04	10.5	2.6	3.61	6.61	9.5
		Medium	kW	2.24	3.4	3.95	5.36	7.26	8.37	2.18	2.8	5.34	7.62
		Low	kW	1.93	2.68	2.76	4.8	5.92	6.7	1.85	2.05	4.61	6.09
	Sensible capacity	High	kW	2.2	3.41	4.11	4.75	6.78	7.97	2.23	3.31	5.03	7.56
		Medium	kW	1.81	2.54	2.96	3.92	5.31	6.15	1.79	2.38	3.94	5.82
		Low	kW	1.51	1.94	1.98	3.8	4.24	4.8	1.46	1.62	3.34	4.5
Heating capacity (standard conditions)	High		kW	3.25	4.58	5.55	7.30	10.20	12.20	3.86	4.98	9.53	12.90
	Medium		kW	2.70	3.48	4.09	6.00	7.99	9.35	3.34	4.06	7.96	10.80
	Low		kW	2.27	2.69	2.77	5.50	6.33	7.23	2.90	3.14	7.01	8.96
Power input	High		kW	0.018	0.037	0.067	0.036	0.067	0.15	0.018	0.067	0.036	0.15
	Medium		kW	0.01	0.015	0.022	0.018	0.036	0.06	0.01	0.022	0.018	0.06
	Low		kW	0.007	0.009	0.009	0.013	0.018	0.025	0.007	0.009	0.014	0.025
Dimensions	Unit	Height	mm	298			350			298		350	
		Width	mm	577			793			577		793	
		Depth	mm	577			793			577		793	
Weight	Unit		kg	23			43			23		43	
Casing	Material			Galvanised steel									
Decoration panel	Dimensions	Height	mm	41			75			41		75	
		Width	mm	730			860			730		860	
		Depth	mm	730			860			730		860	
		Weight	kg	2.5			5			2.5		5	
Air Filter	Type			Honeycomb polypropylene									
Fan	Type			Backward Centrifugal									
	Quantity			1									
	Air flow rate	High	m^3/h	583	796	980	1,276	1,554	1,831	610	982	1,137	1,823
		Medium	m^3/h	454	551	650	978	1,143	1,321	460	643	841	1,314
		Low	m^3/h	397	397	397	843	864	976	356	395	687	956
Total sound power level	High		dBA	46	54	61	45	53	58	46	61	45	58
	Medium		dBA	40	44	49	39	45	50	40	49	39	50
	Low		dBA	35	37	38	35	39	43	35	38	35	43
Sound pressure level	High		dBA	38	46	61	37	45	50	46	61	45	58
	Medium		dBA	33	36	49	31	37	42	40	49	39	50
	Low		dBA	27	29	38	27	31	35		38	35	43
Water flow	Cooling	High	l/h	452	754	898	1,097	1,545	1,805	447	620	1,135	1,631
		Medium	l/h	385	584	687	921	1,245	1,436	374	480	917	1,307
		Low	l/h	331	460	473	833	1,015	1,150	317	352	792	1,045
	Heating	High	l/h	565	797	965	1,269	1,779	2,116	338	435	834	1,133
		Medium	l/h	470	605	711	1,043	1,390	1,625	292	356	697	947
		Low	l/h	395	468	481	953	1,100	1,257	254	275	613	785
Allowed water temperature	Cooling	Min	°C	5									
	Heating	Max	°C	70									
Piping connections	Water	Inlet		1/2"			3/4"			1/2"		3/4"	
		Outlet		1/2"			3/4"			1/2"		3/4"	
	Drain	OD	mm	10									
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230									
Maximum absorbed current			A	0.64			1.20			0.64		1.20	
Control systems	Wired remote control			FWEC3A / FWECSA / FWTOUCH / FWEC10									

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Open Protocol Cassette

AC fan motor unit for ceiling mounting 4-way air discharge

- Two dimensional frames (600x600mm and 900x900mm)
- Modern style ABS air intake diffusion grille
- Reliability and sturdiness in a compact design
- Condensate drainage pump up to 900mm lift
- Available with mounted control board or in naked version to be combinable with any controller
- Reduced installation and commissioning time with the availability of 2-way or 3-way valves with ON-OFF or modulating actuator



Indoor unit			FWH-AT/FWH-AF	02	03	04	06	07	08	02	03	04	06	08
				2-pipe						4-pipe				
Cooling capacity (standard conditions)	Total capacity	High	kW	2.53	4.31	5	7.01	8.24	9.73	2.35	3.38	3.62	7.45	9
		Medium	kW	1.97	3.55	4.61	5.36	6.11	8.61	1.85	2.83	3.38	6.6	8.48
		Low	kW	1.7	2.39	3.4	4.64	5.16	6.34	1.56	2.01	2.58	4.73	5.83
	Sensible capacity	High	kW	2.14	3.18	3.79	5.29	6.1	7.35	1.94	3.38	3.02	5.81	6.98
		Medium	kW	1.6	2.53	3.44	3.99	4.37	6.4	1.49	2.22	2.77	5.04	6.56
		Low	kW	1.33	1.66	2.43	3.42	3.68	4.59	1.24	1.49	2	3.47	4.29
Heating capacity (standard conditions)	High		kW	3.1	4.3	5.35	8.17	9.18	11.1	3.55	4.22	4.81	10.6	12.4
	Medium		kW	2.33	3.44	4.92	6.06	6.53	9.53	2.88	3.62	4.54	9.6	11.7
	Low		kW	1.97	2.29	3.49	5.16	5.22	6.71	2.53	2.75	3.67	7.20	8.64
Power input	High		kW	0.04	0.05	0.09	0.11		0.15	0.04	0.05	0.09	0.11	0.15
	Medium		kW	0.02	0.04	0.07	0.06		0.11	0.02	0.04	0.07	0.06	0.11
	Low		kW	0.02	0.03	0.06	0.05		0.06	0.02	0.03	0.06	0.05	0.06
Dimensions	Unit	Height	mm	298			350			298			350	
		Width	mm	577			793			577			793	
		Depth	mm	577			793			577			793	
Weight	Unit		kg	23			43			23			43	
Casing	Material			Galvanised steel										
Decoration panel	Dimensions	Height	mm	41			75			41			75	
		Width	mm	730			860			730			860	
		Depth	mm	730			860			730			860	
		Weight	kg	2.5			5			2.5			5	
Air Filter	Type			Honeycomb polypropylene										
Fan	Type			Backward Centrifugal										
	Quantity			1										
	Air flow rate	High	m^3/h	557	640	805	1,494	1,380	1,651	533	640	805	1,380	1,651
		Medium	m^3/h	379	487	717	997	902	1,380	366	487	717	1,147	1,544
		Low	m^3/h	297	306	479	801	718	902	289	306	479	718	902
Total sound power level	High		dBA	45	50	58	51		56	45	50	58	51	56
	Medium		dBA	37	44	55	40		51	37	44	55	40	51
	Low		dBA	33	40	47	35		40	33	40	47	35	40
Sound pressure level	High		dBA	37	42	50	43		48	37	42	50	43	48
	Medium		dBA	29	36	47	32		43	29	36	47	32	43
	Low		dBA	25	32	39	27		32	25	32	39	27	32
Water flow	Cooling	High	l/h	441	749	873	1,223	1,434	1,696	410	589	637	1,299	1,571
		Medium	l/h	342	616	803	930	1,060	1,498	321	493	593	1,148	1,477
		Low	l/h	295	416	593	805	893	1,097	271	351	453	822	1,010
	Heating	High	l/h	539	747	930	1,420	1,596	1,930	311	369	421	929	1,083
		Medium	l/h	404	597	855	1,053	1,136	1,656	258	317	398	840	1,026
		Low	l/h	342	399	607	897	908	1,167	222	241	322	634	757
Allowed water temperature	Cooling	Min	°C	5										
	Heating	Max	°C	70										
Piping connections	Water	Inlet		1/2"			3/4"			1/2"			3/4"	
		Outlet		1/2"			3/4"			1/2"			3/4"	
	Drain	OD	mm	10										
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230										
Maximum absorbed current			A	0.2		0.4	0.7			0.2		0.4	0.7	
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / FWTOUCH / FWEC2T / FWEC4T										

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Floor standing unit

BLDC fan motor unit for vertical mounting. Continuous air flow regulation and fan speed modulation

- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- Requires very little installation space



More details and final information can be found by scanning or clicking the QR codes.

FWZ-AT FWZ-AF

Indoor unit			FWZ-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.2	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.1	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxLength	mm	564x774x226	564x984x226	564x1,190x226	564x1,404x251	564x774x226	564x984x226	564x1,190x226	564x1,404x251
Weight	Unit		kg	20.6	26.7	32.3	41.6	20.6	26.7	32.3	41.6
Casing	Colour			White - RAL9010							
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA / FWTOUCH / FWEC10							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Floor standing unit

AC fan motor unit for vertical mounting

› Quick fixing system for wall mounted installation
› Pre-assembled 3-way/4-port on/off valves are available
› Valve packages are insulated, no extra drain pan required
› Valve packages contain balancing valves and sensor pocket
› Fast-on connections for electrical options: no tools needed
› The air filter can easily be removed for cleaning
› Electric heater: no relay up to 2kW capacity
› Electric heater: equipped with two overheat cut-out thermostats



More details and final information can be found by scanning or clicking the QR codes.

FWV-DAT FWV-DAF

Indoor unit			FWV-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04			0.05	0.06	0.07	0.13	0.17		0.03	0.04			0.05	0.06	0.07	0.13	0.17	
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxLength	mm	564x774x226			564x984x226		564x1,190x226			564x1,400x251		564x774x226			564x984x226		564x1,190x226			564x1,400x251	
Weight	Unit		kg	19.7		20.6	25.5	26.7	31.0	30.4	32.3	41.4	41.6	19.7		20.6	25.5	26.7	31.0	30.4	32.3	41.4	41.6
Casing	Colour			White - RAL9010																			
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442	640	706	785	1,011	1,393		307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341	450	497	605	771	1,022		225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241	320	361	470	570	642		174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0	52.0	53.0	56.0	61.0	67.0		45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0	49.0	54.0	60.0		39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0	43.0	47.0	49.0		33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0	47.0	48.0	51.0	56.0	62.0		40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0	44.0	49.0	55.0		34.0	39.0		38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0	38.0	42.0	44.0		28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0		3.0			1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / ECFWMB6 / FWTOUCH / FWEC2T / FWEC4T																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Flexi type unit

BLDC fan motor unit for horizontal or vertical mounting. Continuous air flow regulation and fan speed modulation

- For wall or ceiling mounted installation: ideal solution for spaces with no false ceilings
- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- Requires very little installation space



More details and final information can be found by scanning or clicking the QR codes.

FWR-AT FWR-AF

Indoor unit			FWR-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.20	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.10	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxLength	mm	564x774x246	564x984x246	564x1,190x246	564x1,404x271	564x774x246	564x984x246	564x1,190x246	564x1,404x271
Weight	Unit		kg	21.2	27.5	33.6	43.1	21.2	27.5	33.6	43.1
Casing	Colour			White - RAL9010							
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA / FWTOUCH / FWEC10							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Flexi type unit

AC fan motor unit for horizontal or vertical mounting

› Quick fixing system for wall or ceiling mounted installation
› Pre-assembled 3-way/4-port on/off valves are available
› Valve packages are insulated, no extra drain pan required
› Valve packages contain balancing valves and sensor pocket
› Fast-on connections for electrical options: no tools needed
› The air filter can easily be removed for cleaning
› Electric heater: no relay up to 2kW capacity
› Electric heater: equipped with two overheat cut-out thermostats



More details and final information can be found by scanning or clicking the QR codes.

FWL-DAT

FWL-DAF

Indoor unit			FWL-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04				0.05	0.06	0.07	0.13	0.17	0.03	0.04				0.05	0.06	0.07	0.13	0.17
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxLength	mm	564x774x246			564x984x246		564x1,190x246			564x1,400x271		564x774x246			564x984x246		564x1,190x246			564x1,400x271	
Weight	Unit		kg	20.6		21.2	26.5	27.5	32.5	33.5	33.6	43.1		20.6		21.2	26.5	27.5	32.5	33.5	33.6	43.1	
Casing	Colour			White - RAL9010																			
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442		640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341		450	497	605	771	1,022	225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241		320	361	470	570	642	174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0		52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0		49.0	54.0	60.0	39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0		43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0		47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0		44.0	49.0	55.0	34.0	39.0		38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0		38.0	42.0	44.0	28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0			3.0		1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / ECFWMB6 / FWTOUCH / FWEC2T / FWEC4T																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed flexi type unit

BLDC fan motor unit for horizontal or vertical concealed mounting. Continuous air flow regulation and fan speed modulation

› Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
› Up to 70% energy savings with brushless DC motor technology compared to traditional technology
› Instant adjustment to temperature and relative humidity changes
› Low operating sound level
› Highly flexible solutions: multiple sizes, piping topologies and connection valves
› Available static pressure up to 50Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.

FWS-AT FWS-AF

Indoor unit			FWS-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.2	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.1	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxLength	mm	535x584x224	535x794x224	535x1,000x224	535x1,214x249	535x584x224	535x794x224	535x1,000x224	535x1,214x249
Weight	Unit		kg	16.9	22.1	26.6	35.4	16.9	22.1	26.6	35.4
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA / FWTOUCH / FWEC10							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed flexi type unit

AC fan motor unit for horizontal or vertical concealed mounting

- Quick fixing system for wall or ceiling mounted installation
- Pre-assembled 3-way/4-port on/off valves are available
- Valve packages are insulated, no extra drain pan required
- Valve packages contain balancing valves and sensor pocket
- Fast-on connections for electrical options: no tools needed
- The air filter can easily be removed for cleaning
- Electric heater: no relay up to 2kW capacity
- Electric heater: equipped with two overheat cut-out thermostats
- Available static pressure up to 50Pa at maximum speed


FWM-DAT/DAF


FWEC2T/4T


FWEC1,2,3A


FWECSA


FWTOUCH

More details and final information can be found by scanning or clicking the QR codes.

FWM-DAT

FWM-DAF

Indoor unit			FWM-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04				0.05	0.06	0.07	0.13	0.17	0.03	0.04				0.05	0.06	0.07	0.13	0.17
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxLength	mm	535x584x224			535x794x224		535x1,000x224			535x1,210x249		535x584x224			535x794x224		535x1,000x224			535x1,210x249	
Weight	Unit		kg	16.5		16.9	21.4	22.1	26.3	26.4	26.6	35.4		16.5		16.9	21.4	22.1	26.3	26.4	26.6	35.4	
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442		640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341		450	497	605	771	1,022	225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241		320	361	470	570	642	174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0		52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0		49.0	54.0	60.0	39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0		43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0		47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0		44.0	49.0	55.0	34.0	39.0		38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0		38.0	42.0	44.0	28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0			3.0		1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / FWTOUCH / FWEC2T / FWEC4T																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed flexi type unit with low ESP

AC fan motor unit for horizontal or vertical concealed mounting

› Low unit casing height of 200mm
› Sirocco Fan leading to low noise operation
› Open control
› Factory mounted valve combinations
› Increased flexibility of capacity setting in the field
› The air filter can easily be removed for cleaning



More details and final information can be found by scanning or clicking the QR codes.

FWE-DT FWE-DF

Indoor unit			FWE-DT/FWE-DF	03	04	05	06	07	08	10	11	03	04	05	06	07	08	10	11
				2-pipe								4-pipe							
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.06	2.58	3.12	3.43	3.92	5.22	5.6	1.94	2.06	2.58	3.12	3.42	3.92	5.22	5.6
		Medium	kW	1.6	1.64	2	2.4	2.79	3.66	4.19	4.41	1.6	1.64	2	2.4	2.79	3.66	4.19	4.41
		Low	kW	1.22	1.4	1.64	2.01	2.41	2.77	3.1	3.39	1.22	1.4	1.64	2.01	2.42	2.77	3.1	3.39
		Fan speed 1	kW	1.22	1.21	1.33	1.24	2.07	2.38	2.57	2.81	1.22	1.21	1.33	1.24	2.07	3.22	2.57	2.81
	Sensible capacity	High	kW	1.59	1.69	2.11	2.56	2.81	3.22	4.28	4.59	1.59	1.69	2.11	2.56	2.81	3.22	4.28	4.59
		Medium	kW	1.31	1.34	1.64	1.97	2.28	3	3.44	3.61	1.31	1.34	1.64	1.97	2.28	3	3.44	3.61
		Low	kW	1	1.15	1.35	1.64	1.98	2.27	2.54	2.78	1	1.15	1.35	1.64	1.98	2.27	2.54	2.78
		Fan speed 1	kW	1	0.99	1.09	1.02	1.7	1.95	2.11	2.3	1	0.99	1.09	1.02	1.7	1.95	2.11	2.3
	Latent capacity	High	kW	0.35	0.37	0.46	0.56	0.62	0.71	0.94	1.01	0.35	0.37	0.46	0.56	0.62	0.71	0.94	1.01
		Medium	kW	0.32	0.34	0.43	0.49	0.58	0.66	0.86	0.92	0.32	0.34	0.43	0.49	0.58	0.66	0.86	0.92
Heating capacity (standard conditions)	Capacity	High	kW	2	2.38	2.89	4	4.37	4.64	5.98	6.35	2.11	2.61	2.94	3.84	4.57		5.83	6.18
		Medium	kW	1.69	1.99	2.32	3.36	3.6	4.39	4.96	5.17	1.81	2.37	2.58	3.09	3.93	4.34	4.87	5.07
		Low	kW	1.34	1.78	1.98	2.94	3.15	3.56	3.89	4.17	1.47	2.23	2.36	2.69	3.57		3.87	4.14
		Fan speed 1	kW	1.34	1.6	1.68	2.13	2.74	3.2	3.37	3.6	1.47	2.11	2.16	1.91	3.22		3.39	3.6
Power input	High		kW	0.03	0.03	0.04	0.06	0.07		0.10	0.11	0.03	0.03	0.04	0.06	0.07		0.10	0.11
	Medium		kW		0.03		0.05		0.06				0.03		0.05		0.06		
	Low		kW		0.03			0.04					0.03			0.04			
	Fan speed 1		kW		0.03		0.04	0.03					0.03		0.04	0.03			
Dimensions	Unit	Height	mm	200															
		Width	mm		795		995	1,200					795		995	1,200			
		Depth	mm	610															
	Packed unit	Height	mm	205															
		Width	mm		925		1,125	1,325					925		1,125	1,325			
		Depth	mm	745															
Weight	Unit		kg	17.5	18.5		22	25.5				18	19		22.5	26			
	Packed unit		kg	20	21		25	29				21	22		26	30			
Casing	Colour			Metal															
	Material			Galvanised sheet metal															
Air filter	Type			Plastic Frame / PP Filter Net (G1)															
Fan	Type			Sirocco fan															
	Quantity				2		3	4					2		3	4			
	Air flow rate	High	m^3/h	407	385	488	677	725		1,032	1,116	407	385	488	677	725		1,032	1,116
		Medium	m^3/h	326	306	374	527	570	669	798	846	326	306	374	527	570	669	798	846
		Low	m^3/h	235	263	304	446	481		555	619	235	263	304	446	481		555	619
		Fan speed 1	m^3/h	235	227	243	290	397		436	489	235	227	243	290	397		436	489
Total sound power level	High		dBA	45	44	50				57	59	45	44	50				57	59
	Medium		dBA	39	38	41	44	42	46	51	52	39	38	41	44	42	46	51	52
	Low		dBA	33	34	37	39	34		43	44	33	34	37	39	34		43	44
	Fan speed 1		dBA	33			30	31		38	40	33			30	31		38	40
Water flow	Cooling	High	l/h	334	354	443	536	589	674	897	962	334	354	443	536	589	674	897	962
		Medium	l/h	275	282	343	412	479	630	720	757	275	282	343	412	479	630	720	757
		Low	l/h	210	241	282	345	415	477	534	583	210	241	282	345	415	477	534	583
		Fan speed 1	l/h	210	209	228	213	354	409	442	483	210	209	228	213	354	409	442	483
	Heating	High	l/h	344	409	496	689	751	797	1,029	1,092	182	225	253	330	393		502	531
		Medium	l/h	290	343	400	577	618	755	852	888	156	203	222	266	338	374	419	436
		Low	l/h	230	306	341	505	542	613	669	717	126	192	203	231	307		333	356
		Fan speed 1	l/h	126	182	186	164	277		291	310	230	275	289	366	471	550	579	620
Piping connections	Drain	OD	mm	17.3															
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230															
Current input	High		A		0.01		0.02	0.03	0.02		0.04	0.05	0.01		0.02	0.03	0.02		0.04	0.05
	Medium		A		0.01		0.02					0.04	0.01			0.02				0.04
	Low		A		0.01		0.02			0.01	0.03		0.01			0.02			0.01	0.03
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / FWTOUCH / FWEC2T / FWEC4T															

Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 65°C, water temperature drop 10K. | Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K. | Inlet/outlet water temperature 7/12 °C; inlet air temperature 27°C DB 19°C WB

Concealed ceiling unit with low ESP

AC fan motor unit for horizontal concealed mounting

- Easy installation and maintenance
- 4-speed fan motor
- High power air flow
- Wired electronic controllers range
- Available static pressure up to 50Pa
- Wide operating range
- Standard left and right side water connection
- Extended drain pan as standard
- Factory mounted valve (both left and right side)
- Nylon filter G2 class
- Polyethylene insulation



More details and final information can be found by scanning or clicking the QR codes.

FWE-CT

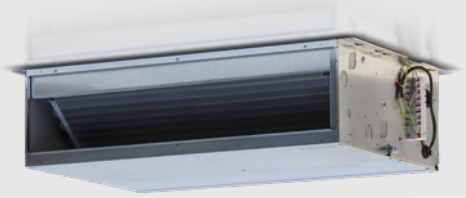
FWE-CF

Indoor unit			FWE-CT/CF	02	03	04	06	07	08	10	02	03	04	06	07	08	10
				2-pipe							4-pipe						
Cooling capacity (standard conditions)	Total capacity	Super high	kW	2.17	3.22	4.34	6.06	6.83	7.84	9.96	2.1	3.16	3.98	6.05	6.78	7.79	9.91
		High	kW	1.81	2.78	3.49	5.32	5.68	6.92	8.64	1.76	2.69	3.22	5.2	5.61	6.79	8.61
		Medium	kW	1.6	2.45	2.96	4.56	4.94	6.07	7.51	1.56	2.36	2.7	4.47	4.91	5.98	7.49
		Low	kW	0.9	1.4	1.8	2.8	3.1	3.9	4.9	0.85	1.40	1.63	2.72	3.10	3.88	4.88
	Sensible capacity	Super high	kW	1.61	2.44	3.27	4.55	4.83	6.02	7.58	1.55	2.37	3.19	4.49	5.16	5.91	7.45
		High	kW	1.33	2.08	2.58	3.94	4.3	5.25	6.48	1.28	1.99	2.53	3.81	4.2	5.09	6.39
		Medium	kW	1.16	1.82	2.16	3.34	3.71	4.56	5.57	1.13	1.73	2.1	3.23	3.64	4.44	5.49
		Low	kW	0.7	1.2	1.4	2.1	2.5	3.1	3.7	0.66	1.18	1.35	2.02	2.47	3.05	3.65
	Latent capacity	Super high	kW	0.56	0.78	1.07	1.51	2	1.82	2.38	0.55	0.79	0.79	1.56	1.62	1.88	2.46
		High	kW	0.48	0.7	0.91	1.38	1.38	1.67	2.16	0.48	0.7	0.69	1.39	1.41	1.7	2.22
Heating capacity (standard conditions)		Super high	kW	2.38	3.66	4.77	6.48	7.96	9.00	11.08	2.02	3.11	4.01	5.43	6.69	7.50	9.15
		High	kW	1.96	3.13	3.76	5.61	6.53	7.84	9.43	1.71	2.69	3.31	4.73	5.65	6.62	8.06
		Medium	kW	1.72	2.74	2.81	4.73	5.62	6.78	8.08	1.54	2.41	2.83	4.13	5.03	5.91	7.10
		Low	kW	1.02	1.70	1.93	2.85	3.75	4.49	5.30	0.90	1.51	1.79	2.53	3.45	4.04	4.77
Power input	Super high		kW	0.046	0.069	0.083	0.119	0.163	0.181	0.23	0.046	0.069	0.083	0.119	0.163	0.181	0.23
	High		kW	0.039	0.054	0.059	0.093	0.128	0.145	0.18	0.039	0.054	0.059	0.093	0.128	0.145	0.18
	Medium		kW	0.034	0.047	0.05	0.073	0.105	0.117	0.145	0.034	0.047	0.05	0.073	0.105	0.117	0.145
	Low		kW	0.029	0.04	0.042	0.06	0.089	0.102	0.121	0.029	0.04	0.042	0.06	0.089	0.102	0.121
Dimensions	Unit	Height	mm	253													
	Packed unit	Width		590													
		Depth		705	875	1,005	1,205	1,455	1,555	1,815	705	875	1,005	1,205	1,455	1,555	1,815
		Height	mm	260													
		Width	mm	605													
		Depth	mm	720	890	1,020	1,220	1,470	1,570	1,830	720	890	1,020	1,220	1,470	1,570	1,830
Weight	Unit		kg	17.0	20.2	23.7	28.4	36.7	39.1	45.5	18.1	21.6	25.3	30.1	39.7	41.4	48.9
	Operation weight		kg	17.0	20.2	23.7	28.4	36.7	39.1	45.5	18.1	21.6	25.3	30.1	39.7	41.4	48.9
	Packed unit		kg	18.8	22.4	26.1	31.1	40.0	42.3	49.2	19.9	23.8	27.7	32.9	43.0	44.6	52.6
Casing	Colour			Metal													
	Material			Galvanised steel													
Air filter	Type			Aluminium Frame PP Filter Net G2 Class													
Fan	Type			Centrifugal (Blade: Forward - curve)													
	Quantity			1		2		3		4	1		2		3		4
	Air flow rate	Super high	m^3/h	430	638	910	1,195	1,559	1,753	2,177	416	626	835	1,193	1,548	1,742	2,166
		High	m^3/h	311	518	619	926	1,188	1,413	1,735	302	501	571	905	1,173	1,386	1,729
		Medium	m^3/h	238	385	413	630	851	1,016	1,202	232	371	377	618	846	1,001	1,199
		Low	m^3/h	150	256	284	426	569	688	808	142	256	257	414	569	684	804
Total sound power level	Super high		dBA	51	61	58	62	62	64	65	51	61	58	62	62	64	65
	High		dBA	49	56	50	55	57	58	60	49	56	50	55	57	58	60
	Medium		dBA	37	49	40	48	47	50	50	37	49	40	48	47	50	50
	Low		dBA	31	38	32	39	38	41	40	31	38	32	39	38	41	40
Sound pressure level	Super high		dBA	41	51	48	52	52	54	55	41	51	48	52	52	54	55
	High		dBA	39	46	38	45	47	48	49	39	46	38	45	47	48	49
	Medium		dBA	26	39	28	36	37	40	39	26	39	28	36	37	40	39
	Low		dBA	21	28	22	29	27	31	29	21	28	22	29	27	31	29
Water flow	Cooling	Super high	l/h	254.4	381.6	525.6	768.0	886.2	1,023.0	1,228.8	246.0	374.4	478.2	767.4	879.0	918.0	1,222.8
		High	l/h	212.4	330.6	404.4	668.4	733.2	899.4	1,050.0	206.4	319.8	372.6	652.8	724.2	800.4	1,045.8
		Medium	l/h	190.8	294.0	342.6	558.6	631.2	783.6	870.0	188.4	284.4	312.6	546.6	627.6	705.0	866.4
		Low	l/h	114.6	183.6	208.8	327.0	388.2	496.8	565.2	108.6	183.6	192.6	318.6	388.2	459.0	562.8
	Heating	Super high	l/h	448.8	692.4	898.8	1,216.2	1,562.4	1,757.4	2,085.0	333.6	514.8	657.6	881.4	1,153.2	1,243.2	1,501.2
		High	l/h	369.6	592.2	707.4	1,051.2	1,279.2	1,530.6	1,773.0	280.2	445.2	540.0	763.8	970.2	1,093.8	1,318.2
		Medium	l/h	325.8	518.4	592.8	821.4	969.6	1,172.4	1,520.4	252.6	398.4	460.2	663.6	861.0	974.4	1,156.2
		Low	l/h	192.0	321.6	363.6	530.4	650.4	780.0	995.4	147.6	250.2	289.8	405.6	589.2	664.8	773.4
Piping connections	Drain	OD	mm	R 3/4"													
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230													
Current input	Super high		A	0.21	0.31	0.37	0.53	0.73	0.81	1.03	0.21	0.31	0.37	0.53	0.73	0.81	1.03
	High		A	0.17	0.24	0.26	0.43	0.58	0.65	0.78	0.17	0.24	0.26	0.43	0.58	0.65	0.78
	Medium		A	0.15	0.21	0.22	0.33	0.47	0.52	0.65	0.15	0.21	0.22	0.33	0.47	0.52	0.65
	Low		A	0.13	0.18	0.19	0.27	0.40	0.46	0.54	0.13	0.18	0.19	0.27	0.40	0.46	0.54
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / FWTOUCH / FWEC2T / FWEC4T													

Concealed ceiling unit with medium ESP

BLDC fan motor unit for horizontal concealed mounting. Continuous air flow regulation and fan speed modulation

- Blends unobtrusively with any interior decor: only the suction and discharge grills are visible
- Up to 50% energy savings with brush-less DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- Heat exchanger up to 4 rows
- Available static pressure up to 80Pa at maximum speed



FWP-CT/CF



FWEC10



FWEC3A



FWECSA



FWTOUCH

More details and final information can be found by scanning or clicking the QR codes.

FWP-CT

FWP-CF

Indoor unit	FWP-CT/CF	04			05			06			08			10			11			15			17		
2-pipe																									
Speed		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Declared speed			2,5,7			1,5,7			1,6,7			1,4,7		1,6,7			1,6,7			5,6,7			5,6,7		
Control voltage (E)	V	2.90	8.00	9.00	4.30	7.50	8.40	4.50	7.40	8.30	5.40	8.30	9.90	3.40	7.60	8.50	3.40	7.60	8.50	6.80	7.50	8.30	6.80	7.50	8.30
Rated air flow (E)	m^3/h	109	246	276	171	275	341	195	360	402	305	532	652	333	687	760	333	687	760	1,050	1,163	1,289	1,050	1,163	1,289
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	60
Power input (E)	W	6	25	33	10	24	39	10	26	35	22	51	77	11	54	68	11	54	68	105	128	162	105	128	162
Maximum current absorption	A		0.32			0.60			0.84			0.84			0.91			0.91			3.52			3.52	
Total cooling capacity (1)(E)	kW	0.93	1.76	1.95	1.29	1.95	2.34	1.59	2.74	3.04	1.98	3.26	3.79	2.29	4.34	4.75	2.51	4.91	5.35	6.28	6.81	7.38	7.04	7.64	8.28
Sensible cooling capacity (1)(E)	kW	0.62	1.25	1.39	0.91	1.39	1.66	1.09	1.91	2.11	1.48	2.48	2.92	1.67	3.21	3.51	1.77	3.45	3.76	4.64	5.03	5.46	4.96	5.38	5.84
FCEER class (E)											A										C			B	
Water flow (2)	l/h	161	306	340	222	339	408	274	476	527	343	568	664	394	753	828	432	850	930	1,094	1,190	1,295	1,225	1,332	1,448
Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	-
Heating capacity (3)(E)	kW	0.88	1.21	1.99	1.33	1.98	2.35	1.59	2.80	3.10	2.35	3.71	4.31	2.54	4.76	5.17	2.63	5.03	5.49	6.68	7.22	7.80	7.18	7.80	8.46
FCCOP class (E)											A										B				
Water flow (3)	l/h	153	315	346	231	345	408	276	488	538	408	644	749	441	827	898	457	875	955	1,162	1,256	1,356	1,248	1,355	1,471
Water pressure drop (3)(E)	kPa	1	4	5	2	5	7	2	6	8	4	9	11	2	7	8	3	9	11	12	14	16	17	19	22
Standard coil - number of rows			3			3			4			3			3			4			3			4	
Total sound power level (4)	dB(A)	28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	69
Inlet + radiated sound power level (4)(E)	dB(A)	26	47	50	37	48	52	37	48	52	36	50	56	36	53	56	36	53	56	59	61	67	59	61	67
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	36	47	51	35	49	55	35	52	55	35	52	55	58	60	66	58	60	66
Water content - standard coil	dm^3		1.20			1.20			2.20			1.60			2.50			3.30			2.50			3.30	
Cross-section area of power cables (5)	mm^2		1.00			1.00			1.00			1.00			1.00			1.00			1.50			1.50	
4-pipe																									
Speed		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Declared speed			2,5,7			1,5,7			1,6,7			1,4,7			1,6,7			1,6,7			5,6,7			5,6,7	
Control voltage (E)	V	2.90	7.90	8.90	4.50	7.30	8.90	4.50	7.40	8.30	5.40	8.30	9.90	3.40	7.60	8.50	3.40	7.60	8.50	6.80	7.50	8.30	6.80	7.50	8.30
Rated air flow (E)	m^3/h	109	243	270	170	272	336	195	357	398	302	524	642	333	683	755	333	683	755	1,050	1,163	1,289	1,050	1,163	1,289
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	60
Power input (E)	W	6	25	32	10	23	39	10	26	35	21	50	77	11	54	67	11	54	67	105	128	162	105	128	162
Maximum current absorption	A		0.32			0.60			0.84			0.84			0.91			0.91			3.52			3.52	
Total cooling capacity (1)(E)	kW	0.93	1.74	1.91	1.28	1.93	2.31	1.59	2.72	3.01	1.95	3.22	3.75	2.29	4.32	4.72	2.51	4.88	5.32	6.28	6.81	7.38	7.04	7.64	8.28
Sensible cooling capacity (1)(E)	kW	0.62	1.24	1.36	0.90	1.38	1.64	1.09	1.89	2.09	1.47	2.44	2.89	1.67	3.19	3.48	1.77	3.43	3.74	4.64	5.03	5.46	4.96	5.38	5.84
FCEER class (E)			A			A			A			A			A			A			C			B	
Water flow (2)	l/h	161	302	333	221	335	404	274	473	522	339	562	656	394	749	822	432	846	925	1,094	1,190	1,295	1,225	1,332	1,448
Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	26
Heating capacity (3)(E)	kW	1.14	1.93	2.06	1.55	2.07	2.32	2.09	3.09	3.29	2.80	3.82	4.24	3.40	5.17	5.45	3.40	5.17	5.45	6.42	6.73	7.06	6.42	6.73	7.06
FCCOP class (E)			A			A			A			A			A			A			C			C	
Water flow (3)	l/h	100	169	180	136	181	204	183	271	288	245	334	371	297	452	477	297	452	477	562	589	618	562	589	618
Water pressure drop (3)(E)	kPa	1	2	3	2	3	3	2	3	4	3	5	6	6	13	14	6	13	14	19	21	22	19	21	22
Total sound power level (4)		28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	69
Standard coil - number of rows	dB(A)		3+1			3+1			4+1			3+1			3+1			4+1			3+1			4+1	
Inlet + radiated sound power level (4)(E)	dB(A)	26	47	50	37	48	52	37	48	52	36	50	56	36	53	56	36	53	56	59	61	67	59	61	67
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	36	47	51	35	49	55	35	52	55	35	52	55	58	60	66	58	60	66
Water content - standard coil	dm^3		0.47			0.47			0.59			0.59			0.97			0.97			0.97			0.97	
Cross-section area of power cables (5)	mm^2		1.00			1.00			1.00			1.00			1.00			1.00			1.50			1.50	
Power supply cable type											N07V-K														
Safety fuse F	A		1			1			1			1			1			1			2			2	
Fuses type											gG														
Power supply Phase/Frequency	Hz										1~/50														
Control systems Wired remote control											FWEC3A / FWECSA / FWTOUCH / FWEC10														

(1) Water temperature 7°C / 12°C, air temperature dry bulb 27°C, wet bulb 19°C (47% relative humidity) according to EN1397:2015 | (2) Water temperature 7°C / 12°C, air temperature dry bulb 27°C, wet bulb 19°C (47% relative humidity) | (3) Water temperature 45°C / 40°C, air temperature 20°C | (4) Sound power measured according to standards ISO 3741 and ISO 3742 | (5) Sound pressure measured at a distance of 4 m in a free field with a directivity factor of 1 | (E) EUROVENT certified data

Concealed ceiling unit with medium ESP

AC fan motor unit for horizontal concealed mounting

- Compact dimensions, can easily be mounted in a narrow ceiling void
- Heat exchanger up to 4 rows
- Drain pan to collect the condensate from: heat exchanger and regulating valves -reversible water connections
- The air filter can easily be removed for cleaning
- Available static pressure up to 80Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.

FWB-CT FWB-CF

Indoor unit	FWB-CT/CF	04			05			06			08			10			11			15			17		
2-pipe																									
Speed		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Declared speed			2,5,7			1,5,7			1,6,7			1,4,7			1,6,7			1,6,7			5,6,7			5,6,7	
Rated air flow (E)	m^3/h	109	246	276	171	275	341	195	360	402	305	532	652	333	687	760	333	687	760	1,050	1,163	1,289	1,050	1,163	1,289
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	60
Power input (E)	W	24	57	82	34	69	106	34	85	106	76	143	192	76	167	192	76	167	192	235	280	332	235	280	332
Maximum current absorption	A		0.40			0.56			0.56			1.10			1.10			1.10			2.10			2.10	
Total cooling capacity (1)(E)	kW	0.92	1.72	1.90	1.27	1.90	2.27	1.57	2.69	2.96	1.92	3.17	3.68	2.22	4.22	4.63	2.44	4.79	5.23	6.15	6.66	7.21	6.91	7.49	8.12
Sensible cooling capacity (1)(E)	kW	0.61	1.21	1.34	0.89	1.34	1.59	1.07	1.86	2.03	1.42	2.39	2.81	1.60	3.09	3.39	1.70	3.33	3.64	4.51	4.88	5.29	4.83	5.23	5.67
FCEER class (E)						D						E						D							
Water flow (1)	l/h	160	306	340	222	339	408	274	476	527	343	568	664	394	753	828	432	850	930	1,095	1,191	1,295	1,225	1,333	1,448
Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	26
Heating capacity (3)(E)	kW	0.88	1.81	1.99	1.33	1.98	2.35	1.59	2.80	3.10	2.35	3.71	4.31	2.54	4.76	5.17	2.63	5.03	5.49	6.68	7.22	7.80	7.18	7.80	8.46
FCCOP class (E)												D													
Water flow (3)	l/h	153	315	346	231	345	408	276	488	538	408	644	749	442	827	898	457	875	955	1,162	1,256	1,357	1,248	1,356	1,472
Water pressure drop (3)(E)	kPa	1	4	5	2	5	7	2	6	8	4	9	11	2	7	8	3	9	11	12	14	16	17	20	23
Standard coil - number of rows			3			3			4			3			3			4			3			4	
Total sound power level (4)	dB(A)	28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	69
Inlet + radiated sound power level (4)(E)	dB(A)	26	47	50	37	48	52	37	48	52	37	50	58	36	53	56	36	53	56	59	61	67	59	61	67
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	36	47	51	35	47	56	35	52	55	35	52	55	58	60	66	58	60	66
Water content - standard coil	dm^3		1.20			1.20			1.60			1.60			2.50			3.30			2.50			3.30	
Power supply cable type												N07V-K													
Cross-section area of power cables (5)	mm^2		1.00			1.00			1.00			1.50			1.50			1.50			1.50			1.50	
Safety fuse F	A		1			1			1			2			2			2			2			2	
Fuses type												gG													
Power supply Phase/Frequency	Hz											1~/50													
Control systems Wired remote control												FWEC1A / FWEC2A / FWEC3A / FWECSA / FWTOUCH / FWEC2T / FWEC4T													
4-pipe																									
Speed		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Declared speed			2,5,7			1,5,7			1,6,7			1,4,7			1,6,7			1,6,7			5,6,7			5,6,7	
Rated air flow (E)	m^3/h	109	243	270	170	272	336	195	357	398	302	524	642	333	683	755	333	683	755	1,050	1,163	1,289	1,050	1,163	1,289
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	60
Power input (E)	W	24	57	82	34	69	106	34	85	106	76	143	192	76	167	192	76	167	192	235	280	332	235	280	332
Maximum current absorption	A		0.40			0.56			0.56			1.10			1.10			1.10			2.10			2.10	
Total cooling capacity (1)(E)	kW	0.92	1.70	1.86	1.26	1.88	2.24	1.57	2.67	2.93	1.89	3.13	3.64	2.22	4.20	4.60	2.44	4.76	5.20	6.15	6.66	7.21	6.91	7.49	8.12
Sensible cooling capacity (1)(E)	kW	0.61	1.20	1.31	0.88	1.33	1.57	1.07	1.84	2.01	1.41	2.35	2.78	1.60	3.07	3.36	1.70	3.31	3.62	4.51	4.88	5.29	4.83	5.23	5.67
FCEER class (E)						D						E						D							
Water flow (1)	l/h	160	302	333	221	335	404	274	473	522	339	562	656	394	749	822	432	846	925	1,095	1,191	1,295	1,225	1,333	1,448
Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	26
Heating capacity (3)(E)	kW	1.14	1.93	2.06	1.55	2.07	2.32	2.09	3.09	3.29	2.80	3.82	4.24	3.40	5.17	5.45	3.40	5.17	5.45	6.42	6.73	7.06	6.42	6.73	7.06
FCCOP class (E)			C			D			C			D						D							
Water flow (3)	l/h	100	169	180	136	181	204	183	271	288	245	334	371	297	452	477	297	452	477	562	590	618	562	590	618
Water pressure drop (3)(E)	kPa	1	2	3	2	3	3	2	3	4	3	5	6	6	13	14	6	13	14	19	21	22	19	21	22
Total sound power level		28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	69
Additional coil - number of rows (4)	dB(A)											1													
Inlet + radiated sound power level (4)(E)	dB(A)	26	47	50	37	48	52	37	48	52	36	50	56	36	53	56	36	53	56	59	61	67	59	61	67
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	37	48	51	35	49	55	35	52	55	35	52	55	58	60	66	58	60	66
Water content - standard coil	dm^3		0.47						0.59						0.97										

(1) Water temperature 7°C / 12°C, air temperature dry bulb 27°C, wet bulb 19°C (47% relative humidity) according to EN1397:2015 | (2) Water temperature 7°C / 12°C, air temperature dry bulb 27°C, wet bulb 19°C (47% relative humidity) | (3) Water temperature 65°C / 55°C, air temperature 20°C | (4) Sound power measured according to standards ISO 3741 and ISO 3742 | (5) Sound pressure measured at a distance of 4 m in a free field with a directivity factor of 1 | (E) EUROVENT certified data

Concealed ceiling unit with high ESP

BLDC fan motor unit for horizontal or vertical mounting. Continuous air flow regulation and fan speed modulation

- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- The air filter can easily be removed for cleaning
- Straight duct connector mounted to discharge side
- Available static pressure up to 120Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.

FWN-AT FWN-AF

Indoor unit			FWN-AT/AF	04	05	06	07	08	10	04	05	06	07	08	10
				2-pipe						4-pipe					
Cooling capacity (standard conditions)	Total capacity	High	kW	3.80	4.65	6.01	6.65	7.57	8.49	3.76	4.61	5.91	6.55	7.46	8.35
		Medium	kW	3.47	4.20	5.65	6.25	6.84	7.62	3.44	4.17	5.58	6.17	6.75	7.52
		Low	kW	2.83	3.38	5.22	5.78	6.20	6.84	2.82	3.36	5.17	5.71	6.14	6.77
	Sensible capacity	High	kW	2.98	3.56	4.47	5.04	6.29	6.83	2.95	3.53	4.39	4.97	6.19	6.71
		Medium	kW	2.70	3.19	4.20	4.73	5.60	6.07	2.68	3.17	4.15	4.66	5.52	5.98
		Low	kW	2.19	2.54	3.90	4.35	5.01	5.40	2.18	2.52	3.84	4.30	4.96	5.34
Heating capacity (standard conditions)		High	kW	4.05	4.83	6.42	7.26	7.88	8.93	3.91	3.89	5.72	5.65	7.99	7.94
		Medium	kW	3.69	4.36	6.03	6.80	7.11	8.04	3.68	3.66	5.51	5.45	7.47	7.44
		Low	kW	3.04	3.55	5.59	6.29	6.47	7.28	3.23		5.25	5.21	7.02	6.99
Power input	High		kW	0.112		0.152		0.248		0.112		0.152		0.248	
	Medium		kW	0.07		0.13		0.17		0.73		0.13		0.17	
	Low		kW	0.04		0.10		0.12		0.45	0.40	0.10		0.12	
FCEER				C	B	C					B	C			
FCCOP				B	A	B		C		B		C			
Dimensions	Unit	HeightxWidthxLength	mm	559x754x280		559x964x280		559x1,170x280		559x754x280		559x964x280		559x1,170x280	
Weight	Unit		kg	32.5	33.3	40.6	41.7	47.3	48.7	34.7	35.5	43.2	44.4	50.3	51.7
Air filter	Type			Acrylic - Filtering class EU2											
Fan	Type			Centrifugal											
	Quantity			1		2				1		2			
	Air flow rate	High	m^3/h	802	791	1,238	1,203	1,606	1,581	793	783	1,211	1,182	1,576	1,550
		Medium	m^3/h	700	692	1,134	1,107	1,384	1,371	694	686	1,115	1,088	1,362	1,349
		Low	m^3/h	534	532	1,019	1,000	1,207	1,198	531	529	1,005	985	1,192	1,184
Total sound power level	High		dBA	66.0		69.0		72.0		66.0		69.0		72.0	
	Medium		dBA	61.0		63.0		67.0		61.0		63.0		67.0	
	Low		dBA	54.0		59.0	61.0	62.0		54.0		59.0	61.0	62.0	
Sound pressure level	High		dBA	61.0		64.0		67.0		61.0		64.0		67.0	
	Medium		dBA	56.0		58.0		62.0		56.0		58.0		62.0	
	Low		dBA	49.0		54.0	56.0	57.0		49.0		54.0	56.0	57.0	
Electric heater	Power input (Optional)		kW	2.0		6.0		9.0		2.0		6.0		9.0	
Piping connections	Drain	OD	mm	17											
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230											
Control systems	Wired remote control			FWEC3A / FWECSA / FWTOUCH / FWEC10											

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed ceiling unit with high ESP

AC fan motor unit for horizontal or vertical concealed mounting

› Quick fixing system for wall or ceiling mounted installation
› Straight duct connector mounted to discharge side
› The air filter can easily be removed for cleaning
› Available static pressure up to 180Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.

FWD-AT

FWD-AF

Indoor unit			FWD-AT/AF	04	06	08	10	12	16	18	04	06	08	10	12	16	18
				2-pipe							4-pipe						
Cooling capacity (standard conditions)	Total capacity	High	kW	3.65	5.71	7.33	8.25	11.86	15.92	17.74	3.62	5.60	7.20	8.10	11.66	15.84	17.66
		Medium	kW	3.36	5.39	6.63	7.41	10.12	13.83	15.36	3.33	5.32	6.54	7.31	10.00	13.77	15.29
		Low	kW	2.74	4.99	6.03	6.68	8.42	11.63	12.92	2.73	4.92	5.97	6.61	8.33	11.59	12.87
	Sensible capacity	High	kW	2.83	4.16	6.04	6.58	9.22	12.21	13.49	2.80	4.08	5.94	6.46	9.06	12.14	13.41
		Medium	kW	2.59	3.94	5.39	5.86	7.75	10.43	11.40	2.57	3.89	5.31	5.77	7.66	10.38	11.34
		Low	kW	2.10	3.66	4.84	5.23	6.35	8.61	9.37	2.09	3.60	4.79	5.17	6.29	8.58	9.34
Heating capacity (standard conditions)		High	kW	4.05	6.42	7.88	8.93	12.72	17.29	19.05	3.91	5.72	7.99	7.94	14.43	19.30	19.20
		Medium	kW	3.69	6.03	7.11	8.04	10.84	15.05	16.40	3.68	5.51	7.47	7.44	12.63	17.17	17.03
		Low	kW	3.04	5.59	6.47	7.28	9.06	12.68	13.73	3.23	5.25	7.02	6.99	10.86	14.88	14.79
Power input	High		kW	0.265	0.460	0.505		0.750	1.300		0.265	0.460	0.505		0.750	1.300	
	Medium		kW	0.19	0.39	0.38		0.54	1.09		0.19	0.39	0.38		0.54	1.09	
	Low		kW	0.14	0.35	0.29		0.37	0.87		0.14	0.35	0.29		0.37	0.87	
Dimensions	Unit	HeightxWidthxLength	mm	559x754x 280	559x964x 280	559x1,170x280		718x1,170x 353	718x1,380x353		559x754x 280	559x964x 280	559x1,170x280		718x1,170x 353	718x1,380x353	
Weight	Unit		kg	32.5	40.6	47.3	48.7	65.3	77.0	79.5	34.7	43.2	50.3	51.7	70.9	83.4	85.9
Air filter	Type			Acrylic fiber - Filtering class G2 (G4 on request)													
Fan	Type			Centrifugal													
	Quantity			1	2						1	2					
	Air flow rate	High	m^3/h	802	1,241	1,609	1,584	2,380	3,206	3,175	794	1,212	1,573	1,550	2,328	3,186	3,155
		Medium	m^3/h	700	1,134	1,384	1,371	1,898	2,641	2,604	694	1,115	1,362	1,349	1,871	2,626	2,590
		Low	m^3/h	534	1,021	1,208	1,200	1,485	2,092	2,073	532	1,004	1,194	1,186	1,466	2,084	2,065
Total sound power level	High		dBA	66.0	69.0	72.0		74.0	78.0		66.0	69.0	72.0		74.0	78.0	
	Medium		dBA	61.0	63.0	67.0			73.0		61.0	64.0	67.0			73.0	
	Low		dBA	54.0	59.0	62.0		60.0	69.0		54.0	61.0	62.0		60.0	69.0	
Sound pressure level	High		dBA	61.0	64.0	67.0		69.0	73.0		61.0	64.0	67.0		69.0	73.0	
	Medium		dBA	56.0	58.0	62.0			68.0		56.0	59.0	62.0			68.0	
	Low		dBA	49.0	54.0	57.0		55.0	64.0		49.0	56.0	57.0		55.0	64.0	
Electric heater	Power input (Optional)		kW	2.0	6.0	9.0			12.0		2.0	6.0	9.0			12.0	
Piping connections	Drain	OD	mm	17													
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230													
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / FWTOUCH / FWEC2T / FWEC4T													

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Wall mounted unit

AC fan motor unit for wall mounting

› High aesthetic cabinet design
› Optimum air distribution
› Easy to install
› Wireless remote control up to 9 m distance
› 3-speed fan motor
› Wide operating range
› Low operating sound level thanks to tangential fan
› Insulated with self-extinguishing class 1 heat insulation
› Removable washable air filter (self-extinguishing class 1)



FWT-GT



MERCA



SRC-HPA



WRC-HPC

More details and final information can be found by scanning or clicking the QR codes.

FWT-GT

Indoor unit			FWT-GT	02	03	04	05	06
						2-pipe		
Cooling capacity (standard conditions)	Total capacity	High	kW	2.40	2.67	3.27	4.49	5.21
		Medium	kW	2.20	2.23	2.79	4.02	4.32
		Low	kW	1.94	2.02	2.52	3.76	4.04
	Sensible capacity	High	kW	1.82	1.99	2.60	3.38	4.03
		Medium	kW	1.73	1.69	2.21	3.00	3.52
		Low	kW	1.50	1.49	1.91	2.77	3.22
Heating capacity (standard conditions)		High	kW	2.71	2.96	3.71	5.07	6.23
		Medium	kW	2.41	2.62	3.29	4.51	5.38
		Low	kW	2.06	2.25	2.75	4.03	4.83
Power input	High		kW	0.031	0.032	0.042	0.053	0.072
	Medium		kW	0.03		0.04	0.05	0.07
	Low		kW	0.03			0.04	0.06
FCEER				D			C	D
FCCOP				C				
Dimensions	Unit	HeightxWidthxLength	mm	288x800x206			310x1,070x224	
Weight	Unit		kg	9.00			14.0	
Casing	Colour			White				
Air filter	Type			Washable Saranet				
Fan	Type			Cross flow fan				
	Quantity			1				
	Air flow rate	High	m^3/h	442	476	629	866	1,053
		Medium	m^3/h	391	425	544	765	883
		Low	m^3/h	340	374	442	663	782
Total sound power level	High		dBA	45.0	48.0	55.0		59.0
	Medium		dBA	41.0	44.0	50.0	51.0	54.0
	Low		dBA	36.0	39.0	45.0	47.0	51.0
Sound pressure level	High		dBA	34.0	35.0	42.0		46.0
	Medium		dBA	29.0	30.0	39.0	38.0	42.0
	Low		dBA	25.0		32.0	34.0	39.0
Piping connections	Drain	OD	mm	19				
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240				
Control systems	Infrared remote control			WRC-HPC				
	Wired remote control			MERCA / SRC-HPA				

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue



Options & accessories - Fan coil units: Panels and Controls

INDOOR UNITS		FWC-BT/BF	FWF-BT/BF	FWH-AT/AF	FWI-AT/AF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF	FWL-DAT/DAF
Panels	Decoration panel 600x600		BYFQ60B3	FPAN02A (2 up to 4 class)	FPAN02A (2 up to 4 class)				
	Decoration panel 900x900	BYCQ140C		FPAN06A (6 up to 8 class)	FPAN06A (6 up to 8 class)				
	Panel spacer for reducing required installation height	KDBQ44B60							
	Sealing member of air discharge outlet	KDBHQ55C140	KDBH44BA60						
	Spigot for fresh air			SPFAI1A					
	Air distribution plenum			PPAI02A (2 up to 4 class) PPAI06A (6 up to 8 class)	PPAI02A (2 up to 4 class) PPAI06A (6 up to 8 class)				
	Rear panel					ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)	ERPV02A6 (1, 15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35, 4 & 6 class) ERPV10A6 (8 & 10 class)	ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)	ERPV02A6 (1,15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35, 4 & 6 class) ERPV10A6 (8 & 10 class)
	Air intake & discharge grille					EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)	EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)
Individual control systems & network	Wired remote controller (standard)	BRC315D	BRC315D				FWEC1A		FWEC1A
	Wired remote controller (advanced)						FWEC2A		FWEC2A
	Wired remote controller (advanced Plus)					FWEC3A	FWEC3A	FWEC3A	FWEC3A
	Simplified electronic controller (2 pipe)			FWEC2T	FWEC10	FWEC10	FWEC2T	FWEC10	FWEC2T
	Simplified electronic controller (4 pipe)			FWEC4T	FWEC10	FWEC10	FWEC4T	FWEC10	FWEC4T
	Wired remote controller (heat pump)								
	Wireless controller (heat pump)	BRC7F532F	BRC7F530						
	Controller electromechanical						ECFWMB6		ECFWMB6
	Split controller - power control board					FWECSAP	FWECSAP	FWECSAP	FWECSAP
	Split controller - control panel					FWECSAC	FWECSAC	FWECSAC	FWECSAC
	Split controller - touch screen control panel					FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)
	On-board mounting kit for wired remote controller					FWECKA	FWECKA	FWECKA	FWECKA
	On-board mounting kit for simplified controller					FWCKRX (right side) FWCKLX (left side)	FWCKRX (right side) FWCKLX (left side)	FWCKRX (right side) FWCKLX (left side)	FWCKRX (right side) FWCKLX (left side)
	Wall-mounting kit for wired remote controller					FWFCKA	FWFCKA	FWFCKA	FWFCKA
Centralised control systems	Central remote control	DCS302CA51	DCS302CA51						
	Unified ON/OFF control	DCS301BA51	DCS301BA51						
	Schedule timer	DST301BA51	DST301BA51						
Building Management System & Standard protocol interface	Intelligent Touch Manager	DCM601A5A	DCM601A5A						
	Intelligent Touch Controller	DCS601C51C	DCS601C51C						

1. Decoration panel code includes wireless controller

FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWE-CT/CF	FWP-CT/CF	FWB-CT/CF	FWD-AT/AF	FWN-AT/AF	FWT-GT
EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)							
	FWEC1A	FWEC1A	FWEC1A		FWEC1A	FWEC1A		MERCA
	FWEC2A	FWEC2A	FWEC2A		FWEC2A	FWEC2A		
FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	
FWEC10	FWEC2T	FWEC2T	FWEC2T	FWEC10	FWEC2T	FWEC2T	FWEC10	
FWEC10	FWEC4T	FWEC4T	FWEC4T	FWEC10	FWEC4T	FWEC4T	FWEC10	
								SRC-HPA
								WRC-HPC
	ECFWMB6							
FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	
FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	
FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	
FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	

INDOOR UNITS		FWC-BT/BF	FWF-BT/BF	FWH-AT/AF	FWI-AT/AF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF	FWL-DAT/DAF
ON/OFF valves 230V	3-ways 230V ON/OFF valve kit (2-pipe)	EKMV3C09B	EKMV3C09B	E2C3V02A (2 up to 4 class) E2C3V06A (6 up to 8 class)	E2C3V02A (2 up to 4 class) E2C3V06A (6 up to 8 class)	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)
	3-ways 230V ON/OFF valve kit (4-pipe)	EKMV3C09B x2	EKMV3C09B x2	E4C3V02A (2 up to 4 class) E4C3V06A (6 up to 8 class)	E4C3V02A (2 up to 4 class) E4C3V06A (6 up to 8 class)	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)
	2-ways 230V ON/OFF valve kit (2-pipe)	EKMV2C09B	EKMV2C09B	E2C2V02A (2 up to 4 class) E2C2V06A (6 up to 8 class)	E2C2V02A (2 up to 4 class) E2C2V06A (6 up to 8 class)				
	2-ways 230V ON/OFF valve kit (4-pipe)	EKMV2C09B x2	EKMV2C09B x2	E4C2V02A (2 up to 4 class) E4C2V06A (6 up to 8 class)	E4C2V02A (2 up to 4 class) E4C2V06A (6 up to 8 class)				
	2-ways 230V ON/OFF valve kit (cooling heat exchanger)					E2MV2B07A6 (2, 3 & 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)	E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)
	2-ways 230V ON/OFF valve kit (additional heat exchanger)					E2MV2B07A6	E2MV2B07A6	E2MV2B07A6	E2MV2B07A6
	3-ways 230V ON/OFF valve kit (additional heat exchanger)								
	Simplified 3-ways 230V ON/OFF valve kit (2-pipe)					E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)	E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)
	Simplified 3-ways 230V ON/OFF valve kit (4-pipe)					E4MVD03A6 (2 & 3 class) E4MVD06A6 (6 class) E4MVD10A6 (8 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)
ON/OFF valves 24V	3-ways 24V ON/OFF valve kit (cooling heat exchanger)			E2C324V02A (2 up to 4 class) E2C324V06A (6 up to 8 class)	E2C324V02A (2 up to 4 class) E2C324V06A (6 up to 8 class)	E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)	E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)
	3-ways 24V ON/OFF valve kit (4-pipe)			E4C324V02A (2 up to 4 class) E4C324V06A (6 up to 8 class)	E4C324V02A (2 up to 4 class) E4C324V06A (6 up to 8 class)	E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)	E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)
	2-ways 24V ON/OFF valve kit (cooling heat exchanger)			E2C224V02A (2 up to 4 class) E2C224V06A (6 up to 8 class)	E2C224V02A (2 up to 4 class) E2C224V06A (6 up to 8 class)	E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 6 class) E2M2V210A6 (8 & 10 class)	E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)
	2-ways 24V ON/OFF valve kit (additional heat exchanger)			E4C224V02A (2 up to 4 class) E4C224V06A (6 up to 8 class)	E4C224V02A (2 up to 4 class) E4C224V06A (6 up to 8 class)	E2M2V207A6	E2M2V207A6	E2M2V207A6	E2M2V207A6
	2-ways 24V ON/OFF valve kit (4-pipe)								

FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWE-CT/CF	FWP-CT/CF	FWB-CT/CF	FWD-AT/AF	FWN-AT/AF	FWT-GT
E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)	E3V2VN02V3WA	EK2MV3B10C5	E4V2N05OV3WA (4 & 5 class) E4V2N08OV3WA (6 & 8 class) E2MV10B6 (10 up to 17 class)	E4V2N05OV3WA (4 & 5 class) E4V2N08OV3WA (6 & 8 class) E2MV10B6 (10 up to 17 class)	ED2MV04A6 (4 class) ED2MV10A6 (6, 8 & 10 class) ED2MV12A6 (12 class) ED2MV18A6 (16 & 18 class)	ED2MV04A6 (4 & 5 class) ED2MV10A6 (6 up 10 class)	
E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E3V4VN02V3WA	EK4MV3B10C5	E4V2N05OV3WA + E4VHN08OV3WA (4 up to 5 class) E4V2N08OV3WA + E4VHN08OV3WA (6 up to 8 class) E2MV10B6 + E4VHN17OV3WA (10 up to 17 class)	E4V2N05OV3WA + E4VHN08OV3WA (4 up to 5 class) E4V2N08OV3WA + E4VHN08OV3WA (6 up to 8 class) E2MV10B6 + E4VHN17OV3WA (10 uo to 17 class)	ED4MV04A6 (4 class) ED4MV10A6 (6, 8 & 10 class) ED4MV12A6 x2 (12 class) ED4MV18A6 x2 (16 & 18 class)	ED4MV04A6 (4 & 5 class) ED4MV10A6 (6 up 10 class)	
		E2V2VN01V3WA	EK2MV2B10C5					
		E2V4VN01V3WA	EK4MV2B10C5	E2MV2B07A6 + E2MV2B07A6 (4 up to 8 class) E2MV2B10A6 + E2MV2B07A6 (10 up to 17 class)	E2MV2B07A6 + E2MV2B07A6 (4 up to 8 class) E2MV2B10A6 + E2MV2B07A6 (10 up to 17 class)			
E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)			E2MV2B07A6 (4 up to 8 class) E2MV2B10A6 (10 up to 17 class)	E2MV2B07A6 (4 up to 8 class) E2MV2B10A6 (10 up to 17 class)			
E2MV2B07A6	E2MV2B07A6			E2MV2B07A6	E2MV2B07A6			
				E4VHN08OV3WA (4 up to 8 class) E4VHN17OV3WA (10 up to 17 class)	E4VHN08OV3WA (4 up to 8 class) E4VHN17OV3WA (10 uo to 17 class)			
E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)							
E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)							
E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)			E4V2N05O24WA (4 & 5 class) E4V2N08O24WA (6 & 8 class) E4V2N17O24WA (10 up to 17 class)	E4V2N05O24WA (4 & 5 class) E4V2N08O24WA (6 & 8 class) E4V2N17O24WA (10 up to 17 class)			
E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)							
E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)			E2M2V207A6 (4 up to 8 class) E2M2V210A6 (10 up to 17 class)	E2M2V207A6 (4 up to 8 class) E2M2V210A6 (10 up to 17 class)			
E2M2V207A6	E2M2V207A6			E2M2V207A6	E2M2V207A6			
				E2M2V207A6 + E2M2V207A6 (4 up to 8 class) E2M2V210A6 + E2M2V207A6 (10 up to 17 class)	E2M2V207A6 + E2M2V207A6 (4 up to 8 class) E2M2V210A6 + E2M2V207A6 (10 up to 17 class)			

INDOOR UNITS		FWC-BT/BF	FWF-BT/BF	FWH-AT/AF	FWI-AT/AF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF	FWL-DAT/DAF
Proportional valves	3-ways proportional valve kit (2-pipe)			E2C3PV02A (2 up to 4 class) E2C3PV06A (6 up to 8 class)	E2C3PV02A (2 up to 4 class) E2C3PV06A (6 up to 8 class)	E2MPV03A6 (2 & 3 class) E2MPV06A6 (6 class) E2MPV10A6 (8 class)	E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)	E2MPV03A6 (2 & 3 class) E2MPV06A6 (6 class) E2MPV10A6 (8 class)	E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)
	3-ways proportional valve kit (additional heat exchanger)			E4C3PV02A (2 up to 4 class) E4C3PV06A (6 up to 8 class)	E4C3PV02A (2 up to 4 class) E4C3PV06A (6 up to 8 class)				
	3-ways proportional valve kit (4-pipe)					E4MPV03A6 (2 & 3 class) E4MPV06A6 (6 class) E4MPV10A6 (8 class)	E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)	E4MPV03A6 (2 & 3 class) E4MPV06A6 (6 class) E4MPV10A6 (8 class)	E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)
	2-ways proportional valve kit (cooling heat exchanger)			E2C2PV02A (2 up to 4 class) E2C2PV06A (6 up to 8 class)	E2C2PV02A (2 up to 4 class) E2C2PV06A (6 up to 8 class)	E2MPV207A6 (2, 3 & 6 class) E2MPV210A6 (8 class)	E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)	E2MPV207A6 (2, 3 & 6 class) E2MPV210A6 (8 class)	E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)
	2-ways proportional valve kit (additional heat exchanger)			E4C2PV02A (2 up to 4 class) E4C2PV06A (6 up to 8 class)	E4C2PV02A (2 up to 4 class) E4C2PV06A (6 up to 8 class)	E2MPV207A6	E2MPV207A6	E2MPV207A6	E2MPV207A6
	2-ways proportional valve kit (4-pipe)								
Pressure independent controlled valves	Pressure independent controlled valves ON-OFF 230V (2-pipe)			E2C2PICV02A (2 up to 4 class) E2C2PICV06A (6 up to 8 class)	E2C2PICV02A (2 up to 4 class) E2C2PICV06A (6 up to 8 class)				
	Pressure independent controlled valves ON-OFF 230V (4-pipe)			E4C2PICV02A (2 up to 4 class) E4C2PICV06A (6 up to 8 class)	E4C2PICV02A (2 up to 4 class) E4C2PICV06A (6 up to 8 class)				
	Pressure independent controlled valves modulating 24V (2-pipe)			E2C2PRPICV02A (2 up to 4 class) E2C2PRPICV06A (6 up to 8 class)	E2C2PRPICV02A (2 up to 4 class) E2C2PRPICV06A (6 up to 8 class)				
	Pressure independent controlled valves modulating 24V (4-pipe)			E4C2PRPICV02A (2 up to 4 class) E4C2PRPICV06A (6 up to 8 class)	E4C2PRPICV02A (2 up to 4 class) E4C2PRPICV06A (6 up to 8 class)				
Adapters	Installation box/ Mounting plate for adapter PCBs (when there is no space in the switchbox)	KRP1H98A	KRP1BB101						
	Wiring adapter for electrical appendices	KRP2A52 (2) KRP4AA53 (2)	KRP2A52 (2) KRP4AA53 (2)						
	Remote ON/OFF		EKROROA						
	Remote sensor	KRCS01-4	KRCS01-1						
	Optional PCB for MODBUS connection	EKFCMBCB	EKFCMBCB						
	Wiring adapter with 4 output signals for valve control PCB	EKRP1C11	EKRP1C11						
	Temperature sensor kit					FWTSKA	FWTSKA	FWTSKA	FWTSKA
	Relative humidity sensor kit					FWHSKA	FWHSKA	FWHSKA	FWHSKA
	Water temperature sensor for simplified controller			FWCSWA	FWCSWA	FWCSWA	FWCSWA	FWCSWA	FWCSWA
	Fan stop thermostat						YFSTA6		YFSTA6
	Master-slave interface						EPIMSA6		EPIMSA6
	Power interface								

FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWE-CT/CF	FWP-CT/CF	FWB-CT/CF	FWD-AT/AF	FWN-AT/AF	FWT-GT
E2MPV03A6 (2 & 3 class) E2MPV06A6 (6 class) E2MPV10A6 (8 class)	E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)	E4V2PN04V3DA (3 up to 5 class) E4V2PN06V3DA (6 up to 8 class) E4V2PN10V3DA (10 & 11 class)		E4V2N05P24WA (4 & 5 class) E4V2N08P24WA (6 & 8 class) E2MPV10A6 (10 up to 17 class)	E4V2N05P24WA (4 & 5 class) E4V2N08P24WA (6 & 8 class) E2MPV10A6 (10 up to 17 class)			
				E4VHN08P24WA (4 up to 8 class) E4VHN17P24WA (10 up to 17 class)	E4VHN08P24WA (4 up to 8 class) E4VHN17P24WA (10 up to 17 class)			
E4MPV03A6 (2 & 3 class) E4MPV06A6 (6 class) E4MPV10A6 (8 class)	E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)	E4V4PN04V3DA (3 up to 5 class) E4V4PN06V3DA (6 up to 8 class) E4V4PN10V3DA (10 & 11 class)		E4V2N05P24WA + E4VHN08P24WA (4 & 5 class) E4V2N08P24WA + E4VHN08P24WA (6 & 8 class) E2MPV10A6 + E4VHN17P24WA (10 up to 17 class)	E4V2N05P24WA + E4VHN08P24WA (4 & 5 class) E4V2N08P24WA + E4VHN08P24WA (6 & 8 class) E2MPV10A6 + E4VHN17P24WA (10 up to 17 class)			
E2MPV207A6 (2, 3 & 6 class) E2MPV210A6 (8 class)	E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)			E2MPV207A6 (4 up to 8 class) E2MPV210A6 (10 up to 17 class)	E2MPV207A6 (4 up to 8 class) E2MPV210A6 (10 up to 17 class)			
E2MPV207A6	E2MPV207A6			E2MPV207A6	E2MPV207A6			
				E2MPV207A6 + E2MPV207A6 (4 up to 8 class) E2MPV210A6 + E2MPV207A6 (10 up to 17 class)	E2MPV207A6 + E2MPV207A6 (4 up to 8 class) E2MPV210A6 + E2MPV207A6 (10 up to 17 class)			
				FWBPVPIC2V15 (4 & 6 class) FWBPVPIC2V20 (8 & 10 class) FWBPVPIC2V25 (11 up to 17 class)	FWBPVPIC2V15 (4 & 6 class) FWBPVPIC2V20 (8 & 10 class) FWBPVPIC2V25 (11 up to 17 class)			
				FWBPVPIC2V1515LF (4 & 5 class) FWBPVPIC2V1515 (6 class) FWBPVPIC2V2015 (8 & 10 class) FWBPVPIC2V2515 (11 up to 17 class)	FWBPVPIC2V1515LF (4 & 5 class) FWBPVPIC2V1515 (6 class) FWBPVPIC2V2015 (8 & 10 class) FWBPVPIC2V2515 (11 up to 17 class)			
FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	
FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	
FWCSWA	FWCSWA	FWCSWA	FWCSWA	FWCSWA	FWCSWA	FWCSWA	FWCSWA	
	YFSTA6				YFSTA6	YFSTA6		
	EPIMSA6	EPIMSA6	EPIMSA6		EPIMSA6	EPIMSA6		
						EPIB6 (only 16 & 18 class)		

Options & accessories - Fan coil units: Others

INDOOR UNITS		FWC-BT/BF	FWF-BT/BF	FWH-AT/AF	FWI-AT/AF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF	FWL-DAT/DAF
Others	Fresh air intake kit (direct installation type)		KDDQ44XA60						
	Fresh air intake					EFA02A6 (2 class) EFA03A6 (3 class) EFA06A6 (6 class) EFA10A6 (8 class)	EFA02A6 (1, 15 & 2 class) EFA03A6 (25 & 3 class) EFA06A6 (35, 4 & 6 class) EFA10A6 (8 & 10 class)		
	Electrical box with earth terminal (2 blocks)	KJB212A	KJB212A						
	Electrical box with earth terminal (3 blocks)	KJB311A	KJB311A						
	Eletrical box with earth terminal	KJB411A	KJB411A						
	Electric heater (standard)					EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)	EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)
	Electric heater (big)								
	Additional heat exchanger					ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)	ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)
	Supporting feet					ESFV06A6 (2, 3 & 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)	ESFV06A6 (2, 3 and 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)
	Supporting feet and grille					ESFVG02A6 (2 class) ESFVG03A6 (3 class) ESFVG06A6 (6 class) ESFVG10A6 (8 class)	ESFVG02A6 (1, 15 & 2 class) ESFVG03A6 (25 & 3 class) ESFVG06A6 (35, 4 & 6 class) ESFVG10A6 (8 & 10 class)		
	Plenum box with rectangular connections								
	Plenum box with circular connections								
	Plenum box (not insulated insulated) with circular connections (supply side)								
	Plenum box (insulated) with circular connections (supply side)								
	Plenum box (insulated) with circular connections (intake side)								
	Cover box for electric connections								
	G4 Filter								
	Vertical auxiliary drain pan					EDPVB6	EDPVB6	EDPVB6	EDPVB6
	Horizontal auxiliary drain pan					EDPHB6	EDPHB6	EDPHB6	EDPHB6
	Drain pump	included	included			CDRP1A	CDRP1A	CDRP1A (only vertical installation)	CDRP1A (only vertical installation)
	Vertical installation kit (Wall Mounted)								

FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWE-CT/CF	FWP-CT/CF	FWB-CT/CF	FWD-AT/AF	FWN-AT/AF	FWT-GT
						EDMFA04A6 (4 class) EDMFA06A6 (6 class) EDMFA10A6 (8 & 10 class) EDMFA12A6 (12 class) EDMFA18A6 (16 & 18 class)	EDMFA04A6 (4 & 5 class) EDMFA06A6 (6 & 7 class) EDMFA10A6 (8 & 10 class)	
EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)			EH060V3A (4 & 5 class) EH100V36A (6 & 8 class) EH200V36A (10 up to 17 class)	EH060V3A (4 & 5 class) EH100V36A (6 & 8 class) EH200V36A (10 up to 17 class)	EDEH04A6 (4 class) EDEHS06B6 (6 class) EDEHS10B6 (8 & 10 class) EDEHS12B6 (12 class) EDEHS18B6 (16 & 18 class)	EDEH04A6 (4 & 5 class) EDEHS06B6 (6 & 7 class) EDEHS10B6 (8 & 10 class)	
						EDEH04A6 (4 class) EDEHB06A6 (6 class) EDEHB10A6 (8 & 10 class) EDEHB12A6 (12 class) EDEHB18A6 (16 & 18 class)	EDEH04A6 (4 & 5 class) EDEHB06A6 (6 & 7 class) EDEHB10A6 (8 & 10 class)	
ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)			EAHD04A (4 & 5 class) EAHD06A (6 & 8 class) EAHD10A (10 up to 17 class)	EAHD04A (4 & 5 class) EAHD06A (6 & 8 class) EAHD10A (10 up to 17 class)			
ESFV06A6 (2, 3 & 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)	ESFH01D5 (installation leg for vertical application)						
						PRD04A6 (4 class) PRD06A6 (6 class) PRD08A6 (8 & 10 class) PRD12A6 (12 class) PRD16A6 (16 & 18 class)	PRD04A6 (4 & 5 class) PRD06A6 (6 & 7 class) PRD08A6 (8 & 10 class)	
						PCIC04A6 (4 class) PCIC06A6 (6 class) PCIC08A6 (8 & 10 class) PCIC12A6 (12 class) PCIC16A6 (16 & 18 class)	PCIC04A6 (4 & 5 class) PCIC06A6 (6 & 7 class) PCIC08A6 (8 & 10 class)	
				PLT1NAA (4 & 5 class) PLT2NAA (6 & 8 class) PLT3NAA (10 up to 17 class)	PLT1NAA (4 & 5 class) PLT2NAA (6 & 8 class) PLT3NAA (10 up to 17 class)			
EPCC02A6 (2 class) EPCC03A6 (3 class) EPCC06A6 (6 class) EPCC10A6 (8 class)	EPCC02A6 (1,15 & 2 class) EPCC03A6 (25 & 3 class) EPCC06A6 (35, 4 & 6 class) EPCC10A6 (8 & 10 class)			PLT1CAA (4 & 5 class) PLT2CAA (6 & 8 class) PLT3CAA (10 up to 17 class)	PLT1CAA (4 & 5 class) PLT2CAA (6 & 8 class) PLT3CAA (10 up to 17 class)			
EICC02A6 (2 class) EICC03A6 (3 class) EICC06A6 (6 class) EICC10A6 (8 class)	EICC02A6 (1,15 & 2 class) EICC03A6 (25 & 3 class) EICC06A6 (35, 4 & 6 class) EICC10A6 (8 & 10 class)							
				FWBOX	FWBOX			
				FG4T1AA (4 & 5 class) FG4T2AA (6 & 8 class) FG4T3AA (10 up to 17 class)	FG4T1AA (4 & 5 class) FG4T2AA (6 & 8 class) FG4T3AA (10 up to 17 class)	FSDG404A (4 class) FSDG406A (6 class) FSDG408A (8 & 10 class) FSDG412A (12 class) FSDG416A (16 & 18 class)	FSDG404A (4 & 5 class) FSDG406A (6 & 7 class) FSDG408A (8 & 10 class)	
EDPVB6	EDPVB6	ESFD01D6				EDDPV10A6 (4, 6, 8, 10 class) EDDPV18A6 (12, 16 & 18 class)	EDDPV10A6	
EDPHB6	EDPHB6			EDPD7 (4 up to 8 class) EDPD9 (10 up to 17 class)	EDPD7 (4 up to 8 class) EDPD9 (10 up to 17 class)	EDDPH10A6 (4, 6, 8, 10 class) EDDPH18A6 (12, 16 & 18 class)	EDDPH10A6	
CDRP1A	CDRP1A			CDRP1A	CDRP1A	CDRP1A	CDRP1A	
		ESFH02D5						



Air handling units

Why choose Daikin air handling units? 762

Products overview 766

Software and Eurovent certification 767

The working principle at a glance 768

Professional and Digital Controls 770

Modular R 772

Modular P 773

Modular L 774

NEW Modular T 775

Daikin fresh air package 776

Daikin air handling units



Why choose Daikin air handling units?

› Maximum energy efficiency and indoor air quality
› Wide range of functions and options
› **High quality** components
› **Innovative** technology: Unique features and state of the art technology for short payback
› Operation **efficiency** and **energy savings**
› Outstanding **reliability** and **performance**
› Various applications are possible including air conditioning applications, industry-type process cooling, and large-scale district heat source systems
› Plug and play concept for easy installation and commissioning
› Unique Daikin fresh air package available for connection of AHU to VRV or ERQ

Certifications

› Eurovent certified performances
› Exceeding 2018 ErP – ECODESIGN requirements
› Certified according to the Hygiene Directive VDI 6022 (Modular L and Professional ranges)
› Certified according to the Hygiene Directive DIN 1946 (Professional range)
› RLT certified performances

The unique quality of Daikin AHU is accomplished by:

Panels
› The outer panel is Pre-painted with Corrosion Class RC5
› The inner panel is made of Aluzinc with Corrosion Class RC4

Gasket
› Liquid gasket technology drastically reduces unit air leakage

Frame
› All anodized aluminium which has the highest corrosion resistance compared to natural aluminium
› Unique Daikin thermal break (35 mm or 27 mm thermal break). Polyamide bars design to enhance thermal break unit performances
› Distinctive Section to section thermal break profile to ensure thermal break design on the whole unit
› Rounded profile for increased ease of cleaning

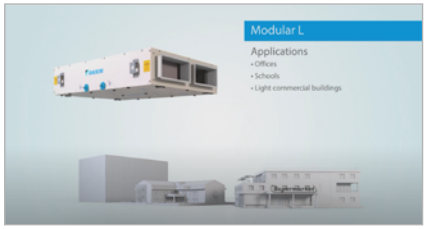
IAQ
› Flush internal surface and rounded corner flush surface to avoid the retention of dirt and to be easily cleanable
› Wide filtration possibility to reduce pollution

Plug & Play Controls
› Pre-commissioned and Factory-tested control for quicker on site commissioning
› Sole manufacturer to provide a complete AHU DX solution from a single manufacturer available for connection of AHU to VRV or ERQ (everything factory-mounted)

Marketing tools

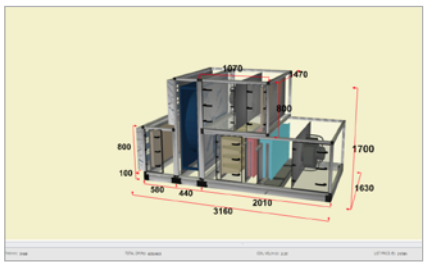
› Watch the time-lapse video of a Daikin AHU construction on www.youtube.com/daikineurope

› Watch the Modular L promotional video on www.youtube.com/daikineurope



› Download our brochure on air handling units from my.daikin.eu

› Get the access to the selection tool http://tools.daikinapplied.eu to select your air handling units in a few clicks.



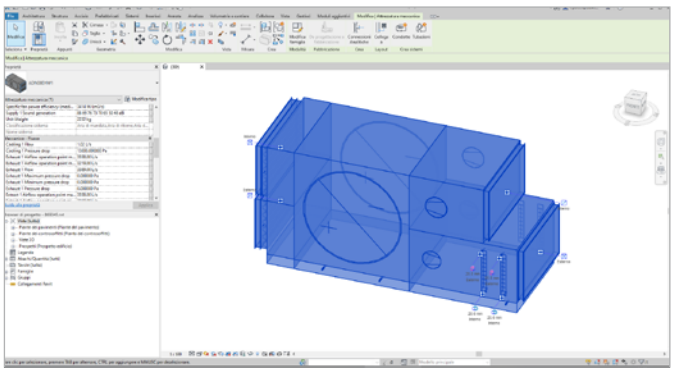
› Download the Modular L "Daikin Air Design" App on the App stores for iOS and Android

Available on the App Store | GET IT ON Google Play

› Consult the "Argue Card" document to support in promoting the Modular L range *(available on request – refer to your Daikin AHU specialist)*

BIM models

› Get the Modular L and T BIM models on bim.daikin.eu
› Get the BIM tool plugin for Revit for Professional and Modular R/P series





Benefits for the installer

Plug and play design
› Pre-programmed and factory-tested controls for an easier and fast commissioning
› Low voltage fast connectors between AHU sections
› Flush mounted or external electrical control panel

Daikin Fresh air package
› Plug & Play connection of Professional or Modular AHU to Daikin VRV and ERQ
› Factory-mounted package contains expansion valves, electronic interface and sensors

Benefits for the consultant

Quick selection tool
› In-house developed web software with improved user interface and preset parameters ensure that you can always find the optimum and most energy efficient product for your application
› Extremely flexible design
› Infinite variable sizes (increments of 1 cm)

BIM models
› Regardless if your AHU is standard or fully customized, BIM models are available and can be downloaded with just a few clicks

Benefits for the end user

Customized or standard
› Amazing tailor-made capability to meet the specific customer needs with the Professional range or fast availability thanks to the "make to stock" standard Modular L and T range

Efficient control logic
› Open communication protocols (BACnet and Modbus) that guarantee BMS, and iTM compatibility
› Energy efficient controls with reduced energy and operating cost
› Highest efficiency ensure savings on energy consumption costs





SMART CONTROLS



DAMPER AND EC FAN



HEAT RECOVERY
WHEEL AND FILTER



D-AHU MODULAR R INSTALLATION





COMFORTABLE INDOOR CLIMATE

Products overview

Centralized ventilation

D-AHU Professional

› Infinite variable sizes
› Tailored to the individual customer



750 m³/h
up to 144,000 m³/h

D-AHU Modular R

› Pre-configured sizes
› Plug and play concept
› EC Fan technology
› Heat recovery wheel
(sorption and sensible technology)
› Compact design



500 m³/h
up to 25,000 m³/h

D-AHU Modular P

› Pre-configured sizes
› Plug and play concept
› EC Fan technology
› High efficiency aluminium
counter flow PHE
› Compact design



500 m³/h
up to 25,000 m³/h

Eurovent certification

Daikin Applied Europe S.p.A. participates in the Eurovent Certified Performance programme for Air Handling Units. Check ongoing validity of certificate: www.eurovent-certification.com or www.certiflash.com

Result Energy TermiC° S2&F2		Eurovent Classification according to EN1886				
D1	Casing strength class	D1	D2	D3		
	Max. relative deflection mm x m^{-1}	4.00	10.00	Exceeding10		
L1	Casing air leakage class at -400 Pa	L1	L2	L3		
	Max. leakage rate (f_{400}) l x s^{-1} x m^{-2}	0.15	0.44	1.32		
L1	Casing air leakage lass at +700 Pa	L1	L2	L3		
	Max. leakage rate (f_{700}) l x s^{-1} x m^{-2}	0.22	0.63	1.90		
ePM_1 80% (F9)	Filter bypass leakage class	ePM_1 80% (F9)	ePM_1 70% (F8)	ePM_1 50% (F7)	$ePM_{2.5}$ 50% (M6)	ISO Coarse
	Max. filter bypass leakage rate k in % of the volume flow rate	0.50	1	2	4	6
T2	Thermal transmittance	T1	T2	T3	T4	T5
	(U) W x m^{-2} x K^{-1}	U <= 0.5	0.5 < U <= 1	1 < U <= 1.4	1.4 < U <= 2	No requirements
TB2	Thermal bridging factor	TB1	TB2	TB3	TB4	TB5
	(kb)	0.75 < K_b <= 1	0.6 < K_b <= 0.75	0.45 < K_b <= 0.6	0.3 < K_b <= 0.45	No requirements

Decentralized ventilation

Modular L

- Pre-configured sizes
- Plug and play concept
- EC Fan technology
- High efficiency aluminium counter flow PHE
- Low height unit
- For false ceiling applications



150 m^3/h
up to 3,400 m^3/h

Modular T

- Pre-configured sizes
- Plug and play concept
- EC Fan technology
- Small footprint
- Compact design
- High efficiency aluminium counter flow PHE
- Top connected unit



200 m^3/h
up to 4,200 m^3/h

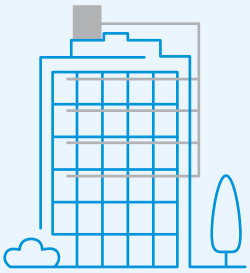
Centralized ventilation



Professional



Modular R & P



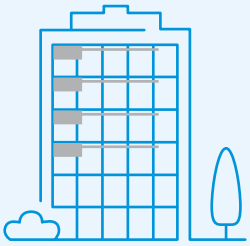
Decentralized ventilation



Modular T



Modular L



Selection software

ASTRA Web

- Quick AHU selection that will save you precious time, drastically reducing selection time through the new software interface.
- Very competitive solution available within the Wizard thanks to pre-uploaded parameters.
- High selection quality, thanks to the intelligence embedded within the software core.

Quickly select your air handling unit by following the wizard:

1. Select the series: D-AHU Professional, D-AHU Modular R, D-AHU Modular P, Modular L and Modular T
2. Insert the air flow supply and return
3. Insert the summer/winter air supply setpoint
4. Insert the summer/winter outdoor and extract temperature







You will get immediately your 3D result and it's ready to customize!

Now, you will be able to modify your unit (adding or changing components) in order to have a product that meets all your needs.

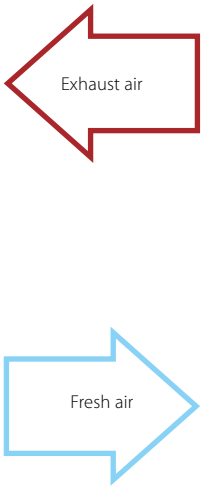
When finished a technical report, price list, fan curve chart can be generated.
These final reports can be downloaded in different formats.

The working principle at a glance

Typical configurations for Daikin air handling units provide a versatile range of functions.
Our system offers numerous options for customisation through an extensive range of variations and added functionality.

Supply side

- Damper section including ventilation grilles, factory-mounted actuators
- Premium efficiency filters with factory-mounted differencial pressure manometer
- Heat recovery system (cross flow and counter flow plate heat exchanger or rotary heat exchanger)
- Mixing box with damper and factory-mounted actuators
- Heating/cooling coil section with stainless steel condensate tray and drip protection
- Supply air fan, EC technology (with hinged door, opening drive monitoring, mounted and cabled lighting and ON/OFF switch)





Fans
- EC plug fan
- Forward curved fan
- Backward curved fan
- Backward airfoil blades fan
- Plug fan

Exchangers
- Water coils
- Steam coils
- Direct expansion coil
- Superheated water coils
- Electric coils

Humidifiers
- Evaporative humidifier without pump (loss water)
- Evaporative humidifier with re-circulating pump
- Steam humidifier with direct steam production
- Steam humidifier with local distributor
- Atomized water spray humidifier

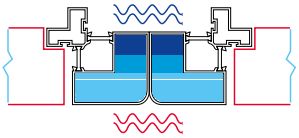
Plug and Play control solution

› Air flow control
› Air temperature control
› Chilled water and DX cooling system control
› Free cooling
› CO_2 automatic control
› Air temperature control (supply, return, ambient)
› Variable Air Volume (VAV) and Constant Air Volume (CAV) systems

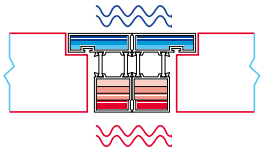
Unique section to section thermal break profile

› Thermal bridge free for the entire AHU
› Smooth interior surface with improved IAQ (Indoor Air Quality)

Conventional design

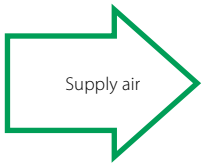


Daikin design









Return side

› Premium efficiency filters with factory-mounted differencial pressure manometer
› Exhaust air fan, EC technology (with hinged door, opening drive monitoring, mounted and cabled lighting and ON/OFF switch)
› Mixing box with damper and factory-mounted actuators
› Heat recovery system (cross flow and counter flow plate heat exchanger or rotary heat exchanger)
› Damper section including ventilation grilles, factory-mounted actuators

Heat recovery systems
› Heat wheel, sensible or sorption
› Cross flow and Counter flow plate heat exchangers
› Run-around coils

Other section
› Attenuator section
› Mixing box section with actuators or manual controlled dampers
› Empty section

Filters
› Synthetic pleated filter
› Flat filter aluminium mesh
› Rigid bag filter
› Soft bag filter
› High efficiency filter
› Carbon absorption filter
› Carbon deodorizing filter

Accessories
› Control features
› Frost protection
› Manometers
› Drive guard
› Roof
› …

Professional

Flexible solution for custom applications

Highlights

- Air flow from 750 m^3/h to 144,000 m^3/h, for all customer needs
- Indoor and outdoor versions
- Custom designed to facilitate the transport and the assembly on site
- Smooth interior surface with improved IAQ (Indoor Air Quality)
- DX cooling system integration (VRV IV and ERQ coupling capability)
- Daikin Digital Control compatible
- Different heat recovery systems: heat wheel (sensible, enthalpy or sorption), cross flow and counter flow plate heat exchangers, run-around coils
- Wide range of fans selectable: EC, AC plug, belt driven (forward curved, backward curved and backward airfoil blades)
- Heating/cooling coil section with stainless steel condensate tray and drip protection
- Different humidifiers available depending on customer needs
- Premium efficiency filters with factory mounted differential pressure manometer
- Profile in anodized aluminum with or without thermal break
- Base frame in Galvanized steel, Aluminium, Stainless Steel 430 or 316
- Panel insulation in polyurethane foam or mineral wool
- Different material options selectable for internal, external panel skin: Pre-coated, Aluzinc, Aluminum, Stainless Steel 304 or 316
- Wide range of accessories
- Possibility to import BIM objects in Autodesk® Revit, thanks to a dedicated free plug-in available for download





Daikin Digital Control

Plug and play control system

patented solution



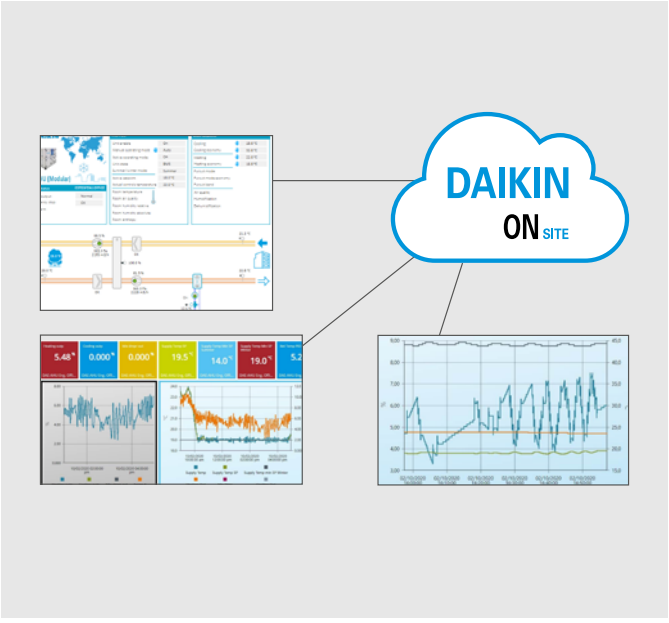
Highlights

› Free cooling/free heating management
› VRV direct expansion systems management
› Chilled water system control
› Eco and reduced night modes
› Up to 310 I/O (inputs/outputs)
› All components internally wired
› Fast connection between sections
› Programming schedule
› Indoor Air Quality (IAQ) controlled by CO_2 Probe
› Regulation logic: Temperature Supply, Return, Ambient
› Preloaded control parameters simplify the field commissioning
› Unit delivered tested and programmed in the factory ensuring high quality level
› Time and cost savings thanks to easy assembly on site
› Minimum maintenance required
› No involvement of external company or need of a third-party warranty thanks to integration of low and high voltage
› User friendly control interface
› Supervision and Control management local, remote options (Modbus, Bacnet)
› Maximum flexibility in selecting the product and control feature directly from selection software

Daikin On Site

Control everywhere

The Daikin On Site platform offers different features and functions to monitor and control the unit.
The monitoring system makes available dashboards,remote access, scheduling, online graphics, diagnostics, software upgrade.



Modular R

Side connected rotary heat recovery air handling unit

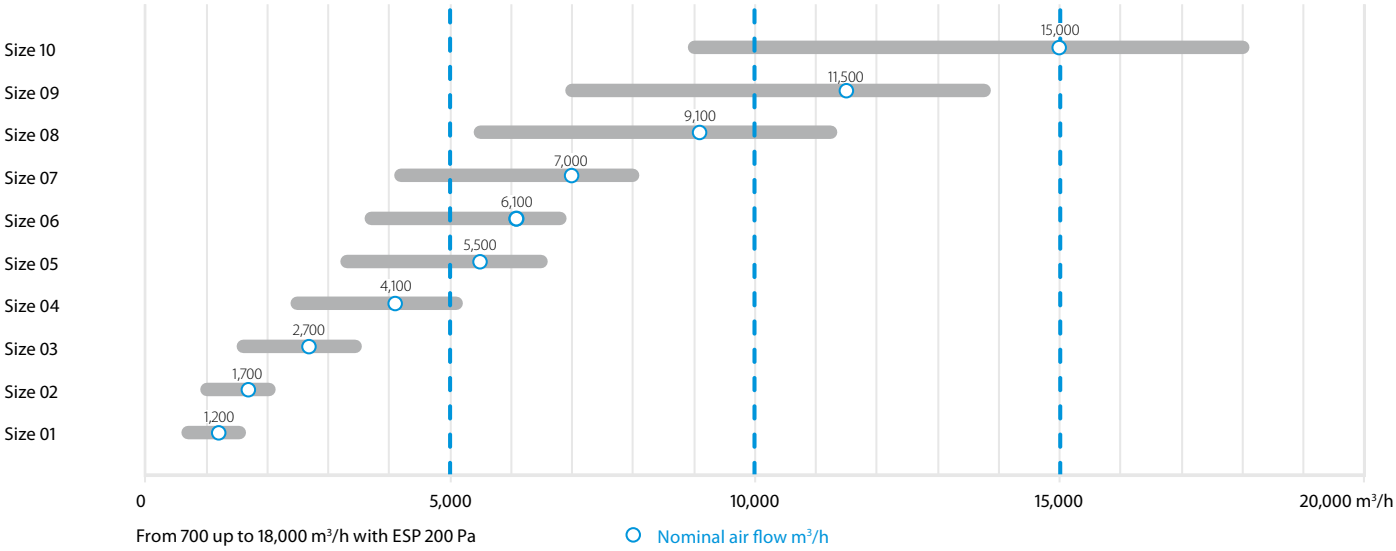
Highlights

- 10 predefined sizes
- Airflow from 700 m³/h to 18,000 m³/h (ErP 2018)
- Rotary heat recovery (Sensible or Sorption)
- Compact design (only 720 mm depth)
- Indoor and outdoor versions
- Thermal bridge free for the entire AHU
- Smooth interior surface with improved IAQ (Indoor Air Quality)
- Indoor air quality compliant with VDI 6022 hygiene guideline
- Chilled water system control
- DX cooling system integration (VRV IV and ERQ coupling capability)
- Advanced control features
- Monitoring and control through Daikin iTM
- Nominal air flow programmed at factory
- Air flow or pressure control (Variable Air Volume - Constant Air Volume)
- Free cooling capability
- Economy and Night mode operation
- Possibility to import BIM objects in Autodesk® Revit, thanks to a dedicated free plug-in available for download



Modular R

Air flow range



From 700 up to 18,000 m³/h with ESP 200 Pa

Nominal air flow m³/h

Technical details

More details and final information can be found by scanning or clicking the QR codes.

Modular R

Modular R			1	2	3	4	5	6	7	8	9	10
Airflow		m³/h	1,200	1,700	2,700	4,100	5,500	6,100	7,000	9,100	11,500	15,000
Temp. efficiency winter		%	76.9	76.7	77	77.2	78.5	77	78.4	78.7	77.9	78.2
External static pressure	Nom.	Pa	200									
Current[1]	Nom.	A	2.6	3.65	2.24	3.27	4.23	5.14	5.79	6.92	9.39	12.56
Power input[1]	Nom.	kW	0.6	0.84	1.36	1.98	2.56	3.11	3.51	4.19	5.69	7.61
SFPv[2]		kW/m³/s	1.553	1.507	1.451	1.521	1.387	1.549	1.525	1.432	1.487	1.551
Electrical supply	Phase	ph	1		3							
	Frequency	Hz	50									
	Voltage	V	230		400							
Dimensions unit	Width	mm	720	820	990	1,200	1,400		1,600	1,940		2,300
	Height	mm	1,320		1,540	1,740		1,920		2,180	2,460	2,570
	Length	mm	1,700		1,800	1,920	2,080	2,280	2,400	2,450	2,280	2,400
Weight unit		kg	325	350	475	575	750	790	950	1,330	1,410	1,750

1. Measured with dirty filters | 2. SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

Modular P

Side connected plate heat recovery air handling unit

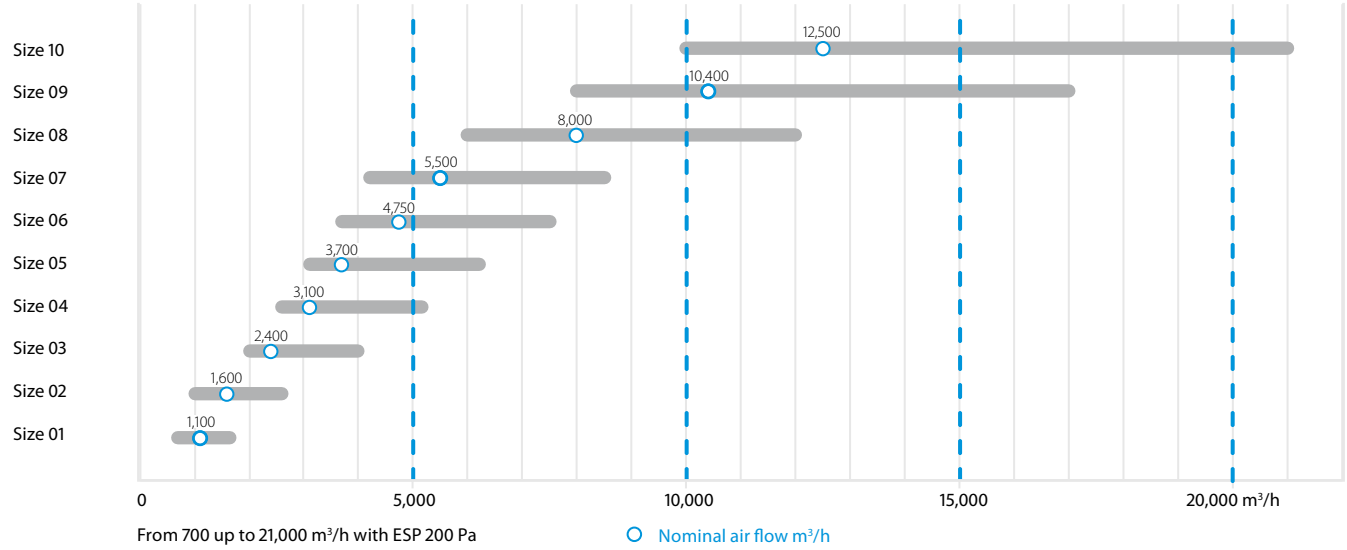
Highlights

- 10 predefined sizes
- Airflow from 700 m³/h to 21,000 m³/h (ErP 2018)
- Counterflow plate heat recovery
- Compact design (only 720 mm depth)
- Indoor and outdoor versions
- Thermal bridge free for the entire AHU
- Smooth interior surface with improved IAQ (Indoor Air Quality)
- Indoor air quality compliant with VDI 6022 hygiene guideline
- Chilled water system control
- DX cooling system integration (VRV IV and ERQ coupling capability)
- Advanced control features
- Monitoring and control through Daikin iTM
- Nominal air flow programmed at factory
- Air flow or pressure control (Variable Air Volume - Constant Air Volume)
- Free cooling capability
- Economy and Night mode operation
- Possibility to import BIM objects in Autodesk® Revit, thanks to a dedicated free plug-in available for download



Modular P

Air flow range



From 700 up to 21,000 m³/h with ESP 200 Pa

○ Nominal air flow m³/h

Technical details

More details and final information can be found by scanning or clicking the QR codes.

Modular P

Modular P			1	2	3	4	5	6	7	8	9	10
Airflow		m³/h	1,100	1,600	2,400	3,100	3,700	4,750	5,500	8,000	10,400	12,500
Heat exchanger thermal efficiency[1]		%	88.1	87	87.2	87.1		92.1		91.8	92.9	
External static pressure	Nom.	Pa	200									
Current[2]	Nom.	A	1.78	2.48	2.08	2.73	3.45	4.58	5.25	7.53	9.55	11.55
Power input[2]	Nom.	kW	0.41	0.57	0.83	1.09	1.38	1.83	2.10	3.01	3.82	4.62
SFPv[3]		kW/m³/s	1.183	1.092	1.090	1.113	1.118	1.210	1.207	1.216	1.148	1.166
Electrical supply	Phase	ph	1		3							
	Frequency	Hz	50									
	Voltage	V	230		400							
Dimensions unit	Width	mm	720	820	990	1,200	1,400		1,600	1,940		2,300
	Height	mm	1,320		1,540	1,740		1,920		2,180	2,460	2,570
	Length	mm	2,030	2,200	2,610	2,660	2,800	3,210	3,340	3,840	4,060	4,190
Weight unit		kg	343	358	512	604	785	852	964	1,449	1,700	2,071

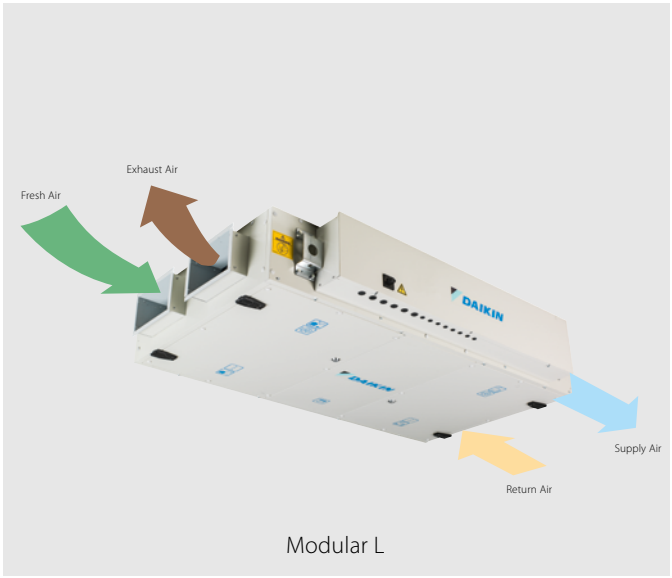
1. Winter design condition: Outdoor: -10°C, 90% Indoor: 22°C, 50% | 2. Measured with dirty filters | 3. SFPv is a parameter that quantifies the fan efficiency (the lower it is, the better will be). This reduces if airflow decreases.

Modular L

False ceiling heat recovery unit

Highlights

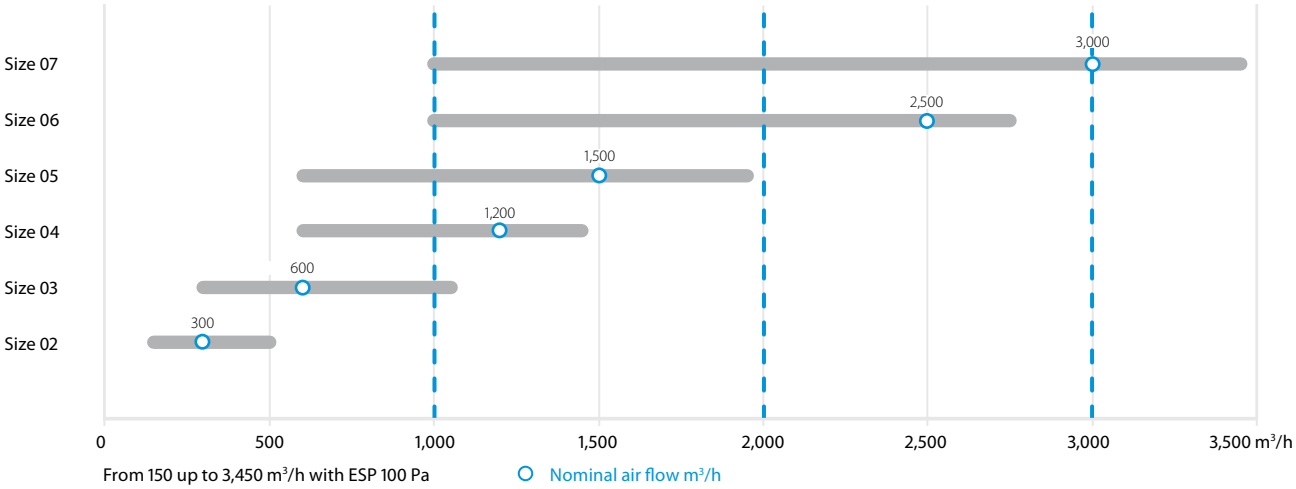
- 6 Predefined sizes
- Plug & Play control solution
- Compact unit from 280 mm height (for air flow up to 550 m³/h)
- Wide air flow coverage from 150 to 3,400 m³/h
- Right and left configuration
- Pro (open control platform) and Smart (Daikin control platform) version
- Excellent indoor air quality (IAQ). Up to ePM1 80% (F9) filtration level with possibility to have a prefilter up to ePM1 50% (F7) for the best IAQ
- VDI 6022 Certified
- BIM file available at www.daikin.eu/BIM



Modular L

For integration with Sky Air and VRV units, please refer to the Modular L Smart, in the Ventilation chapter

Air flow range



Technical details

More details and final information can be found by scanning or clicking the QR codes.

Modular L

Modular L			ALB02*B	ALB03*B	ALB04*B	ALB05*B	ALB06*B	ALB07*B
Airflow		m³/h	300	600	1,200	1,600	2,500	3,000
Heat exchanger thermal efficiency[1].		%	90		91	90	91	90
External static pressure	Nom.	Pa	100					
Current	Nom.	A	0.61	1.39	2.26	2.87	5.17	6.26
Power input	Nom.	kW	0.14	0.32	0.52	0.66	1.19	1.44
SFPv[2].		kW/m³/s	1.27	1.55	1.32	1.38	1.49	1.54
Electrical supply	Phase	ph	1					
	Frequency	Hz	50/60					
	Voltage	V	220/240 Vac					
Main unit dimensions	Width	mm	920	1,100	1,600		2,000	
	Height	mm	280	350	415		500	
	Length	mm	1,660	1,800	2,000			
Rectangular duct flange	Width	mm	250	400	500		700	
	Height	mm	150	200	300		400	
Weight unit		kg	125	180	270	280	355	360

1. Winter design condition: Outdoor: -10°C, 90% Indoor: 22°C, 50% | 2. SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.
3. Electrical current is based on 230V | 4. All data in the table refer to Modular L Pro. For Modular L Smart can be different. Please refer to Databook or Astra selection software for more details.

Modular T

Top connected heat recovery unit

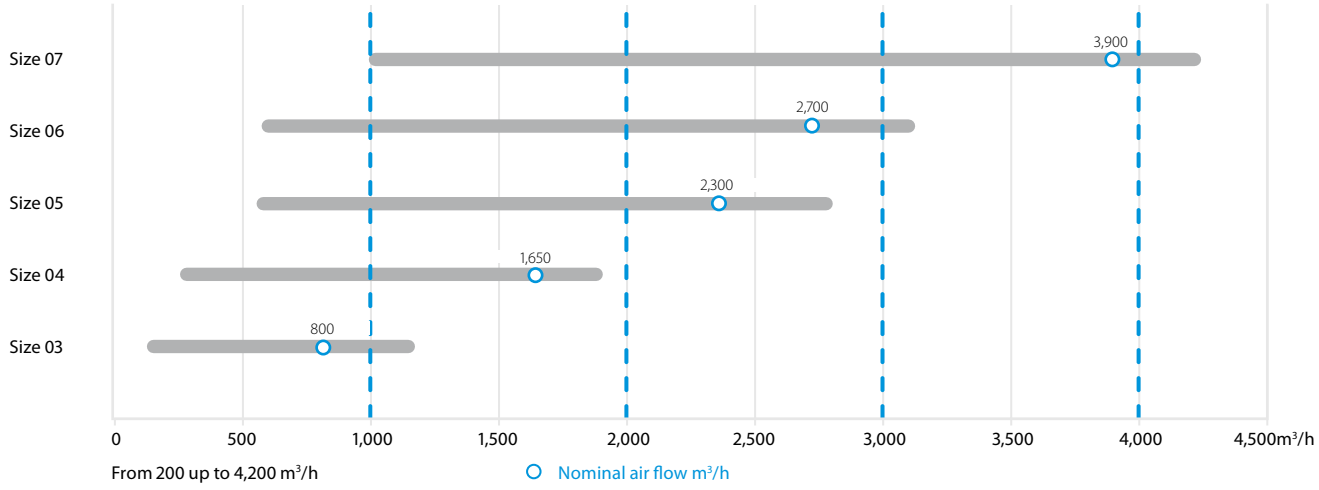
Highlights

- 5 Predefined sizes
- Plug & Play control solution
- Compact unit from 550 mm width (for unit up to 1,100 m³/h)
- Wide air flow coverage from 200 to 4,200 m³/h
- Right and left configuration
- Pro (open control platform) and Smart (Daikin control platform) version
- Excellent indoor air quality (IAQ). Up to three filtration stages: more than 90% PM1 in outdoor air are deleted achieving the best IAQ
- DX and water coil available as option
- Recirculation mixing damper (option)
- BIM file available at www.daikin.eu/BIM



Modular T

Air flow range



Technical details

More details and final information can be found by scanning or clicking the QR codes.

Modular T

Modular T			ATB03*A*	ATB04*A*	ATB05*A*	ATB06*A*	ATB07*A*
Size[1]			03	04	05	06	07
Airflow		m³/h	800	1,650	2,300	2,700	3,900
Heat exchanger thermal efficiency[2]		%	89.3	88.3	85.1	85.5	90.8
External static pressure		Pa	100				
Current		A	1.70	3.39	4.61	5.17	7.87
Power input		kW	0.39	0.78	1.06	1.19	1.81
SFPv [5]		kW/m³/s	1.47	1.5	1.49	1.41	1.5
Electrical supply	Phase	ph	1				
	Frequency	Hz	50/60				
	Voltage	V	220/240 Vac				
Main unit dimensions	Width	mm	550	790	790	790	890
	Heigth	mm³	1,600		1,900	1,850	2,050
	Length	mm	1,580	1,650	2,170[4]	2,620[5]	2,950[5]
Circular duct flange	Diameter	mm	255	315	355	400	500
Unit sound power level		dBA	57	52	55		58
Unit sound pressure level [6]		dBA	50	45	48		51
Weight Unit		Kg	200	250	400	500	620

1. All size available in Smart or Pro version and right or left handing | 2. Outdoor condition: -5°C, 90% Indoor condition: 25°C, 50% | 3. Including feet and duct connections | 4. Size 05 is provided in two sections 5. Size 06 and 07 are provided in three sections | 6. Simple source reference value at 1 meter, directivity factor Q=4 (quarter sphere) and non-reverberant field. Allowances on declared values: +/- 3dB

Daikin fresh air package

Unique in the market

Plug and play connection of AHU to Daikin VRV and ERQ

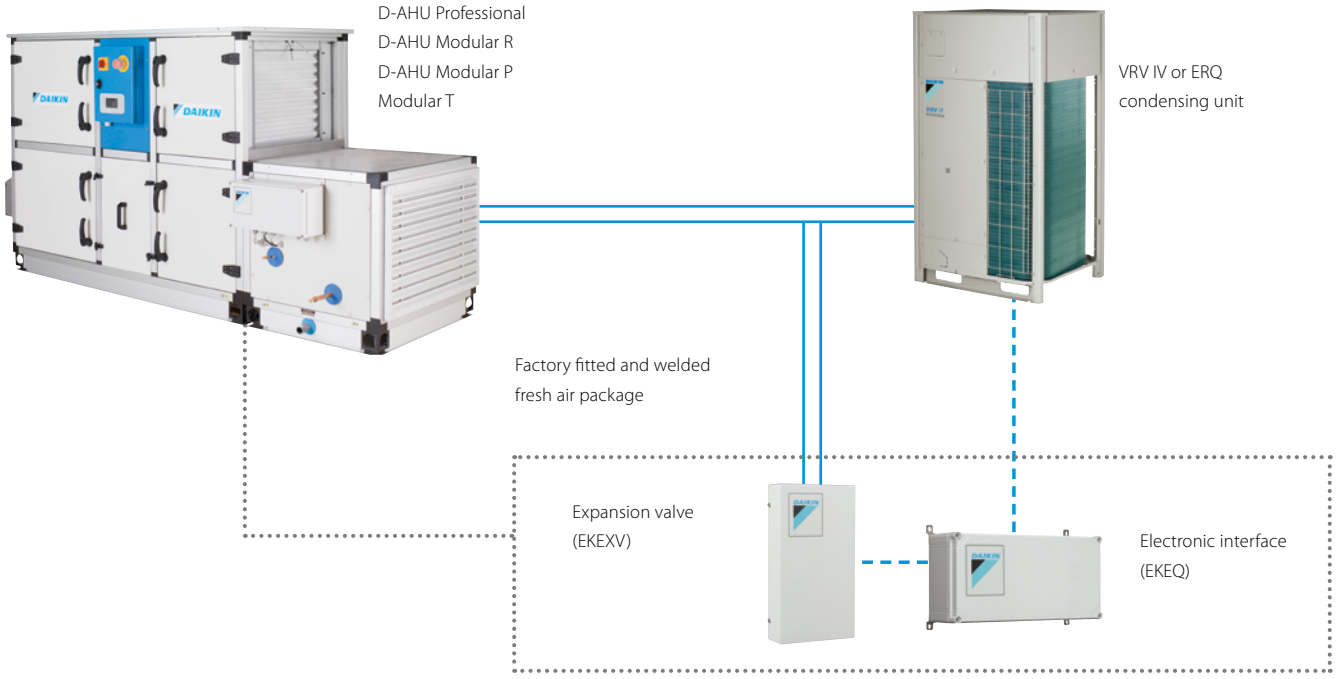
The Daikin fresh air package provides a complete solution, including all unit controls (expansion valve, control box and AHU controller) and sensors factory mounted and configured.

Higher efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a heat recovery system is even more effective since an office system can frequently be in cooling mode while the outdoor air is too cold to be brought inside in an unconditioned state. In this case heat from the offices is merely transferred to heat up the cold incoming fresh air.

High comfort levels

Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resulting in high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.



For more information on the connection of VRV or ERQ DX units with air handling units refer to the chapter Commercial ventilation & air purification of this catalogue


DAIKIN
DAIKIN





Daikin is a strong challenger in the refrigeration market. We can create the ideal solution for each customer's specific situation.
As our products contain the latest technologies we ensure the highest energy efficiency. Our units are rigorously tested in order to provide you reliable operation.
With the acquisition of the Zanotti, Tewis and AHT groups, we expand our refrigeration business providing a larger and more diverse product line for all aspects in the cold chain.

Refrigeration

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Any refrigeration system that contains fluorinated greenhouse gases is in scope of the F-gas regulations.

For fully/partially pre-charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

For non pre-charged equipment (including, but not limited to racks): its functioning relies on fluorinated greenhouse gases.

The F-gas regulations do not apply to systems that contain only natural refrigerants such as propane (R-290) and carbon dioxide (R-744).

Refrigerant	GWP AR4	GWP AR5
R-134A	1,430	1,300
R-407C	1,774	1,620
R-407F	1,825	1,670
R-407H	1,490	1,380
R-410A	2,088	1,920
R-448A	1,387	1,270
R-449A	1,397	1,280
R-452A	2,141	1,945
R-290	3	3
R-744	1	1



Inverter technology


Scroll compressor


Screw compressor


Reciprocating compressor


Swing compressor

For latest data, please consult my.daikin.eu

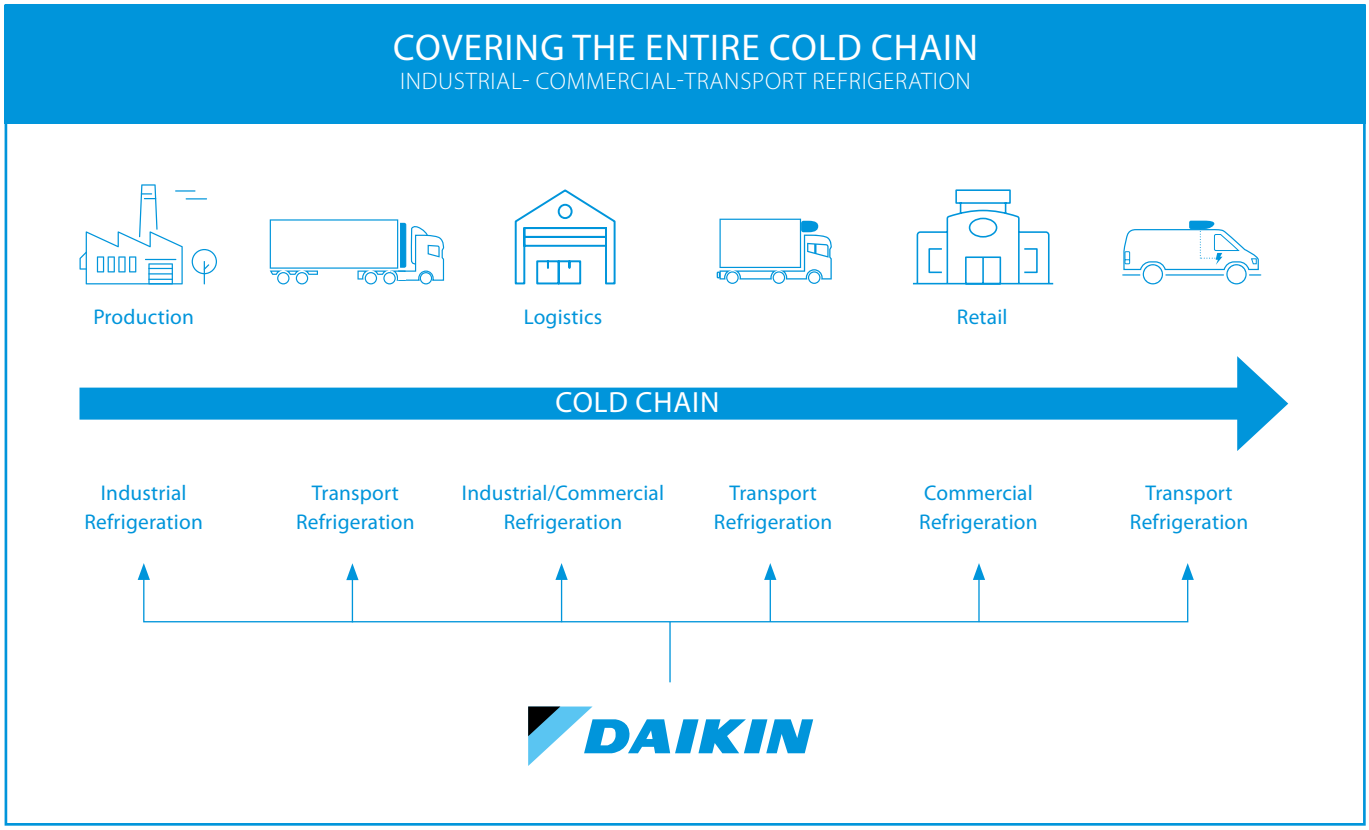
Cold Chain Expertise

From production to delivery

Reshaping the future of cold chain supply

Combining refrigeration expertise with innovative technology, Daikin's comprehensive product portfolio delivers integrated temperature control solutions that improve quality and safety through every link in the distribution process from point of origin to the final consumer. Our range of products and services provide the flexibility to meet diverse customer needs across a range of applications, during production, storage, retail and transit. Energy-efficient technologies with low-GWP refrigerants provide reliable and cost-effective operation, safeguarding perishable supplies, whatever the climate, while protecting the environment.

We will leverage our strengths **to cover the entire cold chain.**











Vision 2050

Daikin Environmental Policy

Adopted in 2015, the Paris Agreement contains a target for the latter half of this century of reducing greenhouse gas emissions to net zero and limiting global warming by less than 2°C compared to pre-industrial levels. In the spirit of the Paris Agreement, Daikin has formulated Environmental Vision 2050, with a target of reducing greenhouse gas emissions to net zero by 2050. We have established a reduction target for 2030 and incorporated this into our efforts under the Fusion 25 Strategic Management Plan.

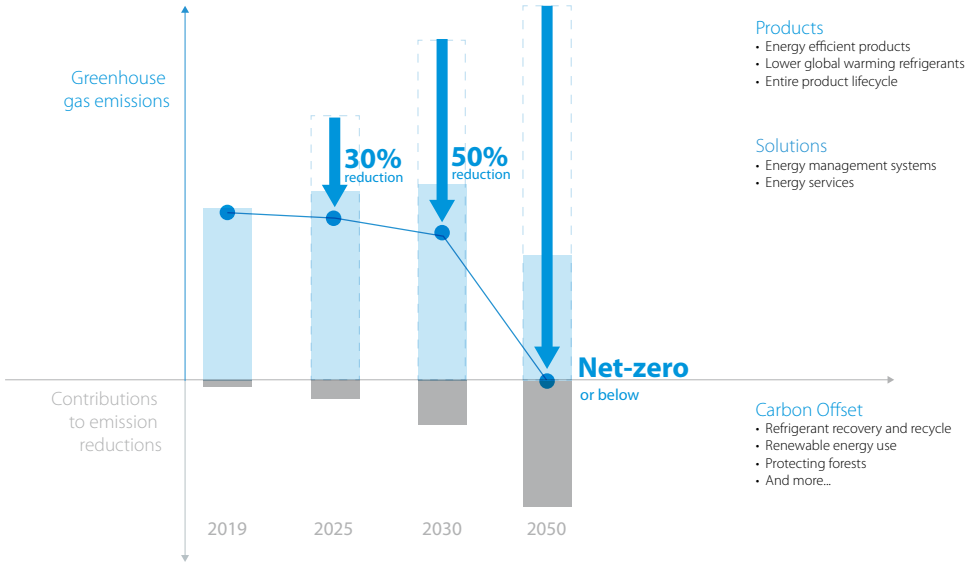
Our Vision 2050

We will reduce the greenhouse gas emissions generated throughout the entire lifecycle of our products by 2050.
Furthermore, we are committed to creating solutions that link society and customers as we work with stakeholders to reduce greenhouse gas emissions to net zero.
Using IoT and AI, and open innovation attempts, we will meet the world's needs for air solutions by providing safe and healthy air environments while at the same time contributing to solving global environmental problems.

Refrigeration Medium-Term Outlook

In our Cold Chain business, we are moving towards low-GWP and HFC-free natural refrigerants, while ensuring the correct safety standards are established in our markets. We maintain continuous focus on reducing the energy consumption of all our products. In the Transport Refrigeration industry, we will strive to lead the shift towards electrification and phase-down the reliance on combustion engine technologies.

Net-zero product lifecycle







Why choose Daikin?

We know refrigeration inside out

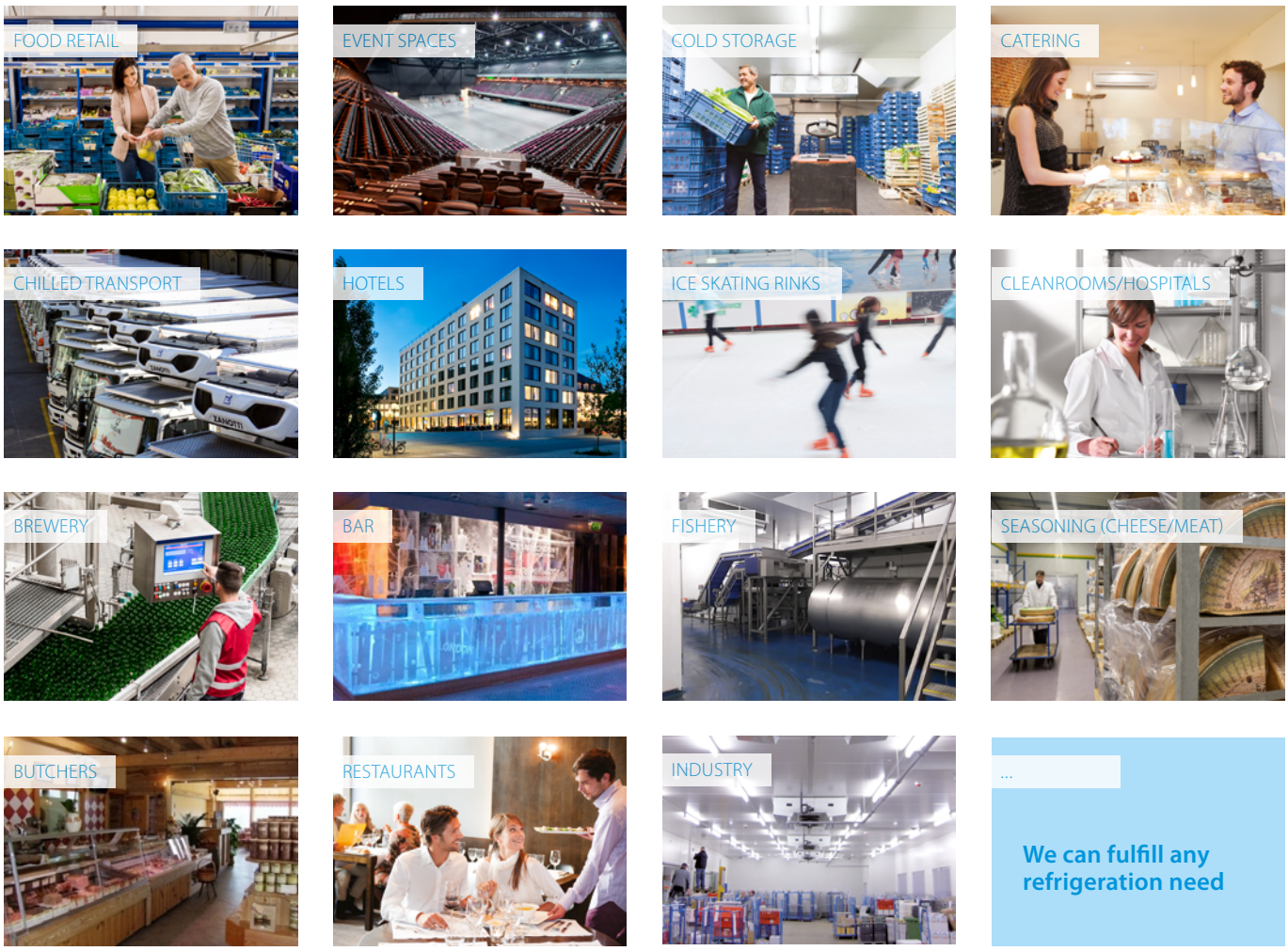
- We have over 100 years of experience in the Refrigeration business.
- We can meet all refrigeration needs from farm to fork, thanks to our wide range of refrigeration products.
- Innovative and reliable own technology and expertise on refrigerants, controls and compressors!
- Your advisor for solutions to meet your needs in line with legislation (F-gas regulation, ecodesign,...) and with focus on reliability, safety, Total Equivalent Warming Impact (see page 7) and running cost.

Controlled temperatures throughout the whole supply chain



We can meet all refrigeration needs from farm to fork

Our extended product line-up is able to provide solutions for:



Daikin Refrigeration – United in cold

HUBBARD a member of DAIKIN group

Hubbard Products Ltd., is one of the UK's leading designers, manufacturers and suppliers of commercial cooling equipment and has earned an enviable Global reputation for innovation and design-led excellence.

DAIKIN

Daikin Europe N.V. is a major European producer of air conditioners, heating systems and refrigeration equipment, with approximately 5,500 employees throughout Europe and major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey and the UK. Globally, Daikin is renowned for its pioneering approach to product development and the unrivalled quality and versatility of its integrated solutions.

AHT a member of DAIKIN group

AHT develops, manufactures and sells refrigerating and freezing showcases specifically suited for food retailers. Leading the "plug-in" type showcases segment, AHT leads the market by the active launch of new products corresponding to evolving store layouts. Furthermore, utilizing its technological capabilities and business resources, AHT serves large accounts which include major food retail chains worldwide.

Tewis a member of DAIKIN group

Tewis is a leading company in the design and engineering of refrigeration systems. Along with their expertise in customising controls (including monitoring), Tewis offers total comprehensive solutions for Refrigeration and Climate applications. Over the last few years, Tewis has focused on developing a range of CO_2 based refrigeration systems and has established a long-lasting relationship with key Spanish and Portuguese food retailers. Its mission and philosophy to date has been to achieve high reliability and realise remarkable energy savings for their customer base.

DAIKIN

Daikin Chemicals

Daikin Chemicals is one of the world's foremost manufacturer of fluorochemical products and is a leading expert in that field. We strive to find new possibilities for living and industry by making the most of fluorine characteristics using our own exclusively developed technologies.



ZANOTTI a member of DAIKIN group

Zanotti is a refrigeration specialist founded in 1962. With over 50 years of experience in food storing services covering the needs of commercial and industrial refrigeration, but also the needs of the transportation of fresh and frozen products. Zanotti changed the refrigeration world from the early days with the introduction of the Uniblock, an all in one plug and play refrigeration unit for cold rooms. Today they employ more than 600 people, with three production facilities and an annual turnover of approx 130 million Euro.



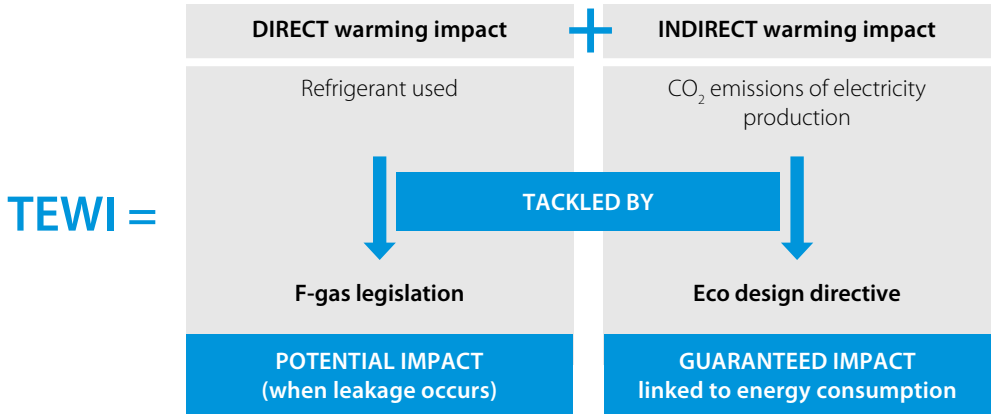
Meeting customer needs!

Depending on type of application, location and customers interest/values, the optimal refrigeration solution for the customer can potentially be different! **Thanks to our wide product portfolio, Daikin can offer what a customer really needs!**

The DNA of our Advice is:

☑ Safety and Reliability

☑ Reducing the Total Equivalent Warming Impact (TEWI)



Reduction of CO_2 emissions is one of the main priorities for the future. A refrigeration plant's global warming effect is the combination of the possible refrigerant losses (Direct warming impact) and the CO_2 emissions caused by electricity production (Indirect warming impact). Country per country situation is different, however on average in Europe CO_2 release at energy production is quite high (average 0.45kg/kwh of Electrical Energy)! Due to this, there is a significant greenhouse effect over the lifetime of the refrigeration plant and efficiency is thus one of the crucial focus points in reducing TEWI!
When various refrigeration solutions are being compared it is thus important to take into account both aspects as in some cases optimizing the direct warming impact (eg: changing refrigerant) will have an opposite effect on the indirect warming impact!

☑ Reducing your running cost

Through focus on reliability & quality, through extensive testing on each product, and energy efficiency our aim is to reduce your operational cost to the absolute minimum!





E. LECLERC, HYPERMARKET
ZEAS



BEER COOLING FACILITY,
CHILLED WITH ZEAS



EDEKA, SUPERMARKET
CONVENI-PACK (2) AND ZEAS (1)



COOMBE FISHERIES
HIGH-PERFORMANCE ZANOTTI LT REFRIGERATION EQUIPMENT



ZIGGO DOME, EVENT HALL
ZEAS FOR COOLING (6) AND FREEZING (2)







SERVICE STATION
ZEAS



Plug and Play solutions

for cold rooms and wine rooms

Zanotti

Touch control

Zanotti presents the new "Touch Screen" control panel for GM monobloc units and GS split units. This new one User interface consists of keypad and display and allows easy access to all manual functions of the units.

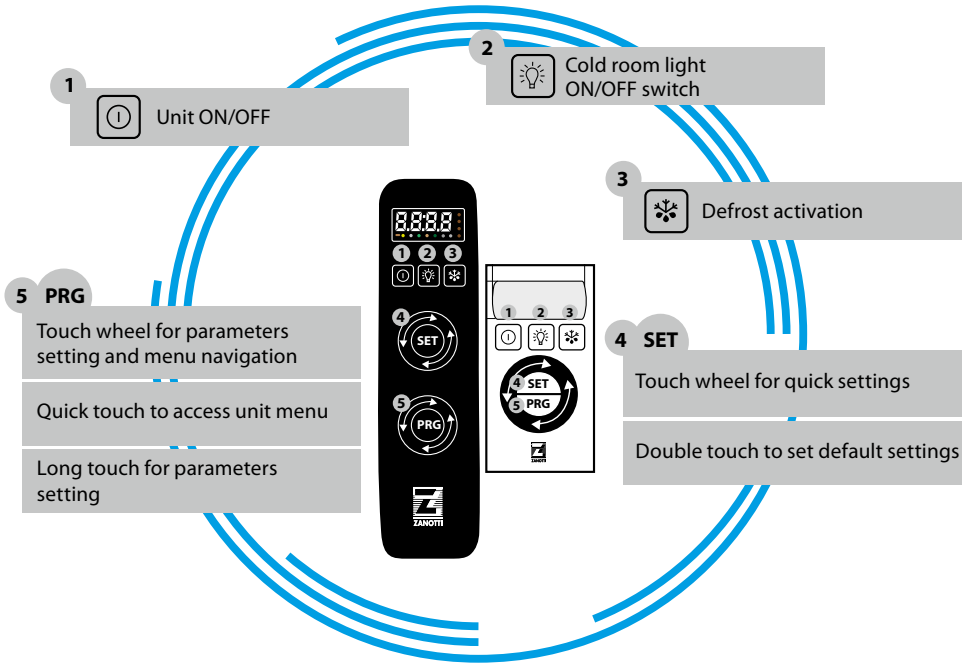
The control of the refrigeration cycle, switching the unit on and off, the lighting in the cold room, activating the manual defrost process and setting the parameters are the features that are more intuitive with the new keyboard.



GM Monoblock Unit



GS Split Unit



for two units in a cold storage cell
ALTERNATIVE REMOTE CONTROL

› For cold rooms where it is required by law to maintain a certain temperature (Products for hospitals, Pharmaceutical products) for safety and control it is necessary to install 2 units in the same cold room, so that they can always be working in alternate hours - when one is off, the other unit is working.

› If an aggregate in full function gets blocked, the second aggregate starts automatically. When the temperature for remote controls with thermostat is not achieved for a certain period of time (product feed, open cell door for longer period of time,...), the unit changes into the standby function.

› Remote control for two aggregates. Adjustable timer for alternate operation.
› In case of device failure of one the refrigeration units, the control can be switched on the other unit nearby. Alarm message through Lamp and buzzer.
› Thermostat for Safety at high Temperatures in the cold room (only with models with Thermostat).

For customized options, please contact your sales representative.

Monoblock units suitable for container

AS-H is a special unit for outdoor installation

The AS-H series models are monoblock units for outdoor installation designed for the preservation of fresh products in small-medium size rooms and occasionally subject to movement. Ideal for refrigerating goods inside containers.

› Suitable for refrigerating goods inside containers
› Special units for outdoor installations
› Extremely solid and effective
› Easy, fast and cost-effective installation
› Precise and functional control of the unit



AS-H



Standard configuration

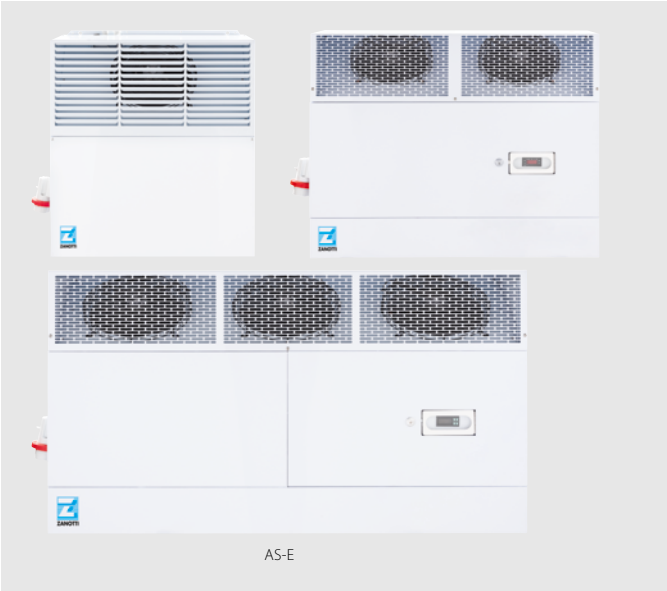
› Hermetic compressor
› Filter dryer
› Four-pole condenser fan
› Cataphoresis to the condenser coil
› Capillary tube expansion
› Separator/accumulator
› Condensate evaporation tray
› Cataphoresis to evaporator coil
› Hot gas defrost
› Refrigerant charge
› Electronic thermostat for unit control
› Switchboard with protection fuses
› Condenser fan pressure switch
› Fixed calibration Lp switch with automatic reset
› Adjustable calibration Lp switch with automatic reset
› 100mm panel for wall mounting
› Crankcase heater
› Double defrost solenoid valve
› External power supply plug
› 1m cold room lighting cable
› 3m micro-switch door cable

Cooling capacity calculation conditions
Medium temperature units: [TC=0°C | TA=30°C]
Low temperature units: [TC=-20°C | TA=30°C]
Dual-temperature units: [TC=-20°C | TA=30°C]

		Medium temperature units								Low temperature units		
		MAS106EA23XH	MAS107EA23XH	MAS211EA23XH	MAS320EB23XH	MAS430EB24XH	MAS535EB24XH	MAS545EB24XH	MAS660EB24XH	BAS110DA23XH	BAS112DA23XH	BAS117DA23XH
Refrigerant		R134a								R452A		
Power supply	V/Ph~/Hz	220-230/1N~/50			380-400/3N~/50					220-230/1N~/50		
HP compressor		3/4	1	1.2	3.5	5	6.5	8.5	10	1	1.2	1.7
Defrost		Hot gas										
PED category		0				1	2			0		
Working temperature	°C	+10 ÷ -5								-15 ÷ -25		
Cooling capacity	Watt	1,140	1,422	1,816	3,492	4,981	6,988	8,290	10,424	662	905	1,164

		Low temperature units							Dual-temperature units			
		BAS218DA23XH	BAS320DB23XH	BAS330DB23XH	BAS445DB24XH	BAS450DB24XH	BAS560DB24XH	BAS680DB24XH	PAS330DB23XH	PAS450DB24XH	PAS565DB24XH	PAS695DB24XH
Refrigerant		R452A										
Power supply	V/Ph~/Hz	220-230/1N~/50	380-400/3N~/50									
HP compressor		1.7	2	3	4	5	7.5	10	3	5	7.5	10
Defrost		Hot gas										
PED category		0	0	0	2				0	2		
Working temperature	°C	-15 ÷ -25							+10 ÷ -5 -15 ÷ -25			
Cooling capacity	Watt	1,436	2,384	2,581	3,628	4,541	6,689	8,663	2,581	4,541	6,689	8,663

Monoblock units suitable for products storage in mobile cold rooms



AS-E

The AS-E range models are monoblock units for outdoor installation designed for the storage of fresh products in rooms mounted on trailers subject to continuous movement.

› Suitable for the storage of fresh products in cold rooms mounted on trailers subject to continuous movement
› Special units for outdoor installations
› Extremely solid and effective
› Easy, fast and cost-effective installation
› Precise and functional control of the unit

Standard configuration

› Scroll compressor
› Filter dryer
› Four-pole condenser fan
› Cataphoresis to the condenser coil
› Capillary tube expansion
› Thermal expansion valve (on dual-temperature models)
› Separator/accumulator
› Condensate evaporation tray
› Cataphoresis to evaporator coil
› Hot gas defrost
› Refrigerant charge
› Electronic thermostat for unit control
› Switchboard with protection fuses
› Condenser fan pressure switch
› Fixed calibration Lp switch with automatic reset
› Adjustable calibration Lp switch with automatic reset
› 100mm panel for wall mounting
› Crankcase heater
› Double defrost solenoid valve
› External power supply plug
› 1m cold room lighting cable
› 3m micro-switch door cable

Cooling capacity calculation conditions
Medium temperature units: [TC=0°C | TA=30°C]
Low temperature units: [TC=-20°C | TA=30°C]
Dual-temperature units: [TC=-20°C | TA=30°C]

		Medium temperature units									
		MAS320EB23TE	MAS430EB24TE	MAS535EB24TE	MAS545EB24TE	MAS660EB24TE	MAS320BB23TE	MAS430BB24TE	MAS535BB24TE	MAS545BB24TE	MAS660BB24TE
Refrigerant		R134a					R449A				
Supply voltage	V/Ph~/Hz	380-400/3N~/50									
HP compressor		4	6	7	9	10	2.3	3.5	4	6	7.5
Defrost		Hot gas									
PED category		1				2	1				2
Working temperature	°C	+10 ÷ -5									
Cooling capacity	Watt	3,770	5,942	7,462	9,007	12,084	3,561	5,606	6,853	9,325	11,011

		Low temperature units					Dual-temperature units			
		BAS330BB23TE	BAS450BB24TE	BAS555BB24TE	BAS560BB24TE	BAS680BB24TE	PAS330BB23TE	PAS450BB24TE	PAS565BB24TE	PAS695BB24TE
Refrigerant		R449A								
Supply voltage	V/Ph~/Hz	380-400/3N~/50								
HP compressor		3.5	5	6	7.5	10	3.5	5	7.5	10
Defrost		Hot gas								
PED category		1			2		1		2	
Working temperature	°C	-15 ÷ -25					+10 ÷ -5 -15 ÷ -25			
Cooling capacity	Watt	2,753	4,100	5,100	6,233	8,127	2,753	4,100	6,233	8,127

Monoblock units suitable for medium-large size cold rooms and freezing tunnels

Extreme versatility of use, suitable for freezing tunnels

The RS series models are monoblock units characterized by extreme versatility of use, ideal for medium-large rooms.

- Extreme versatility of use, low-medium temperatures, polyvalent temperatures and freezing tunnels
- Suitable for different types of applications
- Compact and highly resistant to any environmental condition
- Solenoid valve and thermostatic valve for high efficiency
- Control panel with electromechanical instrumentation for controlling all the functionalities of the machine



RS

Medium temperature units		MRS235T01E	MRS145T01E	MRS150T01E	MRS245N01E	MRS245T01E	MRS250N01E	MRS250T01E	MRS251T01E	MRS351N01E
Refrigerant		R134a								
Power supply	V/Ph~/Hz	380-400/3N~/50								
Compressor type		Hermetic					Semi-hermetic			
HP compressor		5	6.5	8.5	10	13	12	15	25	25
Defrost		Electric								
PED category		2								
Working temperature	°C	+10 ÷ -5								
Cooling capacity [TC=0°C | TA=30°C]	Watt	5,140 (*)	6,776 (*)	8,063 (*)	10,179 (*)	14,774 (*)	17,183 (*)	20,973 (*)	26,945 (*)	28,672 (*)

Medium temperature units		MRS351T01E	MRS235T11E	MRS145T11E	MRS150T11E	MRS245N11E	MRS245T11E	MRS235T01B	MRS145T01B	MRS150T01B	MRS245N01B	MRS245T01B	MRS250N01B
Refrigerant		R134a						R449A					
Power supply	V/Ph~/Hz	380-400/3N~/50											
Compressor type		Semi-hermetic						Hermetic					
HP compressor		30	4		5		12	3		4	5	7.5	10
Defrost		Electric											
PED category		2											
Working temperature	°C	+10 ÷ -5											
Cooling capacity [TC=0°C | TA=30°C]	Watt	35,130 (*)	5,561 (*)	6,435 (*)	7,686 (*)	10,103 (*)	16,682 (*)	5,211	6,798	8,763	12,369	13,715	18,431

Medium temperature units		MRS250T01B	MRS251T01B	MRS351N01B	MRS351T01B	MRS235T11B	MRS145T11B	MRS150T11B	MRS245N11B	MRS245T11B	MRS250N11B	MRS250T11B
Refrigerant		R449A										
Power supply	V/Ph~/Hz	380-400/3N~/50										
Compressor type		Hermetic	Semi-hermetic									
HP compressor		15	20	25	30	3	3	4	5	7.5	10	15
Defrost		Electric										
PED category		2										
Working temperature	°C	+10 ÷ -5										
Cooling capacity [TC=0°C | TA=30°C]	Watt	21,990	26,114	35,976	38,891	6,770 (*)	8,825 (*)	10,426 (*)	14,035 (*)	19,097 (*)	23,350 (*)	25,372 (*)

Low temperature units		BRS235N01B	BRS235T01B	BRS145N01B	BRS145T01B	BRS150N01B	BRS150T01B	BRS245N01B	BRS245T01B	BRS250N01B	BRS250T01B	BRS251T01B	BRS351N01B	BRS351T01B
Refrigerant		R449A												
Power supply	V/Ph~/Hz	380-400/3N~/50												
Compressor type		Semi-hermetic												
HP compressor		4	5	5	7.5	7.5	10	12.5	15	20	25	30	40	50
Defrost		Electric												
PED category		2												
Working temperature	°C	-15 ÷ -25												
Cooling capacity [TC=-20°C | TA=30°C]	Watt	3,547 (*)	4,297	5,609	7,413	8,191	8,670	11,102	14,423	18,531	21,344	23,648	31,599	35,030

Freezing and dual-temperature units		Freezing				Dual-temperature				
		CRS150N001B	CRS150T001B	CRS250N001B	CRS250T001B	PRS235T001B	PRS145T001B	PRS150T001B	PRS245T001B	PRS251T001B
Refrigerant		R449A								
Power supply	V/Ph~/Hz	380-400/3N~/50								
Compressor type		Semi-hermetic								
HP compressor		7.5	10	15	25	5	7.5	10	15	30
Defrost		Electric								
PED category		2								
Working temperature	°C	-30 ÷ -50				+5 ÷ -5 -15 ÷ -25				
Cooling capacity Freezing [TC=30°C | TEV=-35°C] Dual-temperature [TC=-20°C | TA=30°C]	Watt	5,188	7,373	16,721	22,251	5,645	7,424	8,669	14,123	21,923

(*) Tentative data

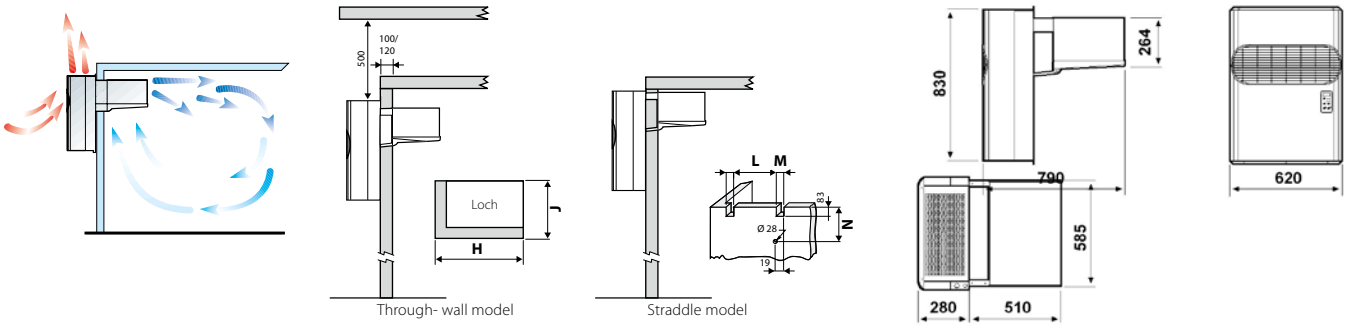
Monoblock system for low and medium temperature refrigeration

For wall mounted installation in small and medium sized cold rooms

- Rapid mounting on the wall of the cold room by straddle-mounting, which is ideal for new installations or through-wall mounting and refurbishment projects
- Metallic grey coloured finish of the outdoor unit
- The white colour of the evaporator blends unobtrusively with the cold room walls
- Compressor compartment insulated with suitable soundproofing material to reduce sound levels
- Microchannel condensers available in order to reduce the refrigerant charge as much as possible and ensuring higher energy efficiency
- The units are provided with a new generation control panel with an easy-to-use interface



Installation type



More details and final information can be found by scanning or clicking the QR codes.

GM

Medium temperature units		MGM103EA11XA	MGM105EA11XA	MGM106EA11XA	MGM107EA11XA	MGM110EA11XA	MGM211EA11XA	MGM212EB11XA	MGM315EB11XA	MGM320EB11XA
Refrigerant		R134a								
Power supply	V/Ph~/Hz	220-230/1N~/50						380-400/3N~/50		
HP compressor		1/2	5/8	3/4	1	1.2	1.2	2.3	3	3.5
Defrost		Hot gas								
PED category		0								
Working temperature	°C	+10 ÷ -5								
Cooling capacity [TC=0°C | TA=30°C]	Watt	855	978	1,120	1,315	1,351	1,806	2,034	3,079	3,351

Low temperature units		BGM110DA11XA	BGM112DA11XA	BGM117DA11XA	BGM218DA11XA	BGM220DB11XA	BGM320DB11XA	BGM330DB11XA	BGM340DB11XA
Refrigerant		R452A							
Power supply	V/Ph~/Hz	220-230/1N~/50				380-400/3N~/50			
HP compressor		1	1.2	1.7	1.7	2		3	4
Defrost		Hot gas							
PED category		0							
Working temperature	°C	-15 ÷ -25							
Cooling capacity [TC=-20°C | TA=30°C]	Watt	679	889	1,155	1,429	1,688	2,491	2,701	3,160

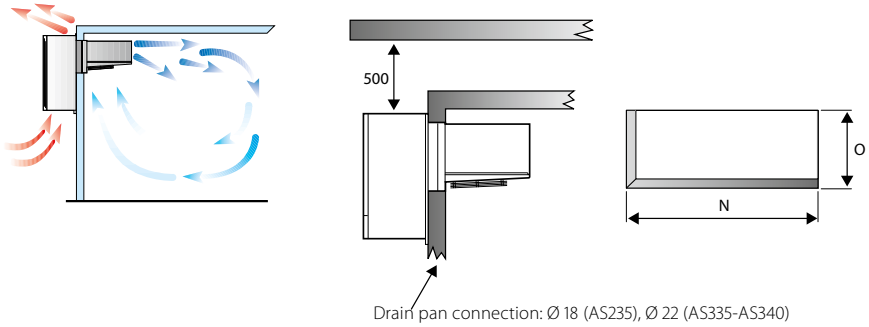
Monoblock system for low and medium temperature refrigeration


AS

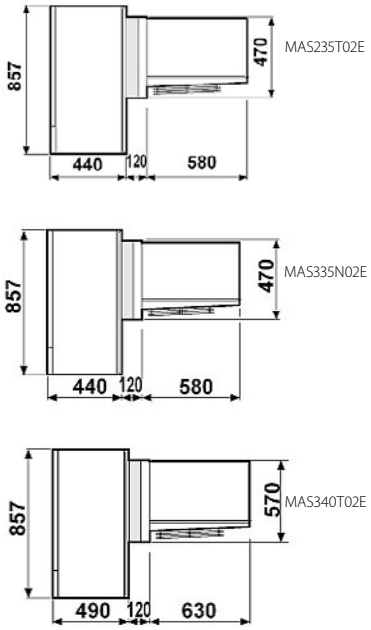
For wall mounted installation in medium sized cold rooms

› Rapid mounting on the wall of the cold room by through-wall mounting
› Extremely fast to assemble, reducing installation time and cost
› The white colour of the evaporator blends unobtrusively with the cold room walls
› Very compact and very efficient
› Remote electronic command station with easy-to-use user interface programmable according to various system requirements
› Low temperature models are available. Please contact your local dealer

Installation type



Drain pan connection: Ø 18 (AS235), Ø 22 (AS335-AS340)



More details and final information can be found by scanning or clicking the QR codes.

AS

		Medium temperature units				Low temperature units		
		MAS430EB13XX	MAS535EB13XX	MAS545EB13XX	MAS660EB13XX	BAS450DB13XX	BAS560DB13XX	BAS680DB13XX
Refrigerant		R134a				R452A		
Power supply	V/Ph~/Hz	380-400/3N~/50						
HP compressor		5	6.5	8.5	10	5	7.5	10
Defrost		Hot gas						
PED category		1	2					
Working temperature	°C	+10 ÷ -5						
Cooling capacity [TC=0°C | TA=30°C]	Watt	4,981	6,988	8,290	10,424	-		
Cooling capacity [TC=-20°C | TA=30°C]	Watt	-				4,541	6,689	8,663

Monoblock system for low and medium temperature refrigeration

For roof mounted installation in small and medium sized cold rooms

- Rapid mounting on the roof of the cold room
- Ceiling assembly leaves the space inside the cold room completely free
- The white colour of the evaporator blends unobtrusively with the cold room walls
- Extremely fast to assemble, reducing installation time and cost
- Best surface-to-capacity ratio
- Remote electronic command station with easy-to-use user interface programmable according to various system requirements

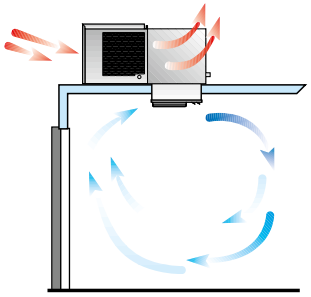


SB

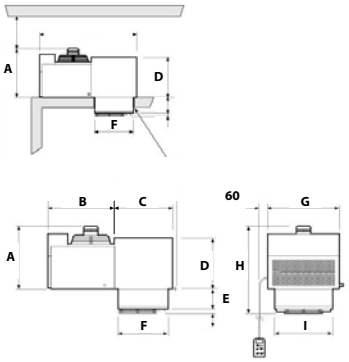
Available with R290 (propane)

Air-cooled and water-cooled available

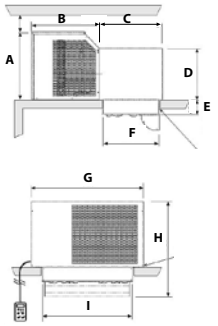
Installation type



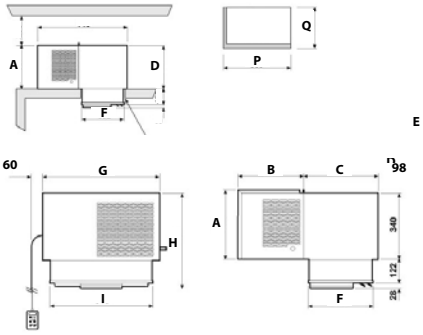
SB120



SB140



SB125-235



More details and final information can be found by scanning or clicking the QR codes.

SB

Medium temperature units		MSB005EA11XX	MSB106EA11XX	MSB107EA11XX	MSB210EA11XX	MSB212EB11XX	MSB315EB11XX	MSB320EB11XX	MSB425EB11XX	MSB530EB13XX
Refrigerant		R134a								
Power supply	V/Ph~/Hz	220-230/1N~/50				380-400/3N~/50				
HP compressor		5/8	3/4	1	1.2	2.3	3	3.5	4	5
Defrost		Hot gas								
PED category		0								1
Working temperature	°C	+10 ÷ -5								
Cooling capacity [TC=0°C | TA=30°C]	Watt	857	1,120	1,338	1,799	2,022	3,282	3,550	3,774	4,871

Low temperature units		BSB010DA11XX	BSB117DA11XX	BSB220DB11XX	BSB330DB11XX	BSB440DB11XX	BSB545DB13XX	BSB550DB13XX
Refrigerant		R452A						
Power supply	V/Ph~/Hz	220-230/1N~/50		380-400/3N~/50				
HP compressor		3/4	1.7	2	3	3.5	4	5
Defrost		Hot gas						
PED category		0				2		
Working temperature	°C	-15 ÷ -25						
Cooling capacity [TC=-20°C | TA=30°C]	Watt	628	1,162	1,699	2,596	3,097	3,890	4,849

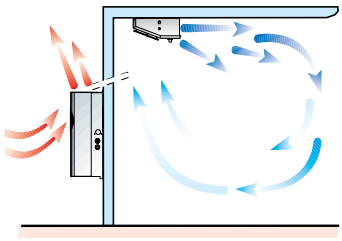
Bi-block system for low and medium temperature refrigeration

Condensing unit for wall mounted installation

› Wall mounted condensing unit and ceiling mounted evaporator
› Extremely rapid mounting
› Best surface-to-capacity ratio
› Low sound levels thanks to optional compressor compartment soundproofing
› New generation control panel: possibility to connect it to classic remote management systems or to a Modbus system



Installation type



More details and final information can be found by scanning or clicking the QR codes.

GS

Medium temperature units		SB. MGS103EA11XX	SB. MGS105EA11XX	SB. MGS106EA11XX	SB. MGS107EA11XX	SB. MGS110EA11XX	SB. MGS211EA11XX	SB. MGS212EB11XX	SB. MGS315EB11XX	SB. MGS320EB11XX
Refrigerant		R134a								
Power supply	V/Ph~/Hz	220-230/1N~/50						380-400/3N~/50		
HP compressor		1/2	5/8	3/4	1	1.2	1.2	2.3	3	3.5
Defrost		Electric								
PED category		0								
Working temperature	°C	+10 ÷ -5								
Cooling capacity [TC=0°C | TA=30°C]	Watt	855	978	1,120	1,315	1,351	1,806	2,034	3,079	3,351

Low temperature units		SB. BGS110DA11XX	SB. BGS112DA11XX	SB. BGS117DA11XX	SB. BGS218DA11XX	SB. BGS220DB11XX	SB. BGS320DB11XX	SB. BGS330DB11XX	SB. BGS340DB11XX
Refrigerant		R452A							
Power supply	V/Ph~/Hz	220-230/1N~/50				380-400/3N~/50			
HP compressor		1	1.2	1.7	1.7	2	2	3	4
Defrost		Electric							
PED category		0							2
Working temperature	°C	-15 ÷ -25							
Cooling capacity [TC=-20°C | TA=30°C]	Watt	679	889	1,155	1,429	1,688	2,491	2,701	3,160

Bi-block system for low and medium temperature refrigeration

Condensing unit for floor standing or roof mounted installation

- Condensing unit for floor standing or roof mounted installation and ceiling mounted evaporator
- Extremely fast to assemble thanks to quick connection joints
- Reduced installation time and cost
- Best surface-to-capacity ratio



Floor standing condenser

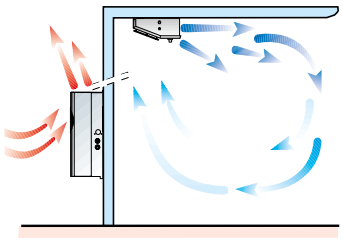


Remote control



Ceiling evaporator

Installation type



More details and final information can be found by scanning or clicking the QR codes.

SP-O

Medium temperature units		SB. MSP106EA11XX	SB. MSP107EA11XX	SB. MSP212EA11XX	SB. MSP315EB11XX	SB. MSP320EB11XX
Refrigerant		R134a				
Power supply	V/Ph~/Hz	220-230/1N~/50			380-400/3N~/50	
HP compressor		3/4	1	1.2	3	3.5
Defrost		Electric				
PED category		0				
Working temperature	°C	+10 ÷ -5				
Cooling capacity [TC=0°C | TA=30°C]	Watt	1,140	1,422	1,816	3,188	3,492

Low temperature units		SB. BSP110DA11XX	SB. BSP112DA11XX	SB. BSP117DA11XX	SB. BSP218DA11XX	SB. BSP220DB11XX	SB. BSP320DB11XX	SB. BSP330DB11XX
Refrigerant		R452A						
Power supply	V/Ph~/Hz	220-230/1N~/50				380-400/3N~/50		
HP compressor		1	1.5	1.7	1.7	2		3
Defrost		Electric						
PED category		0						
Working temperature	°C	-15 ÷ -25						
Cooling capacity [TC=-20°C | TA=30°C]	Watt	662	905	1,164	1,436	1,719	2,384	2,581

Bi-block system for low and medium temperature refrigeration

Condensing unit for floor standing or roof mounted installation

- Condensing unit for floor standing or roof mounted installation and ceiling mounted evaporator
- Thermostatic expansion valve ensuring optimum capacity in accordance with the required load for better energy efficiency
- Extremely fast to assemble thanks to quick connection joints
- Reduced installation time and cost
- Best surface-to-capacity ratio
- For higher capacities, please contact your local dealer



Floor standing condenser

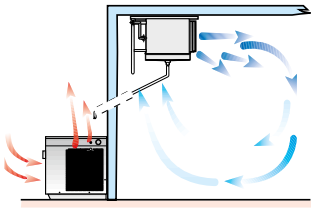


Remote control



Ceiling evaporator

Installation type



More details and final information can be found by scanning or clicking the QR codes.

DB-O

Medium temperature units		SB. MDB106EA11XX	SB. MDB107EA11XX	SB. MDB212EB11XX	SB. MDB315EB11XX	SB. MDB320EB11XX	SB. MDB425EB11XX	SB. MDB530EB13XX*	SB. MDB635EB13XX*	SB. MDB645EB13XX*	SB. MDB706EB13XX*	SB. MDB707EB13XX*
Refrigerant		R134a										
Power supply	V/Ph~/Hz	220-230/1N~/50			380-400/3N~/50							
HP compressor		3/4	1	1.2	3	3.5	4	3.7	4.8	6.3	7.4	9.5
Defrost		Electric										
PED category		1						2				
Working temp.	°C	+10 ÷ -5										
Cooling capacity [TC=0°C | TA=30°C]	Watt	1,140	1,422	1,816	3,188	3,492	3,948	5,070	7,293	8,779	11,014	14,069
Cooling capacity [TC=-20°C | TA=30°C]	Watt	-										

Low temperature units		SB. BDB110DA11XX	SB. BDB112DA11XX	SB. BDB117DA11XX	SB. BDB218DA11XX	SB. BDB220DB11XX	SB. BDB320DB11XX	SB. BDB330DB11XX
Refrigerant		R452A						
Power supply	V/Ph~/Hz	220-230/1N~/50				380-400/3N~/50		
HP compressor		1	1.5	1.7		2		3
Defrost		Electric						
PED category		1						
Working temp.	°C	-15 ÷ -25						
Cooling capacity [TC=0°C | TA=30°C]	Watt	-						
Cooling capacity [TC=-20°C | TA=30°C]	Watt	662	905	1,164	1,436	1,719	2,384	2,581

Low temperature units		SB. BDB440DB11XX	SB. BDB445DB11XX	SB. BDB550DB13XX*	SB. BDB660DB13XX*	SB. BDB680DB13XX*	SB. BDB710DB13XX*	SB. BDB713DB13XX*
Refrigerant		R452A						
Power supply	V/Ph~/Hz	380-400/3N~/50						
HP compressor		3.5	4	3.7	5.5	7.5	9.6	11
Defrost		Electric						
PED category		2						
Working temp.	°C	-15 ÷ -25						
Cooling capacity [TC=0°C | TA=30°C]	Watt	-						
Cooling capacity [TC=-20°C | TA=30°C]	Watt	3,283	3,604	4,925	7,492	8,940	11,537	12,735

* Only for external use

Monoblock units for wine application

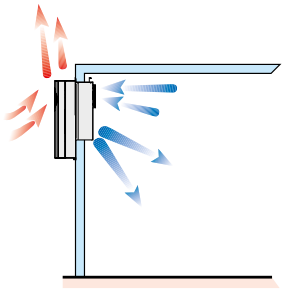
Monoblock system suitable for through-wall installation

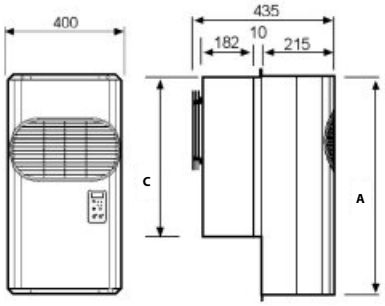
› Accurate humidity and temperature control to guarantee the quality of products (e.g. wines)
› Integrated humidifier available depending on model to have one unit which covers it all: perfect humidity & temperature control
› Electronic controller managing both temperature and humidity of the cold room

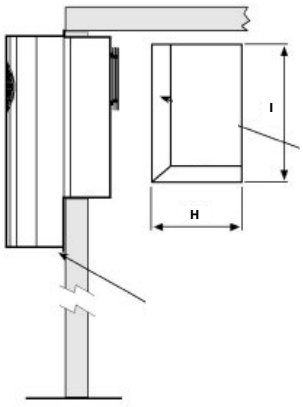


RCV

Installation type







More details and final information can be found by scanning or clicking the QR codes.

RCV

		RCV103EA12S3	RCV105EA12S3	RCV206EA12S3	RCV207EA12S3
Refrigerant		R134a			
Power supply	V/Ph~/Hz	220-230/1N~/50			
HP compressor		1/3	3/8	1/2	3/4
PED category		0			
Working temperature	°C	+20 ÷ +10			
Range RH	%	60-80			
Cooling capacity [TC=10°C | TA=30°C]	Watt	593	912	1,336	1,935

Bi-block system for wine application

Compact condensing unit and small-sized wall or ceiling mounted evaporators

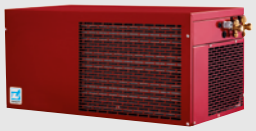
- Accurate humidity and temperature control to guarantee the quality of products (e.g. wines)
- Thermostatic expansion valve ensuring optimum capacity in accordance with the required load for better energy efficiency
- Integrated humidifier available depending on model to have one unit which covers it all: perfect humidity & temperature control
- Electronic controller managing both temperature and humidity of the cold room



Ceiling evaporator

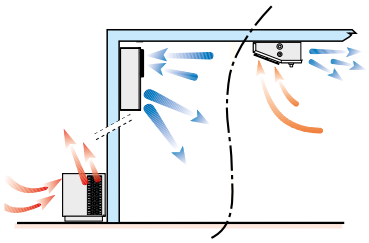


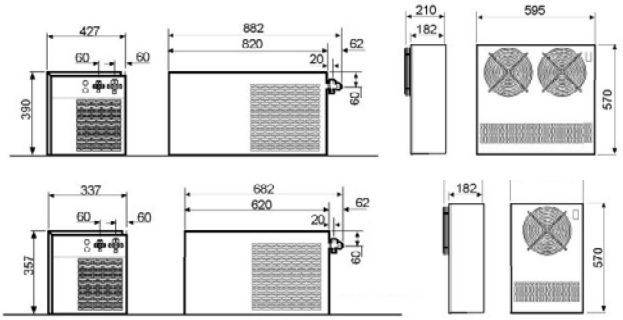
Wall evaporator



RDV Condensing unit

Installation type





More details and final information can be found by scanning or clicking the QR codes.

RDV

		SB.RDV103EA12S3	SB.RDV105EA12S3	SB.RDV206EA12S3	SB.RDV207EA12S3	SB.RDV103EA12S7	SB.RDV105EA12S7	SB.RDV206EA12S7	SB.RDV207EA12S7
Refrigerant		R134a				R134a			
Power supply	V/Ph~/Hz	220-230/1N~/50				220-230/1N~/50			
HP compressor		1/3	3/8	1/2	3/4	1/3	3/8	1/2	3/4
Evaporator type		Wall mounting evaporator				Ceiling mounting evaporator			
PED category		1				1			
Working temperature	°C	+20 ÷ +10				+20 ÷ +10			
Range RH	%	60-80				60-80			
Cooling capacity [TC=10°C | TA=30°C]	Watt	593	912	1,336	1,935	593	912	1,336	1,935



Drying and ageing units

Monoblock and bi-block units for drying and ageing of meat and cheese

For small and medium size coldrooms

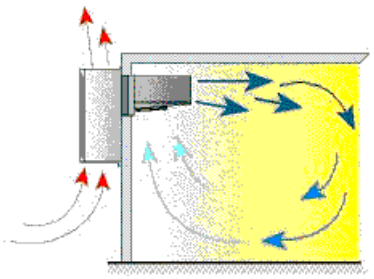
› Quick and easy installation
› Low noise and vibration
› Electronic control
› Constant and detailed control of temperature and humidity level during operation
› Compact and functional, with removable panels to allow easy access to internal components
› More units available suitable for large coldrooms



Bi-block Monoblock

SAS: Drying and ageing units for small and medium cold rooms
› Coldroom temperature: **+10°C to +25°C**
› Humidity: **till 60%**

SAR: Units for post-salting resting of hams for small and medium cold rooms
› Coldroom temperature: **+2°C to +4°C**
› Humidity: **till 40%**



Cooling capacity:
› from 2.900 to 18.500 Watt

		Monoblock units			Bi-block units		
SAR		**SAR212DB13SM**	**SAR320DB13SM**	**SAR430DB13SM**	**SB.SAR212DB13SS**	**SB.SAR320DB13SS**	**SB.SAR430DB13SS**
Refrigerant		R134a			R134a		
Power supply	V/Ph~/Hz	380-400/3N~/50			380-400/3N~/50		
HP compressor		1.5	2	4	1.5	2	4
Defrost		Hot gas			Hot gas		
PED category		1		2	1		2
Working temperature	°C	+10 ÷ -5			+10 ÷ -5		
Range RH	%	40-60			40-60		
Cooling capacity [TC=10°C | TA=30°C]	Watt	2,900	4,500	7,250	2,900	4,500	7,250

		Monoblock units					Bi-block units				
SAS		**SAS212EB10SM**	**SAS320EB10SM**	**SAS430EB10SM**	**SAS545EB10SM**	**SAS660EB10SM**	**SB.SAS212EB10SS**	**SB.SAS320EB10SS**	**SB.SAS430EB10SS**	**SB.SAS545EB10SS**	**SB.SAS660EB10SS**
Refrigerant		R134a									
Power supply	V/Ph~/Hz	380-400/3N~/50									
HP compressor		1	1.5	3	5	7.5	1	1.5	3	5	7.5
Drying	m³	5	11	23	36	45	5	11	23	36	45
Drying	kg	200	400	600	950	1,200	200	400	600	950	1,200
Ageing	m³	20	40	70	125	160	20	40	70	125	160
Ageing	kg	600	1,000	2,000	3,000	4,000	600	1,000	2,000	3,000	4,000
PED category		1		2			1		2		
Working temperature	°C	+25 ÷ +10									
Range RH	%	60-80									
Cooling capacity [TC=10°C | TA=30°C]	Watt	3,400	4,900	8,200	12,800	15,900	3,400	4,900	8,200	12,800	15,900

Air Handling Unit for industrial drying

The UAV series models are refrigeration units designed for drying cured meats, hams and cheeses with the need of temperature and relative humidity control in medium-large rooms for industrial applications. The operation range is from +25°C to +10°C while the achievable humidity range varies from 60% to 80%

- Reproduction of customized drying and ageing cycles to guarantee the treatment of products in all seasons with any external climatic variation
- Efficient air handling unit made of AISI 304 stainless steel
- Equipped with removable panels for easy access to the components completely contained within the body
- The units are precharged with refrigerant and complete with liquid receiver, taps, safety valve, filter drier and sight glass



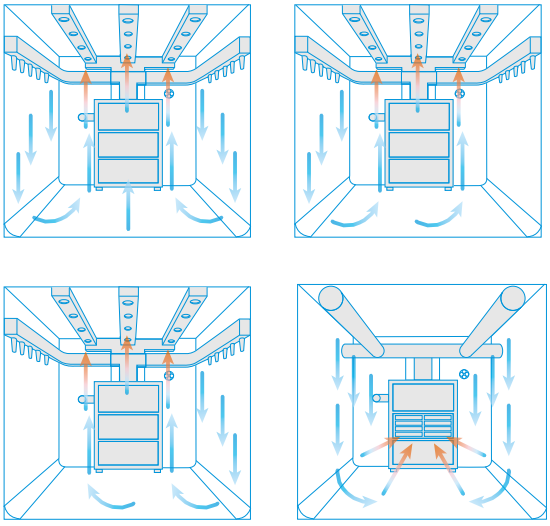
Standard configuration

- Hermetic compressor
- Liquid Receiver
- Safety valve
- Liquid receiver shut off valves
- Filter dryer
- Sight glass
- Four-pole condenser fan
- Horizontal air flow remote condenser
- Thermostatic expansion valve
- Evaporator centrifugal fan
- T duct for air distribution (galvanised sheet) complete with motorized flap
- Air suction duct
- Condensing unit with refrigerant charge
- Electronic control board
- Electronic thermostat for unit control
- Switchboard with protection fuses
- Thermal overload protection for compressor
- Connection joints for air treatment unit/condenser
- Adjustable calibration Hp switch with automatic reset
- Adjustable calibration Lp switch with automatic reset
- Condenser fan speed regulator with pressure control
- Humidity control during dehumidification with heat recovery postheating
- Temperature control with electrical heating
- Humidity control with automatic water inlet
- Crankcase heater
- Fresh air intake

For customized options, please contact your sales representative.

Air distribution systems with textile channels

The UAV industrial drying units are equipped with large and efficient evaporators with centrifugal fan, capable of generating air flow from 1.500 to 14.600m³/h.
This allows, thanks to the special galvanized sheet T-shaped ducts designed according to the room dimensions, an optimized distribution of the treated air in the room suitable for the required process.
The T-shaped ducts are complete with motorized damper.



		SB. UAV002ER01B	SB. UAV003ER01B	SB. UAV004ER01B	SB. UAV005ER01B	SB. UAV007ER01B	SB. UAV010ER01B	SB. UAV015ER01B	SB. UAV020ER01B	SB. UAV025ER01B	SB. UAV030ER01B
Refrigerant		R449A									
Power supply	V/Ph~/Hz	380-400/3N~/50									
HP compressor		2	3	4	5	7.5	10	15	20	25	30
Cold room volume	m³	20	30	40	60	75	90	130	160	180	200
Product quantity	kg	400	800	1,200	1,600	2,000	2,400	3,200	4,800	6,400	8,000
PED category		2									
Working temperature	°C	+25 ÷ +10									
Range RH	%	60-80									
Cooling capacity [TC=10°C | TA=30°C]	Watt	7,200	10,600	13,000	14,400	27,000	33,000	38,000	45,500	59,000	68,000

Air handling units for industrial ageing

The USV series models are refrigeration units designed for seasoning processes of cured meats and hams and for treating cheeses with the need of temperature and relative humidity control in medium-large rooms for industrial applications.The operation range is from +25°C to +10°C while the achievable hu-midity range varies from 60% to 80%.

- Reproduction of customized drying and ageing cycles, to guarantee the production in all seasons with any external climatic variation
- Efficient air handling unit made of AISI 304 stainless steel
- Equipped with removable panels for easy access to the components completely contained within the body
- The units are precharged with refrigerant and complete with liquid receiver, taps, safety valve, filter drier and sight glass

Standard configuration

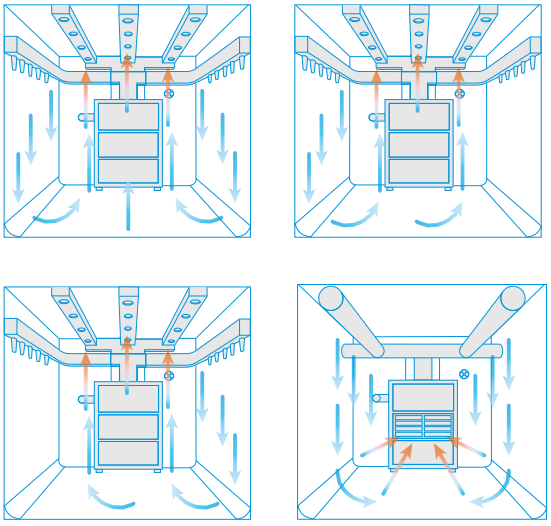
- Hermetic compressor
- Liquid Receiver
- Safety valve
- Liquid receiver shut off valves
- Filter dryer
- Sight glass
- Four-pole condenser fan
- Horizontal air flow remote condenser
- Thermostatic expansion valve
- Evaporator centrifugal fan
- T duct for air distribution (galvanised sheet) complete with motorized flap
- Air suction duct
- Condensing unit with refrigerant charge
- Electronic control board
- Electronic thermostat for unit control
- Switchboard with protection fuses
- Thermal overload protection for compressor
- Connection joints for air treatment unit/condenser
- Adjustable calibration Hp switch with automatic reset
- Adjustable calibration Lp switch with automatic reset
- Condenser fan speed regulator with pressure control
- Humidity control during dehumidification with heat recovery postheating
- Temperature control with electrical heating
- Humidity control with automatic water inlet
- Crankcase heater
- Fresh air intakeCrankcase heater
- Fresh air intake

For customized options,
please contact your sales representative.



Air distribution systems with textile channels

The USV industrial drying units are equipped with large and efficient evaporators with centrifugal fan, capable of generating air flow from 1.500 to 14.600m³/h.
This allows, thanks to the special galvanized sheet T-shaped ducts designed according to the room dimensions, an optimized distribution of the treated air in the room suitable for the required process.
The T-shaped ducts are complete with motorized damper.



		SB. USV002ER01B	SB. USV003ER01B	SB. USV004ER01B	SB. USV005ER01B	SB. USV007ER01B	SB. USV010ER01B	SB. USV015ER01B	SB. USV020ER01B	SB. USV025ER01B	SB. USV030ER01B
Refrigerant		R449A									
Power supply	V/Ph~/Hz	380-400/3N~/50									
HP compressor		2	3	4	5	7.5	10	15	20	25	30
Cold room volume	m³	75	90	120	180	225	240	390	490	550	680
Product quantity	kg	1,200	2,400	3,600	5,400	7,200	9,000	10,800	14,400	19,200	24,000
PED category		2									
Working temperature	°C	+25 ÷ +10									
Range RH	%	60-80									
Cooling capacity [TC=10°C | TA=30°C]	Watt	7,200	10,600	13,000	14,400	27,000	33,000	38,000	45,500	59,000	68,000



Condensing units

Condensing unit for commercial refrigeration with reciprocating technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact



JEHCCU-CM1/CM3

More details and final information can be found by scanning or clicking the QR codes.

JEHCCU-CM3 JEHCCU-CM1

Medium Temperature Refrigeration				JEHCCU-CM1/CM3		0040CM1	0050CM1	0051CM1	0063CM1	0067CM1	0077CM1	0095CM1	0100CM1	0113CM1	0140CM1	0170CM1	0140CM3	0170CM3
Refrigerating capacity	Medium temperature (1)	R-134a	Nom	kW		0.59	-	0.89	1.06	-	1.29	1.60		-		-	-	-
		R-407A	Nom	kW		-	0.80		-	1.07		-	1.33	1.66	1.92	-	1.92	-
		R-407F	Nom	kW		-	0.86		-	1.15		-	1.41	1.74	2.08	-	2.08	-
		R-448A	Nom	kW		-	0.87		-	1.12		-	1.35	1.64	2.15	2.57	2.15	2.57
		R-449A	Nom	kW		-	0.87		-	1.12		-	1.35	1.64	2.15	2.57	2.15	2.57
		R-452A	Nom	kW		-	0.95		-	1.23		-	1.48	1.79	2.20	2.69	2.20	2.69
Seasonal energy performance ratio SEPR	R-134a	Te -10°C				1.50	-	1.77	1.77	-	1.85	1.86		-			-	-
	R-407A	Te -10°C				-	1.59		-	1.62		-	1.66	1.78	1.74	-	1.66	-
	R-407F	Te -10°C				-	1.77		-	1.76		-	1.77	1.85	1.93	-	1.85	-
	R-448A	Te -10°C				-	1.66		-	1.64		-	1.64	1.71	2.09	1.73	2.00	1.76
	R-449A	Te -10°C				-	1.66		-	1.64		-	1.64	1.71	2.09	1.73	2.00	1.76
	R-452A	Te -10°C				-	1.67		-	1.67		-	1.68	1.73	1.92	1.65	1.83	1.73
Parameters at full load and ambient temp. 25°C	R-134a	Te -10°C	Declared COP (COP2)			1.84	-	2.01	2.05	-	2.22	2.30		-			-	
	R-407A	Te -10°C	Declared COP (COP2)			-	1.69		-	1.69		-	1.74	1.90	1.87	-	2.09	-
	R-407F	Te -10°C	Declared COP (COP2)			-	1.93		-	1.94		-	1.95	2.07	2.22	-	1.78	-
	R-448A	Te -10°C	Declared COP (COP2)			-	1.91		-	1.90		-	1.89	1.95	2.42	1.93	2.11	2.01
	R-449A	Te -10°C	Declared COP (COP2)			-	1.91		-	1.90		-	1.89	1.95	2.42	1.93	2.32	2.01
	R-452A	Te -10°C	Declared COP (COP2)			-	1.90		-	1.90		-	1.90	1.98	2.18	1.85	2.32	1.99
Parameters at full load and ambient temp. 32°C (Point A)	R-134a	Te -10°C	Rated COP (COPA)			1.5	-	1.77	1.77	-	1.85	1.86		-		-	-	-
	R-407A	Te -10°C	Rated COP (COPA)			-	1.59		-	1.62		-	1.66	1.78	1.74	-	1.66	-
	R-407F	Te -10°C	Rated COP (COPA)			-	1.77		-	1.76		-	1.77	1.85	1.93	-	1.85	-
	R-448A	Te -10°C	Rated COP (COPA)			-	1.66		-	1.64		-	1.64	1.71	2.09	1.73	2.00	1.76
	R-449A	Te -10°C	Rated COP (COPA)			-	1.66		-	1.64		-	1.64	1.71	2.09	1.73	2.00	1.76
	R-452A	Te -10°C	Rated COP (COPA)			-	1.67		-	1.67		-	1.68	1.73	1.92	1.65	1.83	1.73
	R-134a	Te -10°C	Rated cooling capacity (PA)		kW	0.59	-	0.89	1.06	-	1.29	1.60		-		-	-	-
	R-407A	Te -10°C	Rated cooling capacity (PA)		kW	-	0.80		-	1.07		-	1.33	1.66	1.92	-	1.92	-
	R-407F	Te -10°C	Rated cooling capacity (PA)		kW	-	0.86		-	1.15		-	1.41	1.74	2.08	-	2.08	-
	R-448A	Te -10°C	Rated cooling capacity (PA)		kW	-	0.87		-	1.12		-	1.35	1.64	2.15	2.57	2.15	2.57
	R-449A	Te -10°C	Rated cooling capacity (PA)		kW	-	0.87		-	1.12		-	1.35	1.64	2.15	2.57	2.15	2.57
	R-452A	Te -10°C	Rated cooling capacity (PA)		kW	-	0.95		-	1.23		-	1.48	1.79	2.20	2.69	2.20	2.69
	R-134a	Te -10°C	Rated power input (DA)		kW	0.39	-	0.50	0.60	-	0.70	0.86		-		-	-	-
	R-407A	Te -10°C	Rated power input (DA)		kW	-	0.50		-	0.66		-	0.80	0.94	1.11	-	1.16	-
	R-407F	Te -10°C	Rated power input (DA)		kW	-	0.49		-	0.65		-	0.79	0.94	1.07	-	1.12	-
	R-448A	Te -10°C	Rated power input (DA)		kW	-	0.53		-	0.68		-	0.82	0.96	1.03	1.49	1.08	1.46
	R-449A	Te -10°C	Rated power input (DA)		kW	-	0.53		-	0.68		-	0.82	0.96	1.03	1.49	1.08	1.46
	R-452A	Te -10°C	Rated power input (DA)		kW	-	0.57		-	0.74		-	0.88	1.03	1.15	1.63	1.20	1.55
Parameters at full load and ambient temp. 43°C	R-134a	Te -10°C	Declared COP (COP3)			1.42	-	1.40	1.40	-	1.49	1.50		-		-	-	-
	R-407A	Te -10°C	Declared COP (COP3)			-	1.42				-				1.56	-	1.47	-
	R-407F	Te -10°C	Declared COP (COP3)			-	1.46				-				1.58	-	1.49	-
	R-448A	Te -10°C	Declared COP (COP3)			-	1.27		-	1.26		-	1.25	1.33	1.62	1.42	1.53	1.43
	R-449A	Te -10°C	Declared COP (COP3)			-	1.27		-	1.26		-	1.25	1.33	1.62	1.42	1.53	1.43
	R-452A	Te -10°C	Declared COP (COP3)			-	1.31		-	1.32		-	1.34	1.37	1.52	1.35	1.44	1.39
	R-134a	Te -10°C	Cooling capacity (P3)		kW		-	0.75	0.86	-	1.06	1.34		-		-	-	
	R-407A	Te -10°C	Cooling capacity (P3)		kW		0.75				-				1.79	-	1.78	
	R-407F	Te -10°C	Cooling capacity (P3)		kW		0.79				-				1.85	-	1.84	
	R-448A	Te -10°C	Cooling capacity (P3)		kW	-	0.73		-	0.91		-	1.10	1.34	1.79	2.23	1.77	2.20
	R-449A	Te -10°C	Cooling capacity (P3)		kW	-	0.73		-	0.91		-	1.10	1.34	1.79	2.23	1.77	2.20
	R-452A	Te -10°C	Cooling capacity (P3)		kW	-	0.80		-	1.01		-	1.23	1.46	1.83	2.28	1.81	2.26
	R-134a	Te -10°C	Power input (D3)		kW	0.36	-	0.53	0.62	-	0.71	0.89		-		-	-	-
	R-407A	Te -10°C	Power input (D3)		kW	-	0.53				-				1.15	-	1.21	-
	R-407F	Te -10°C	Power input (D3)		kW	-	0.54				-				1.17	-	1.23	-
	R-448A	Te -10°C	Power input (D3)		kW	-	0.58		-	0.73		-	0.88	1.01	1.11	1.57	1.16	1.54
	R-449A	Te -10°C	Power input (D3)		kW	-	0.58		-	0.73		-	0.88	1.01	1.11	1.57	1.16	1.54
	R-452A	Te -10°C	Power input (D3)		kW	-	0.61		-	0.77		-	0.92	1.06	1.20	1.69	1.26	1.62
Dimensions	Unit	HeightxWidthxDepth			mm	607x876x420									662x1,101x444			
Weight	Unit				kg	49		57		56	58		57	58	67	68	67	68
Compressor	Type					Reciprocating compressor												
	Piston displacement				m^3/h	1.8		3.18	3.79	2.64	4.51	5.69	3.18	4.21	4.52	4.52	4.52	4.52
Fan	Type					Axial												
Sound pressure level	Nom.				dBA	28									32	33	32	33
Piping connections	Liquid line connection				inch	1/4"				3/8"								
	Suction line connection				inch	3/8"				1/2"					5/8		5/8	
Refrigerant	Type/GWP					R-134a/ 1,430	R-452A/ 2,141	R-134a/1,430		R-452A/ 2,141	R-134a/1,430		R-452A/2,141			R-452A/ 2,141	R-407A/ 2,107	R-452A/ 2,141
	Type 2 - GWP Type 2					-	R-407A/ 2,107	-		R-407A/ 2,107	-		R-407A/2,107			R-448A/ 1,387	R-407F/ 1,825	R-448A/ 1,387
	Type 3 - GWP Type 3					-	R-407F/ 1,825	-		R-407F/ 1,825	-		R-407F/1,825			R-449A/ 1,397	R-448A/ 1,387	R-449A/ 1,397
	Type 4 - GWP Type 4					-	R-448A/ 1,387	-		R-448A/ 1,387	-		R-448A/ 1,387	R-449A/ 1,397	R-448A/ 1,387	-	R-449A/ 1,397	-
	Type 5 - GWP Type 5					-	R-449A/ 1,397	-		R-449A/ 1,397	-		R-449A/ 1,397	-	R-449A/ 1,397	-	R-452A/ 1,397	-
	GWP Type 6					-											2,140.0	-
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50 /230											3~/50 /400	

(1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and Return Gas 20°C (medium temperature application) | (2) Average sound pressure level is measured at 10m in anechoic room

Condensing unit for commercial refrigeration with scroll technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact



JEHSCU-CM1/CM3

JEHSCU-CM1 JEHSCU-CM3

Medium Temperature Refrigeration				JEHSCU-CM1/CM3	0200CM1	0250CM1	0300CM1	0200CM3	0250CM3	0300CM3	0350CM3	0360CM3	0400CM3	0500CM3	0600CM3	0680CM3	0800CM3	1000CM3
Refrigerating capacity	Medium temperature (1)	R-134a	Nom	kW	2.13	-		2.24	-		3.48	3.80	4.37	-	-	-	8.21	10.75
		R-407A	Nom	kW	3.48	4.09	-	3.45	4.05	4.69	-	5.77	6.76	8.28	9.54	10.7	12.95	-
		R-407F	Nom	kW	3.33	3.82	4.63	3.33	3.94	4.58	-	5.73	6.75	8.18	9.59	-	12.9	-
		R-407H	Nom	kW		-		3.30	3.76	4.51	-	-	5.96	-	9.24	10.3	12.3	-
		R-448A	Nom	kW	3.33	3.82	4.73	3.33	3.82	4.73	5.46	5.76	6.37	7.88	9.45	10.5	12.8	15.85
		R-449A	Nom	kW	3.33	3.82	4.73	3.33	3.82	4.73	5.46	5.76	6.37	7.88	9.45	10.5	12.8	15.85
Seasonal energy performance ratio SEPR	R-134a	Te -10°C			1.92	-		2.19	-		2.08	2.36	2.36	-	-	-	3.10	3.37
	R-407A	Te -10°C			2.18	2.06	-	2.12	1.99	1.92	-	3.48	3.79	3.21	3.19	2.96	3.12	-
	R-407F	Te -10°C			1.92	1.83	1.74	1.88	1.83	1.69	-	3.22	3.49	3.07	3.12	-	2.95	-
	R-407H	Te -10°C				-		1.93	2.02	1.80	-	3.15	3.03	-	2.90	2.68	3.24	-
	R-448A	Te -10°C			2.02	1.93	1.85	2.02	1.93	1.85	2.72	3.02	3.13	2.97	3.22	2.96	2.88	2.83
	R-449A	Te -10°C			2.02	1.93	1.85	2.02	1.93	1.85	2.72	3.02	3.13	2.97	3.22	2.96	2.88	2.83
Annual electricity consumption Q	R-134a	Te -10°C									-						16,257	19,586
	R-407A	Te -10°C		kWh/a				-				10,187	10,973	15,848	18,408	22,240	25,491	-
	R-407F	Te -10°C		kWh/a				-				10,933	11,873	16,401	18,903	-	26,882	-
	R-407H	Te -10°C		kWh/a				-				10,664	12,082	-	19,576	23,664	-	
	R-448A	Te -10°C		kWh/a			-				12,363	11,736	12,512	16,305	18,395	22,298	27,302	34,432
	R-449A	Te -10°C		kWh/a			-				12,363	11,736	12,512	16,305	18,395	22,298	27,302	34,432
Parameters at full load and ambient temp. 25°C	R-134a	Te -10°C	Declared COP (COP2)		2.21	-		2.62	-		2.46	2.86	2.90			-		
	R-407A	Te -10°C	Declared COP (COP2)		2.61	2.44	-	2.55	2.36	2.26					-			
	R-407F	Te -10°C	Declared COP (COP2)		2.46	2.33	2.21	2.39	2.29	2.14					-			
	R-407H	Te -10°C	Declared COP (COP2)			-		2.37	2.48	2.21					-			
	R-448A	Te -10°C	Declared COP (COP2)		2.53	2.32	2.23	2.53	2.32	2.23					-			
	R-449A	Te -10°C	Declared COP (COP2)		2.53	2.32	2.23	2.53	2.32	2.23					-			
Parameters at part load and ambient temp. 25°C (Point B)	R-134a	Te -10°C	Declared COP (COPB)								-						2.49	2.7
	R-407A	Te -10°C	Declared COP (COPB)					-				2.77	2.90	2.60	2.51	2.37	2.55	-
	R-407F	Te -10°C	Declared COP (COPB)					-				2.53	2.66	2.36	2.39	-	2.5	-
	R-407H	Te -10°C	Declared COP (COPB)					-				2.47	2.37	-	2.32	2.17	2.68	-
	R-448A	Te -10°C	Declared COP (COPB)				-				2.18	2.56	2.51	2.41	2.39	2.18	2.33	2.26
	R-449A	Te -10°C	Declared COP (COPB)				-				2.18	2.56	2.51	2.41	2.39	2.18	2.33	2.26
Parameters at full load and ambient temp. 32°C (Point A)	R-134a	Te -10°C	Rated COP (COPA)		1.92	-		2.19	-		2.08	2.36	2.36	-	-	-	2.2	2.21
	R-407A	Te -10°C	Rated COP (COPA)		2.18	2.06	-	2.12	1.99	1.92	-	2.24	2.28	2.11	2.05	1.93	2.08	-
	R-407F	Te -10°C	Rated COP (COPA)		1.92	1.83	1.74	1.88	1.83	1.69	-	1.97	2.10	1.88	1.91	-	2.1	-
	R-407H	Te -10°C	Rated COP (COPA)			-		1.93	2.02	1.80	-		1.89	-	1.92	1.78	2.2	-
	R-448A	Te -10°C	Rated COP (COPA)		2.02	1.93	1.85	2.02	1.93	1.85	1.77	2.04	1.98	1.78	1.96	1.79	2.05	1.83
	R-449A	Te -10°C	Rated COP (COPA)		2.02	1.93	1.85	2.02	1.93	1.85	1.77	2.04	1.98	1.78	1.96	1.79	2.05	1.83
	R-134a	Te -10°C	Rated cooling capacity (PA)	kW	2.13	-		2.24	-		3.48	3.80	4.37	-	-	-	8.21	10.75
	R-407A	Te -10°C	Rated cooling capacity (PA)	kW	3.48	4.09	-	3.45	4.05	4.69	-	5.77	6.76	8.28	9.54	10.7	12.95	-
	R-407F	Te -10°C	Rated cooling capacity (PA)	kW	3.33	3.82	4.63	3.33	3.94	4.58	-	5.73	6.75	8.18	9.59	-	12.9	-
	R-407H	Te -10°C	Rated cooling capacity (PA)	kW	-	-	-	3.30	3.76	4.51	-	-	5.96	-	9.24	10.3	12.3	-
	R-448A	Te -10°C	Rated cooling capacity (PA)	kW	3.33	3.82	4.73	3.33	3.82	4.73	5.46	5.76	6.37	7.88	9.45	10.5	12.8	15.85
	R-449A	Te -10°C	Rated cooling capacity (PA)	kW	3.33	3.82	4.73	3.33	3.82	4.73	5.46	5.76	6.37	7.88	9.45	10.5	12.8	15.85
	R-134a	Te -10°C	Rated power input (DA)	kW	1.11	-		1.03	-		1.68	1.61	1.85	-	-	-	3.74	4.86
	R-407A	Te -10°C	Rated power input (DA)	kW	1.60	1.99	-	1.63	2.04	2.45	-	2.58	2.97	3.93	4.65	5.54	6.24	-
	R-407F	Te -10°C	Rated power input (DA)	kW	1.74	2.09	2.66	1.78	2.16	2.71	-	2.91	3.21	4.36	5.03	-	6.13	-
	R-407H	Te -10°C	Rated power input (DA)	kW		-		1.71	1.86	2.50	-		3.15	-	4.82	5.79	5.58	-
	R-448A	Te -10°C	Rated power input (DA)	kW	1.65	1.98	2.56	1.65	1.98	2.56	3.09	2.83	3.22	4.43	4.83	5.85	6.23	8.68
	R-449A	Te -10°C	Rated power input (DA)	kW	1.65	1.98	2.56	1.65	1.98	2.56	3.09	2.83	3.22	4.43	4.83	5.85	6.23	8.68
Parameters at full load and ambient temp. 43°C	R-134a	Te -10°C	Declared COP (COP3)		1.42			-			1.52			-			1.59	1.60
	R-448A	Te -10°C	Declared COP (COP3)		1.31	1.36	1.31	1.31	1.36	1.31	1.26	1.41	1.37	1.24	1.42	1.32	-	
	R-449A	Te -10°C	Declared COP (COP3)		1.31	1.36	1.31	1.31	1.36	1.31	1.26	1.41	1.37	1.24	1.42	1.32	-	
	R-134a	Te -10°C	Cooling capacity (P3)	kW	1.87			-			3.06			-			7.26	9.46
	R-448A	Te -10°C	Cooling capacity (P3)	kW	2.80	3.35	4.12	2.80	3.35	4.12	4.78	4.99	5.57	6.79	8.29	9.25	-	-
	R-449A	Te -10°C	Cooling capacity (P3)	kW	2.80	3.35	4.12	2.80	3.35	4.12	4.78	4.99	5.57	6.79	8.29	9.25	-	-
	R-134a	Te -10°C	Power input (D3)	kW	1.32			-			2.02			-			4.56	5.92
	R-448A	Te -10°C	Power input (D3)	kW	2.14	2.47	3.14	2.14	2.47	3.14	3.78	3.54	4.08	5.46	5.82	7.00	-	
	R-449A	Te -10°C	Power input (D3)	kW	2.14	2.47	3.14	2.14	2.47	3.14	3.78	3.54	4.08	5.46	5.82	7.00	-	
Parameters at part load and ambient temp. 15°C (Point C)	R-134a	Te -10°C	Declared COP (COPC)					-				3.71	4.02	3.43	-		3.26	3.58
	R-407A	Te -10°C	Declared COP (COPC)					-				3.46	3.69	3.24	3.35	3.13	3.34	-
	R-407F	Te -10°C	Declared COP (COPC)					-				3.34	3.22	-	3.3	-	3.14	-
	R-407H	Te -10°C	Declared COP (COPC)					-				3.18	3.34	3.20	3.06	2.84	3.47	-
	R-448A	Te -10°C	Declared COP (COPC)				-				2.88	3.18	3.34	3.20	3.15	2.85	3.02	3.01
	R-449A	Te -10°C	Declared COP (COPC)				-				2.88				3.15	2.85	3.26	3.01
Parameters at part load and ambient temp. 5°C (Point D)	R-134a	Te -10°C	Declared COP (COPD)					-				4.85	5.41	4.40	-		4.25	4.66
	R-407A	Te -10°C	Declared COP (COPD)					-				4.48	5.05	4.43	4.49	4.1	4.25	-
	R-407F	Te -10°C	Declared COP (COPD)					-				4.45	4.3	-	4.5	-	3.90	-
	R-407H	Te -10°C	Declared COP (COPD)					-				4.05	4.32	4.12	4.03	3.67	4.36	-
	R-448A	Te -10°C	Declared COP (COPD)				-				3.77		-		4.05	3.68	3.92	3.96
	R-449A	Te -10°C	Declared COP (COPD)				-				3.77	4.05	4.32	4.12	4.05	3.68	3.92	3.96
Dimensions	Unit	HeightxWidthxDepth		mm	662x1,101x444							872x1,353x575					1,727x1,348x641	
Weight	Unit			kg	70	72	74	70	72	74	74	112	119	123	125	126	222	226
Compressor	Type				Reciprocating compressor						Scroll compressor	Reciprocating compressor						
	Piston displacement			m^3/h	5.9	6.8	8.6	5.9	6.8	8.6	9.9	9.9	11.4	14.4	17.1	18.8	22.1	29.1
Fan	Type				Axial													
Sound pressure level	Nom.			dBA	33	34	36	33	34	36	39	37	37	38	40	40	43	43
Piping connections	Liquid line connection			inch	3/8"									1/2"			3/4"	
	Suction line connection			inch	3/4"							3/4"	7/8"		11/8"			1 3/8"
Refrigerant	Type/GWP				R-134a/1,430	R-407A/2,107	R-407A/2,107	R-134a/1,430	R-407A/2,107	R-407A/2,107	R-134a/1,430.0	R-134a/1,430	R-134a/1,430	R-407A/2,107	R-407A/2,107	R-407A/2,107	R-134a/1,430	R-134a/1,430
	Type 2 - GWP Type 2				R-407A/2,107	R-407F/1,825	R-448A/1,387	R-407A/2,107	R-407F/1,825	R-407F/1,825	-	R-407A/2,107	R-407A/2,107	R-407F/1,825	R-407F/1,825	R-407H/1,495.0	R-407A/2,107	R-448A/1,387
	Type 3 - GWP Type 3				R-407F/1,825	R-448A/1,387	R-449A/1,397	R-407F/1,825	R-407H/1,495.0	R-407H/1,495.0	-	R-407F/1,825	R-407F/1,825	R-448A/1,387	R-407H/1,495.0	R-448A/1,387	R-407F/1,825	R-449A/1,397
	Type 4 - GWP Type 4				R-448A/1,387	R-449A/1,397	-	R-407H/1,495.0	R-448A/1,387	R-448A/1,387	-	R-407H/1,495	R-407H/1,495.0	R-449A/1,397	R-448A/1,387	R-449A/1,397.0	R-407H/1,495	-
	Type 5 - GWP Type 5				R-449A/1,397	-		R-448A/1,387	R-449A/1,397.0	R-449A/1,397.0	-	R-448A/1,387	R-448A/1,387	-	R-449A/1,397.0	-	R-448A/1,387	-
	Type 6 - GWP Type 6				-			R-449A/1,397.0	-			R-449A/1,397.0	R-449A/1,397.0	-			R-449A/1,397	-
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230			3~/50 /400										

(1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and Return Gas 20°C (medium temperature application) | (2) Average sound pressure level is measured at 10m in anechoic room

Condensing unit for commercial refrigeration with scroll / reciprocating technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact



JEHCCU/SCU-CL1/CL3

JEHCCU-CL1 JEHSCU-CL3

Low Temperature Refrigeration			JEHCCU-CL1/JEHSCU-CL3		0115CL1	0135CL1	0180CL3	0210CL3	0300CL3	0400CL3	0500CL3	0600CL3	0750CL3	0950CL3 EVI
Refrigerating capacity	Medium temperature (1)	R-407A	Nom	kW			-			2.29	2.77	3.31	4.29	4.96
		R-407F	Nom	kW			-			2.38	2.87	-		4.88
		R-448A	Nom	kW		-	0.98	1.36	1.62	2.53	-	3.49	4.81	4.86
		R-449A	Nom	kW		-	0.98	1.36	1.62	2.53		-		4.86
		R-452A	Nom	kW	0.64	0.81	1.13	1.53			-			
Seasonal energy performance ratio SEPR	R-407A	Te -35°C					-			1.67	1.67	1.64	-	1.76
	R-407F	Te -35°C					-			1.65	1.64	-		1.63
	R-448A	Te -35°C				-	1.00	1.00	0.97	1.67	-	1.64	1.64	1.76
	R-449A	Te -35°C				-	1.00	1.00	0.97	1.67	-	1.64	1.64	1.76
	R-452A	Te -35°C			1.05	0.98	1.07	1.05			-			
Annual electricity consumption Q	R-407A	Te -35°C		kWh/a			-			10,212	12,364	15,026	-	20,958
	R-407F	Te -35°C		kWh/a			-			10,730	13,018	-		22,348
	R-448A	Te -35°C		kWh/a			-			11,276	-	15,878	21,856	20,551
	R-449A	Te -35°C		kWh/a			-			11,276	-	15,878	21,856	20,551
Parameters at full load and ambient temp. 25°C	R-448A	Te -35°C	Declared COP (COP2)			-	1.15	1.09	1.16			-		
	R-449A	Te -35°C	Declared COP (COP2)			-	1.15	1.09	1.16			-		
	R-452A	Te -35°C	Declared COP (COP2)		1.20	1.15	1.26	1.25			-			
Parameters at part load and ambient temp. 25°C (Point B)	R-407A	Te -35°C	Declared COP (COPB)				-			1.24	1.25	1.35	-	1.51
	R-407F	Te -35°C	Declared COP (COPB)				-			1.23	1.23	-		1.35
	R-448A	Te -35°C	Declared COP (COPB)				-			1.30	-	1.29	1.43	1.42
	R-449A	Te -35°C	Declared COP (COPB)				-			1.30	-	1.29	1.43	1.42
Parameters at full load and ambient temp. 32°C (Point A)	R-407A	Te -35°C	Rated COP (COPA)				-			0.98	0.97	0.93	1.03	1.26
	R-407F	Te -35°C	Rated COP (COPA)				-			0.95	0.93	-		1.08
	R-448A	Te -35°C	Rated COP (COPA)			-	1.00	1.00	0.97	1.02	-	0.83	1.18	1.24
	R-449A	Te -35°C	Rated COP (COPA)			-	1.00	1.00	0.97	1.02	-	0.83	1.18	1.24
	R-452A	Te -35°C	Rated COP (COPA)		1.05	0.98	1.08	1.05			-			
	R-407A	Te -35°C	Rated cooling capacity (PA)	kW			-			2.29	2.77	3.31	4.29	4.96
	R-407F	Te -35°C	Rated cooling capacity (PA)	kW			-			2.38	2.87	-		4.88
	R-448A	Te -35°C	Rated cooling capacity (PA)	kW		-	0.98	1.36	1.62	2.53	-	3.49	4.81	4.86
	R-449A	Te -35°C	Rated cooling capacity (PA)	kW		-	0.98	1.36	1.62	2.53	-	3.49	4.81	4.86
	R-452A	Te -35°C	Rated cooling capacity (PA)	kW	0.64	0.81	1.13	1.53			-			
	R-407A	Te -35°C	Rated power input (DA)	kW			-			2.33	2.85	3.57	4.17	3.94
	R-407F	Te -35°C	Rated power input (DA)	kW			-			2.51	3.08	-		4.51
	R-448A	Te -35°C	Rated power input (DA)	kW		-	0.98	1.36	1.67	2.48	-	4.19	4.08	3.93
	R-449A	Te -35°C	Rated power input (DA)	kW		-	0.98	1.36	1.67	2.48	-	4.19	4.08	3.93
	R-452A	Te -35°C	Rated power input (DA)	kW	0.61	0.83	1.06	1.47			-			
Parameters at full load and ambient temp. 43°C	R-407A	Te -35°C	Declared COP (COP3)				-			0.67	0.66	0.64	0.73	-
	R-407F	Te -35°C	Declared COP (COP3)				-			0.62	-	-		-
	R-448A	Te -35°C	Declared COP (COP3)				-			0.68	-	0.46	0.81	-
	R-449A	Te -35°C	Declared COP (COP3)				-		0.68	0.68	-	0.46	0.81	-
	R-452A	Te -35°C	Declared COP (COP3)		0.82	0.71	-				-			
	R-407A	Te -35°C	Cooling capacity (P3)	kW			-			2.01	2.40	2.88	3.79	-
	R-407F	Te -35°C	Cooling capacity (P3)	kW			-			2.04		-		
	R-448A	Te -35°C	Cooling capacity (P3)	kW			-			2.23	-	2.82	4.26	-
	R-449A	Te -35°C	Cooling capacity (P3)	kW			-		1.43	2.23	-	2.82	4.26	-
	R-452A	Te -35°C	Cooling capacity (P3)	kW	0.49	0.57	-				-			
	R-407A	Te -35°C	Power input (D3)	kW			-			2.98	3.64	4.48	5.20	-
	R-407F	Te -35°C	Power input (D3)	kW			-			3.30		-		
	R-448A	Te -35°C	Power input (D3)	kW			-			3.29	-	6.15	5.28	-
	R-449A	Te -35°C	Power input (D3)	kW			-		2.11	3.29	-	6.15	5.28	-
	R-452A	Te -35°C	Power input (D3)	kW	0.60	0.81	-				-			
Parameters at part load and ambient temp. 15°C (Point C)	R-407A	Te -35°C	Declared COP (COPC)				-			1.69	1.69	1.68	-	1.74
	R-407F	Te -35°C	Declared COP (COPC)				-			1.68	1.69	-		1.67
	R-448A	Te -35°C	Declared COP (COPC)				-			1.75	-	1.78	1.71	1.75
	R-449A	Te -35°C	Declared COP (COPC)				-			1.75	-	1.78	1.71	1.75
Parameters at part load and ambient temp. 5°C (Point D)	R-407A	Te -35°C	Declared COP (COPD)				-			2.25	2.25	2.1	-	2.13
	R-407F	Te -35°C	Declared COP (COPD)				-			2.22	2.2	-		1.97
	R-448A	Te -35°C	Declared COP (COPD)				-			2.14	-	2.06	1.94	2.18
	R-449A	Te -35°C	Declared COP (COPD)				-			2.14	-	2.06	1.94	2.18
Dimensions	Unit	Height x Width x Depth		mm	607x876x420	606x876x430	662x1,101x444			872x1,353x575			1,727x1,348x605	
Weight	Unit			kg	55	61	83	81	78	132	132	133	203	200
Compressor	Type				Reciprocating compressor									
	Piston displacement			m^3/h	4.55	6	9.45	11.83	8	11.8	14.5	17.1	21.4	17.1
Fan	Type				Axial									
Sound pressure level	Nom.			dBA	31	27	38		33	37	39	41		37
Piping connections	Liquid line connection			inch	3/8"					1/2"				
	Suction line connection			inch	1/2"		5/8"		3/4"	7/8"				
Refrigerant	Type/GWP				R-404A/3,921.6	R-404A/3,922	R-448A/1,387	R-448A/1,387	R-404A/3,922	R-404A/3,922	R-404A/3,922	R-404A/3,922	R-404A/3,922	R-404A/3,922
	Type 2 - GWP Type 2				-	R-452A/2,141	R-449A/1,397	R-449A/1,397	R-449A/1,397	R-407A/2,107	R-407A/2,107	R-407A/2,107	R-448A/1,387	R-407A/2,107
	Type 3 - GWP Type 3				-		R-452A/2,141	R-452A/2,141	-	R-407F/1,825	R-407F/1,825	R-449A/1,397	R-449A/1,397	R-407F/1,825
	Type 4 - GWP Type 4						-			R-448A/1,387		-		R-448A/1,387
	Type 5 - GWP Type 5						-			R-449A/1,397		-		R-449A/1,397
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230		3~/50 /400							

1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -35°C and Return Gas 20°C (low temperature application) | (2) Average sound pressure level is measured at 10m in anechoic room |
* Condition with high discharge temperature



Condensing units with inverter driven compressor

High reliability, low cost and easy installation

- Evaporating working temperatures from +5°C to -20°C
- Power control box with magnetothermic switches
- Thermal protection
- Electronic controller (Dixell)
- Inverter driven compressor
- Power supply 380-400/3N~/50
- Oil separator
- Condenser fans speed regulator with pressure probe
- Liquid receiver with safety valve and liquid line
- HP and LP pressure switches
- Crankase heater
- Antivibration on suction and discharge line
- Condenser with 6 poles axial fans
- Condensing unit under nitrogen pressure
- Condensation type: air with axial fan
- Refrigerating system configuration: crankcase heater, pressure controlled condenser fan speed regulator, oil separator



CU2 CU3

- Electrical box: power control box with thermal protection and capacity regulation
- Soundproofing: double noise insulation (residential)

					GCI	GCI2010B3B1D4R	GCI2020B3B1D4R	GCI2022B3B1D4R	GCI2030B3B1D4R	GCI2040B3B1D4R	GCI3050B3B1D4R	GCI3060B3B1D4R	GCI4120B3B1D4R
Frame type						2					3		4
Power supply				V/ph~/Hz		380-400/3N~/50							
Max absorbed current (70Hz)				A		2.7	3.6	4.1	5.6	7.2	8.4	10.3	13.3
Max absorbed power (70Hz)				kW		1.3	1.8	2.1	3.0	4.0	4.7	5.8	7.8
Working temperature				°C		+5 ÷ -20							
Compressor	Type					Semihermetic							
	Brand					Bitzer							
	Model					2HES-1Y	2FES-2Y	2EES-2Y	2CES-3Y	4EES-4Y	4DES-5Y	4CES-6Y	4PES-12Y
	Refrigerant					R134a							
Condenser	Fin pitch			mm		2.1							
	Fans nr.					1					2		
	Fans ø			mm		450							
	Model			ph/p		1ph-6P							
	Air flow			m3/h		2,943			2,701		5,850		5,366
	Noise pressure level at 10 m (50Hz)			dB(A)		33	34	35	35	39	40	41	42
Connections	Suction			Ø mm		16	18	22	22	28	28	35	35
	Liquid			Ø mm		10					12		
	Standard liquid receiver			lt		5.7					10		21
	PED category					1					2		
	Unit net weight			kg		160	170	193	195	210	225	230	300
Cooling capacity	Min./Max.	Tev 5°C	Tamb 20°C	kW		2.63/6.01	3.81/8.43	4.65/10.19	6.6/14.04	8.66/17.46	10.65/22.27	12.72/25.72	18.23/34.95
			Tamb 25°C	kW		2.49/5.68	3.56/7.89	4.37/9.59	6.22/13.23	8.14/16.4	10/20.91	11.95/24.16	17.02/32.63
			Tamb 30°C	kW		2.34/5.36	3.32/7.35	4.1/8.99	5.84/12.42	7.62/15.35	9.35/19.56	11.18/22.61	15.83/30.35
			Tamb 35°C	kW		2.2/5.04	3.08/6.82	3.83/8.4	5.47/11.63	7.1/14.31	8.71/18.22	10.42/21.07	14.66/28.11
			Tamb 40°C	kW		2.07/4.72	2.84/6.28	3.56/7.82	5.09/10.84	6.59/13.28	8.07/16.89	9.66/19.54	13.52/25.91
			Tamb 45°C	kW		1.93/4.41	2.6/5.76	3.3/7.24	4.72/10.05	6.08/12.26	7.44/15.57	8.91/18.02	12.4/23.77
		Tev 0°C	Tamb 20°C	kW		2.18/4.99	3.18/7.04	3.9/8.55	5.59/11.89	7.44/15	9/18.84	10.86/21.97	15.72/30.14
			Tamb 25°C	kW		2.06/4.71	2.97/6.58	3.66/8.03	5.26/11.19	6.98/14.08	8.45/17.69	10.2/20.63	14.66/28.11
			Tamb 30°C	kW		1.94/4.44	2.76/6.12	3.43/7.52	4.94/10.51	6.53/13.17	7.9/16.54	9.55/19.31	13.62/26.11
			Tamb 35°C	kW		1.82/4.16	2.56/5.67	3.2/7.02	4.62/9.83	6.09/12.27	7.36/15.39	8.9/17.99	12.59/24.14
			Tamb 40°C	kW		1.7/3.89	2.36/5.22	2.97/6.52	4.3/9.16	5.65/11.38	6.81/14.25	8.25/16.68	11.58/22.21
			Tamb 45°C	kW		1.58/3.62	2.16/4.78	2.75/6.03	3.99/8.49	5.21/10.5	6.27/13.13	7.6/15.37	10.6/20.33
		Tev -5°C	Tamb 20°C	kW		1.79/4.09	2.61/5.79	3.22/7.06	4.66/9.92	6.3/12.69	7.5/15.69	9.14/18.47	13.32/25.55
			Tamb 25°C	kW		1.69/3.86	2.44/5.4	3.02/6.62	4.38/9.33	5.91/11.91	7.04/14.73	8.58/17.35	12.41/23.8
			Tamb 30°C	kW		1.59/3.62	2.27/5.02	2.82/6.19	4.11/8.75	5.52/11.14	6.58/13.76	8.03/16.23	11.51/22.06
			Tamb 35°C	kW		1.48/3.39	2.1/4.64	2.63/5.77	3.85/8.18	5.14/10.37	6.12/12.8	7.48/15.12	10.61/20.35
			Tamb 40°C	kW		1.38/3.16	1.93/4.27	2.44/5.35	3.58/7.62	4.77/9.61	5.66/11.85	6.93/14.02	9.74/18.67
			Tamb 45°C	kW		1.28/2.93	1.76/3.91	2.25/4.94	3.32/7.06	4.39/8.86	5.21/10.9	6.39/12.92	8.88/17.03
		Tev -10°C	Tamb 20°C	kW		1.45/3.31	2.11/4.68	2.62/5.74	3.82/8.13	5.25/10.57	6.14/12.84	7.55/15.26	11.07/21.22
			Tamb 25°C	kW		1.36/3.11	1.97/4.36	2.45/5.37	3.59/7.65	4.92/9.91	5.76/12.05	7.09/14.34	10.29/19.74
			Tamb 30°C	kW		1.27/2.91	1.83/4.05	2.29/5.01	3.37/7.17	4.6/9.26	5.38/11.26	6.64/13.42	9.52/18.25
			Tamb 35°C	kW		1.19/2.72	1.69/3.74	2.13/4.66	3.15/6.7	4.28/8.62	5/10.46	6.18/12.5	8.75/16.78
			Tamb 40°C	kW		1.1/2.52	1.55/3.43	1.97/4.32	2.93/6.23	3.96/7.98	4.62/9.67	5.73/11.58	8/15.33
			Tamb 45°C	kW		1.02/2.33	1.42/3.14	1.81/3.98	2.71/5.77	3.64/7.34	4.25/8.88	5.28/10.67	7.26/13.91
		Tev -20°C	Tamb 20°C	kW		1.15/2.63	1.68/3.71	2.08/4.57	3.08/6.55	4.29/8.66	4.93/10.32	6.12/12.38	8.99/17.24
			Tamb 25°C	kW		1.08/2.47	1.56/3.45	1.95/4.27	2.89/6.14	4.02/8.11	4.63/9.68	5.75/11.63	8.34/15.99
			Tamb 30°C	kW		1.01/2.3	1.44/3.2	1.81/3.98	2.7/5.75	3.75/7.57	4.32/9.03	5.38/10.88	7.68/14.73
			Tamb 35°C	kW		0.93/2.13	1.33/2.95	1.68/3.69	2.52/5.37	3.49/7.03	4.01/8.38	5.01/10.13	7.03/13.48
			Tamb 40°C	kW		0.86/1.97	1.22/2.7	1.55/3.41	2.34/4.99	3.22/6.49	3.7/7.74	4.64/9.38	6.38/12.23
			Tamb 45°C	kW		0.79/1.81	1.11/2.46	1.43/3.13	2.17/4.61	2.96/5.96	3.39/7.09	4.27/8.63	5.74/11
		Tev -15°C	Tamb 20°C	kW		0.9/2.06	1.3/2.89	1.63/3.57	2.43/5.16	3.45/6.96	3.89/8.13	4.87/9.85	7.12/13.66
			Tamb 25°C	kW		0.84/1.92	1.21/2.67	1.51/3.32	2.27/4.83	3.23/6.5	3.64/7.62	4.58/9.25	6.58/12.62
			Tamb 30°C	kW		0.78/1.78	1.11/2.47	1.4/3.08	2.12/4.51	3/6.05	3.39/7.1	4.28/8.65	6.02/11.55
			Tamb 35°C	kW		0.72/1.64	1.02/2.26	1.3/2.84	1.98/4.2	2.78/5.61	3.14/6.57	3.98/8.04	5.46/10.47
			Tamb 40°C	kW		0.66/1.5	0.93/2.07	1.19/2.61	1.83/3.9	2.56/5.16	2.89/6.04	3.67/7.42	4.9/9.39
			Tamb 45°C	kW		0.6/1.36	0.85/1.88	1.09/2.38	1.69/3.59	2.34/4.72	2.63/5.51	3.36/6.8	4.34/8.32

Condensing units with inverter driven compressor

High reliability, low cost and easy installation

- Evaporating working temperatures from -15°C to -40°C
- Power control box with magnetothermic switches
- Thermal protection
- Electronic controller (Dixell)
- Inverter driven compressor
- Power supply 380-400/3N~/50
- Oil separator
- Condenser fans speed regulator with pressure probe
- Liquid receiver with safety valve and liquid line
- HP and LP pressure switches
- Crankase heater
- Antivibration on suction and discharge line
- Condenser with 6 poles axial fans
- Condensing unit under nitrogen pressure
- Condensation type: air with axial fan
- Refrigerating system configuration: crankcase heater, pressure controlled condenser fan speed regulator, oil separator



CU2 CU3

- Electrical box: power control box with thermal protection and capacity regulation
- Soundproofing: double noise insulation (residential)

					HCI	HCI2015B2B1D4R	HCI2018B2B1D4R	HCI2020B2B1D4R	HCI2030B2B1D4R	HCI2050B2B1D4R	HCI3060B2B1D4R	HCI4120B2B1D4R	HCI4140B2B1D4R
Frame type						2					3	4	
Power supply				V/ph~/Hz		380-400/3N~/50							
Max absorbed current (70Hz)				A		3.0	3.4	4.3	6.0	7.4	10.1	11.8	14.5
Max absorbed power (70Hz)				kW		1.4	1.7	2.2	3.1	4.2	5.6	6.8	8.5
Working temperature				°C		-15 ÷ -40							
Compressor	Type					Semihermetic							
	Brand					Bitzer							
	Model					2GES-2Y	2FES-2Y	2DES-2Y	4FES-3Y	4DES-5Y	4CES-6Y	4PES-12Y	4NES-14Y
	Refrigerant					R449A							
Condenser	Fin pitch			mm		2.1							
	Fans nr.					1					2		
	Fans ø			mm		450							
	Model			ph/p		1ph-6P							
	Air flow			m3/h		2,943			2,701		5,850	5,366	
	Noise pressure level at 10 m (50Hz)			dB(A)		34	35	36	37	40	42	45	48
Connections	Suction			Ø mm		16		22	28			35	42
	Liquid			Ø mm		10				12			
	Standard liquid receiver			lt		2.3		5.7			10	21	21
	PED category					1					2		
	Unit net weight			kg		170		193	208	215	242	330	335
Cooling capacity	Min./Max.	Tev 5°C	Tamb 20°C	kW		2.27/5.1	2.82/6.22	3.88/8.38	5.18/10.71	7.14/14.06	9.3/19.06	12.68/23.34	15.36/28.01
			Tamb 25°C	kW		2.1/4.73	2.61/5.77	3.6/7.77	4.8/9.92	6.6/13	8.63/17.68	11.65/21.44	14.12/25.76
			Tamb 30°C	kW		1.93/4.34	2.4/5.3	3.32/7.17	4.42/9.15	6.08/11.96	7.97/16.33	10.63/19.57	12.9/23.53
			Tamb 35°C	kW		1.76/3.95	2.18/4.82	3.05/6.58	4.06/8.4	5.57/10.96	7.33/15.02	9.63/17.73	11.7/21.33
			Tamb 40°C	kW		1.58/3.56	1.96/4.33	2.78/6	3.71/7.68	5.07/9.98	6.71/13.75	8.65/15.93	10.5/19.16
			Tamb 45°C	kW		1.41/3.16	1.74/3.84	2.51/5.43	3.38/6.98	4.59/9.04	6.11/12.52	7.7/14.17	9.33/17.01
		Tev 0°C	Tamb 20°C	kW		1.82/4.09	2.27/5.02	3.19/6.89	4.31/8.91	6/11.81	7.77/15.92	10.69/19.69	13.02/23.75
			Tamb 25°C	kW		1.68/3.79	2.1/4.64	2.94/6.36	3.98/8.22	5.53/10.88	7.19/14.73	9.79/18.02	11.95/21.79
			Tamb 30°C	kW		1.54/3.47	1.92/4.25	2.71/5.85	3.66/7.56	5.07/9.98	6.62/13.56	8.9/16.38	10.89/19.86
			Tamb 35°C	kW		1.4/3.15	1.74/3.85	2.47/5.34	3.34/6.91	4.63/9.11	6.07/12.43	8.03/14.78	9.84/17.95
			Tamb 40°C	kW		1.25/2.82	1.55/3.43	2.24/4.85	3.04/6.29	4.2/8.27	5.53/11.34	7.18/13.21	8.81/16.06
			Tamb 45°C	kW		1.1/2.48	1.36/3.01	2.02/4.36	2.75/5.69	3.79/7.46	5.02/10.29	6.34/11.68	7.79/14.21
		Tev -5°C	Tamb 20°C	kW		1.43/3.21	1.79/3.96	2.57/5.55	3.52/7.27	4.94/9.73	6.38/13.07	8.83/16.25	10.82/19.73
			Tamb 25°C	kW		1.32/2.97	1.65/3.65	2.37/5.11	3.24/6.69	4.54/8.93	5.88/12.05	8.04/14.81	9.9/18.06
			Tamb 30°C	kW		1.21/2.71	1.51/3.33	2.16/4.68	2.96/6.12	4.14/8.16	5.4/11.05	7.28/13.4	9/16.41
			Tamb 35°C	kW		1.09/2.45	1.36/3	1.97/4.25	2.69/5.57	3.77/7.41	4.93/10.09	6.53/12.02	8.1/14.77
			Tamb 40°C	kW		0.97/2.17	1.2/2.65	1.77/3.83	2.44/5.04	3.4/6.69	4.48/9.17	5.8/10.68	7.22/13.16
			Tamb 45°C	kW		0.84/1.89	1.04/2.29	1.58/3.42	2.19/4.53	3.05/6	4.04/8.28	5.09/9.37	6.35/11.58
		Tev -10°C	Tamb 20°C	kW		1.09/2.45	1.38/3.05	2.02/4.37	2.81/5.81	3.97/7.82	5.12/10.49	7.1/13.06	8.77/16
			Tamb 25°C	kW		1.01/2.27	1.27/2.8	1.85/4.01	2.57/5.32	3.63/7.15	4.7/9.63	6.43/11.84	8/14.59
			Tamb 30°C	kW		0.92/2.06	1.15/2.54	1.69/3.65	2.34/4.84	3.3/6.5	4.3/8.8	5.78/10.64	7.23/13.2
			Tamb 35°C	kW		0.82/1.84	1.03/2.27	1.52/3.29	2.12/4.38	2.98/5.86	3.9/8	5.14/9.47	6.48/11.82
			Tamb 40°C	kW		0.72/1.61	0.9/1.98	1.36/2.93	1.9/3.94	2.67/5.26	3.53/7.23	4.53/8.33	5.74/10.46
			Tamb 45°C	kW		0.61/1.37	0.76/1.67	1.2/2.59	1.7/3.51	2.38/4.68	3.16/6.48	3.92/7.22	5.01/9.13
		Tev -20°C	Tamb 20°C	kW		0.8/1.81	1.02/2.26	1.55/3.34	2.18/4.51	3.1/6.1	4/8.19	5.51/10.15	6.9/12.59
			Tamb 25°C	kW		0.74/1.66	0.94/2.07	1.41/3.04	1.98/4.1	2.81/5.54	3.65/7.48	4.95/9.12	6.25/11.41
			Tamb 30°C	kW		0.67/1.5	0.84/1.86	1.27/2.74	1.79/3.7	2.53/4.99	3.31/6.79	4.41/8.11	5.61/10.24
			Tamb 35°C	kW		0.59/1.32	0.74/1.64	1.13/2.45	1.61/3.32	2.27/4.46	2.99/6.13	3.87/7.13	4.98/9.09
			Tamb 40°C	kW		0.5/1.12	0.63/1.4	1/2.15	1.43/2.96	2.01/3.96	2.68/5.49	3.35/6.17	4.36/7.96
			Tamb 45°C	kW		0.41/0.92	0.51/1.13	0.86/1.86	1.26/2.61	1.77/3.48	2.38/4.88	2.85/5.25	3.75/6.85
		Tev -15°C	Tamb 20°C	kW		0.56/1.26	0.72/1.58	1.13/2.45	1.63/3.36	2.32/4.56	3/6.15	4.09/7.53	5.22/9.51
			Tamb 25°C	kW		0.51/1.14	0.65/1.44	1.02/2.2	1.46/3.03	2.08/4.09	2.72/5.57	3.62/6.67	4.68/8.53
			Tamb 30°C	kW		0.45/1.01	0.58/1.28	0.91/1.96	1.31/2.7	1.85/3.64	2.44/5.01	3.16/5.82	4.14/7.55
			Tamb 35°C	kW		0.38/0.86	0.5/1.1	0.79/1.71	1.16/2.39	1.63/3.2	2.18/4.46	2.72/5	3.61/6.59
			Tamb 40°C	kW		0.31/0.7	0.4/0.89	0.68/1.47	1.01/2.09	1.42/2.79	1.92/3.94	2.28/4.2	3.1/5.65
			Tamb 45°C	kW		0.23/0.52	0.3/0.66	0.57/1.23	0.87/1.8	1.22/2.39	1.68/3.45	1.86/3.43	2.59/4.73



ZEAS condensing unit for medium and low temperature refrigeration

Why choose ZEAS?

Whether it is restaurants, supermarkets or event halls – Zeas from Daikin is as individual as the requirements of the industries where it is used.

High energy efficiency

› Daikin DC inverter scroll compressor with economizer technology
› DC inverter fan technology
› Eco-design compliant

BENEFITS

› **Lower energy bills**
The use of Daikin proven DC technology results in lower energy bill compared to the use of standard ON/OFF units and even other capacity controller refrigeration units

› **Our units are future proof**
Combining Daikin innovating economizer technology with in house DC technology results in very high efficient units allowing us to outperformed the most severe eco-design minimum performance for the coming decades

Reliable operation

› Zeas condensing units are rigorously tested on the assembly line
› Proven inverter scroll technology
› Proven onboard innovating economizer technology
› Anti-corrosion treatment on the housing ensures long life even in extreme conditions

BENEFITS

› **Optimal food conservation**
Accurate temperature and humidity control can be easily suited to the requirements for different foods and beverages resulting in less waste of precious products

› **Longer lifetime expectation of our compressor**
Less thermal stress on our bearings and motor windings due to the implementation of Daikin High quality DC technology in our compressor

› **Longer lifetime expectations of our units**
The use of our innovating economizer technology in our units guarantee that our the compressor always operates within his operating envelop even in the most harvest conditions: excessive superheat at the inlet of the compressor resulting from improper quality of installation on the refrigerated cabinets side

› **No leaks**
Each new Daikin designed unit is put on a vibration plate in the factory to be sure that no leak and component damage can occur during transport. Even further, in the assemble line the Zeas unit undergo several leak test

› **No "dead on arrival"**
ALL units leaving the factory, have already run at the end of the assembly line

› **Lower installation cost**
Due to the use of the onboard economizer technology and the use of the correct low GWP refrigerant we only required the use of smaller pipes compared to other traditional systems, thus also lowered the refrigerant charge of the system



Small foot print and low weight

› Extremely compact and space-saving design
› Easy to install, even in the smallest spaces
› Indoor installation possible
› Best surface to capacity ration on the market
› Low weight thanks to compact design

BENEFITS

› **Only light weight supporting structures are required**

› **No installation restrictions anymore**
Our mini Zeas due to his compact design, light weight and very silent operation can be installed everywhere!

› **No special crane are required**
The ZEAS units are so compact that it can fit in an elevator

Peace of mind

› Quiet operation, unobtrusive for customers and neighbours
  - High grade sound on panels and compressors
  - Condenser fans designed to limit the noise
  - 4 low noise operation settings including night mode
› Wide temperature range allows multiple cabinet, freezer and cold room combinations

BENEFITS

› **Happy neighbours**
and no installation restrictions anymore
The focus on sound criteria during the design of the units results in the most silent unit(s) of the market (till 25 dB(A) @ 10 m free field conditions)

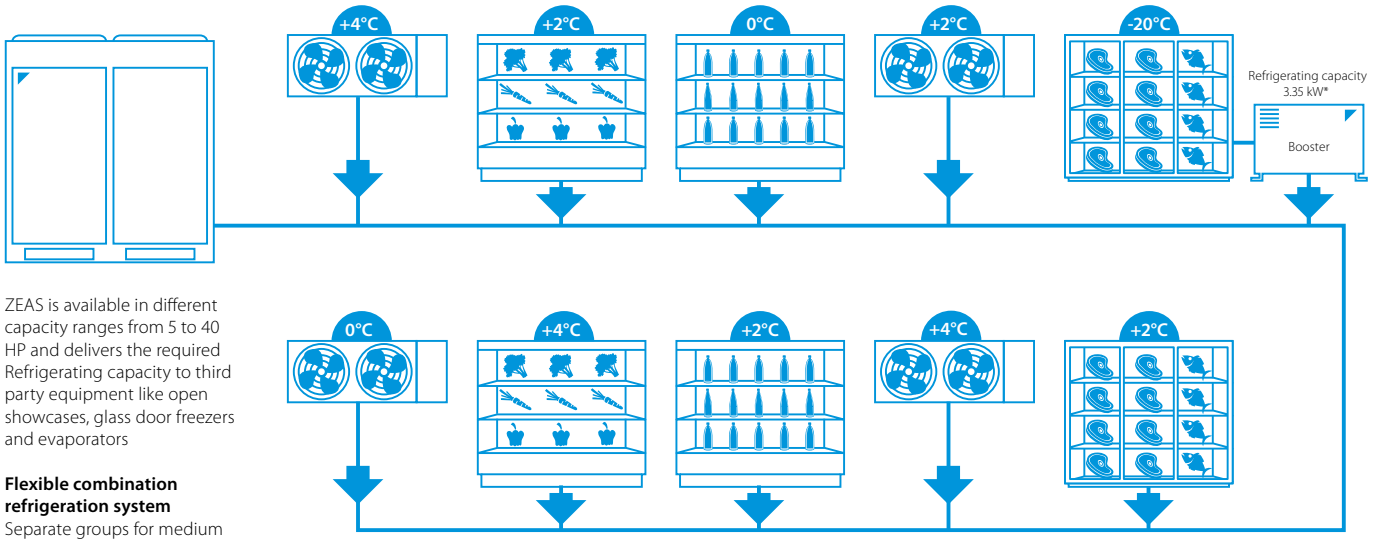
Intelligent control

› Unit can be connected to third party monitoring system
› Remote control of target evaporation temperature, reset errors and other functions
› Refrigeration unit can be controlled remotely through a power full interface

BENEFITS

› **Quick installation and commissioning**
Advanced software solution for easy system configuration and commissioning
› **Peace of mind**
Easy monitoring of ZEAS unit by third party Building Management Systems through the use of our Modbus interface

ZEAS, the smart choice for medium and low temperature refrigeration



ZEAS is available in different capacity ranges from 5 to 40 HP and delivers the required Refrigerating capacity to third party equipment like open showcases, glass door freezers and evaporators

Flexible combination refrigeration system
Separate groups for medium and low temperature cooling, each with multiple cabinets and different temperatures. This flexibility and energy savings of up to 50% are only possible with ZEAS-systems.

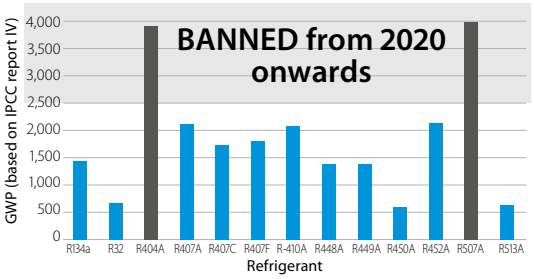
Operating range
Ambient temperatures: -20°C to +43 °C
Evaporating temperatures: -45°C to +10°C

* Te= -35°C, Tc = -10°C, 10 K SH, Tamb = 32°C
* Only Zeas. Not applicable for Mini-Zeas and Multi-Zeas

Why R-410A?

R-410A is a lower GWP refrigerant (less than 2,500) than R404A and is fully F-gas compliant. It's future proof: it can be used even after 2030!

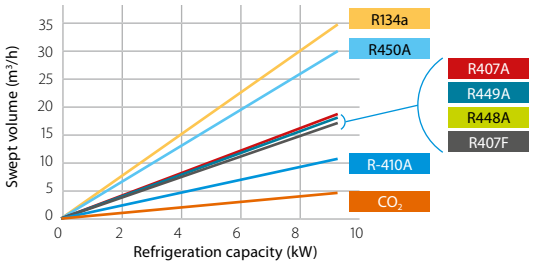
Use of refrigerant in refrigeration system with a refrigeration lower than 40 kW



Contributes to reducing installation cost and refrigerant charge

R-410A is a high pressure refrigerant which for the same swept volume can deliver much more refrigeration capacity than standard mid pressure and low pressure refrigerants.

Delivered capacity per used refrigerant

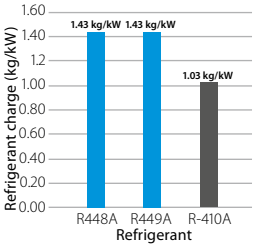


This means that for the same delivered refrigeration capacity we can use smaller components, thus reducing the installation cost and the amount of refrigerant charge in the system!

For a capacity of 8.4 kW (Te = -10°C / Tamb = 32°C)

Refrigerant	Suction piping diameter
R134a	1 1/8"
R407A	7/8"
R407F	7/8"
R448A	7/8"
R449A	7/8"
R450A	1 1/4"
R-410A	3/4"
CO_2	1/2"

Refrigerant charge per used refrigerant (Te = -10°C / Tamb = 32°C)



R-410A is also:

› an easy to handle, common used refrigerant in the air conditioning world, therefore it is easy to find an installer which can work with this refrigerant, compared to CO_2, Ammonia and Propane.
› an A1 refrigerant, therefore no special safety measurements are required.

INVERTER

Mini-ZEAS condensing unit

Refrigeration solution for small food retailers

- Inverter technology guarantees optimal food conservation by ensuring an accurate temperature and humidity control
- The economized scroll contributes to a longer lifetime expectation of the refrigeration equipment and less maintenance requirement
- The use of R-410A refrigerant allows the use of smaller piping diameters, thus reducing the refrigerant content in the system helping to lower our CO_2 footprint. R-410A is fully compliant with the latest F-Gas regulation and can be still used after 2020 and beyond
- The DC economized compressor improves drastically the efficiency of the unit, thus helps lowering the energy bill!
- Lowest sound level in the market down to 31 dBA. Sound level can be even further reduced thanks to the low noise modes
- The weight of the unit is very low, therefore the unit can even be mounted on the wall
- Up to 75% smaller than equivalent products in the market, ideal for those places where space is limited
- Advanced software solution for easy system configuration and commissioning



LRMEQ-BY1

More details and final information can be found by scanning or clicking the QR codes.

LRMEQ-BY1 LRLEQ-BY1

Medium Temperature Refrigeration				LRMEQ/LRLEQ	3BY1	4BY1	3BY1	4BY1
Connectable capacity	Minimum~Maximum			%	50~100			
Refrigerating capacity	Low	Nom.		kW	-		2.78 (1)	3.62 (1)
	Medium	Nom.		kW	5.90	8.40	-	
Power input	Low	Nom.		kW	-		2.60 (1)	3.41 (1)
	Medium	Nom.		kW	2.53	3.65	-	
COP	Medium	Nom.			2.33	2.30	-	
Seasonal energy performance ratio SEPR	R-410A	Te -10°C - Te -35°C			4.17	4.08	1.74	1.68
Annual electricity consumption Q	R-410A	Te -10°C - Te -35°C		kWh/a	8,698	12,651	11,920	16,048
Parameters at part load and ambient temp. 25°C (Point B)	R-410A	Te -10°C - Te -35°C	Declared COP (COPB)		2.93	2.87	1.26	1.23
Parameters at full load and ambient temp. 32°C (Point A)	R-410A	Te -10°C	Rated COP (COPA)		2.33	2.30	-	
		Te -35°C	Rated COP (COPA)		-		1.07	1.06
		Te -10°C - Te -35°C	Rated cooling capacity (PA)	kW	5.90	8.40	2.78	3.62
			Rated power input (DA)	kW	2.53	3.65	2.60	3.41
Parameters at full load and ambient temp. 43°C	R-410A	Te -10°C	Declared COP (COP3)		1.51	1.48	-	
		Te -35°C	Declared COP (COP3)		-		0.59	0.66
		Te -10°C - Te -35°C	Cooling capacity (P3)	kW	5.28	7.22	2.13	3.02
			Power input (D3)	kW	3.50	4.89	3.58	4.57
Parameters at part load and ambient temp. 15°C (Point C)	R-410A		Declared COP (COPC)		4.12	3.92	1.63	
Parameters at part load and ambient temp. 5°C (Point D)	R-410A		Declared COP (COPD)		5.15	5.20	2.13	1.98
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320			
Weight	Unit			kg	126		130	
Heat exchanger	Type				Cross fin coil			
Compressor	Type				Hermetically sealed scroll compressor			
	Starting method				Direct on line (inverter driven)			
Fan	Type				Propeller			
	Quantity				2			
	Air flow rate	Cooling	Nom.	m^3/min	106			
Fan motor	Output			W	70			
	Drive				Direct drive			
Sound pressure level	Nom.			dBA	51 (1)		51.0 (2)	
Piping connections	Liquid	OD		mm	9.52			
	Gas	OD		mm	19.1			
Refrigerant	Type/GWP				R-410A/2,087.5			
Refrigerant	Charge			kg/TCO2Eq	4.50/9.39		6.90/14.4	
	Control				Electronic expansion valve			
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415			

(1) Sound pressure data: measured at 1m in front of unit, at 1.5m height | (2)Cooling: evaporating temp. -35°C; outdoor temp. 32°C; suction SH10°C | Cooling: evaporating temp. -10°C; outdoor temp. 32°C; suction SH10°C

ZEAS condensing unit for commercial refrigeration with scroll technology

Refrigeration solution for medium to large capacity applications featuring proven VRV technology

- One model for all applications from -45°C to 10°C evaporating temperature
- Perfect solution for all cooling and freezing applications with variable load conditions and high energy efficiency requirements. In particular used in supermarkets, cold storage, blast coolers and freezers etc.
- DC inverter scroll compressor with economiser function results in high energy efficiency and reliable performance
- Reduced CO_2 emissions thanks to the use of R-410A refrigerant and low energy consumption
- Factory tested and pre-programmed for quick and easy installation and commissioning
- VRV (Variable Refrigerant Volume) technology for flexible application range
- Increased installation flexibility thanks to limited dimensions
- Low sound level including „night mode" operation
- For small freezing capacity, single ZEAS units can be connected to a booster unit
- Dedicated unit to allow multi combination of 2 x 15 HP or 2 x 20 HP resulting in less pipework or installation time



LREQ-BY1(R)

Available soon with CO_2 refrigerant

More details and final information can be found by scanning or clicking the QR codes.

LREQ-BY1

				LREQ-BY1	5	6	8	10	12	15	20
Refrigerating capacity	Low temperature	Nom.		kW	5.51 (1)	6.51 (1)	8.33 (1)	10.0 (1)	10.7 (1)	13.9 (1)	15.4 (1)
	Medium temperature	Nom.		kW	12.5 (2)	15.2 (2)	19.8 (2)	23.8 (2)	26.5 (2)	33.9 (2)	37.9 (2)
Power input	Low temperature	Nom.		kW	4.65 (1)	5.88 (1)	7.72 (1)	9.27 (1)	9.89 (1)	12.8 (1)	14.1 (1)
	Medium temperature	Nom.		kW	5.10 (2)	6.56 (2)	8.76 (2)	10.6 (2)	12.0 (2)	15.2 (2)	17.0 (2)
Seasonal energy performance ratio SEPR	R-410A	Te -10°C			3.86	3.79	3.64	3.42	3.51	3.38	3.23
		Te -35°C			1.80	1.77	1.84	1.88	1.80	1.70	1.70
Annual electricity consumption Q	R-410A	Te -10°C		kWh/a	19,907	24,681	33,483	42,794	46,377	61,683	72,030
		Te -35°C		kWh/a	22,805	27,453	33,817	39,747	44,363	61,090	67,325
Parameters at full load and ambient temp. 32°C (Point A)	R-410A	Te -10°C	Rated COP (COPA)		2.45	2.32	2.26	2.25	2.21	2.23	
		Te -35°C	Rated COP (COPA)		1.18	1.11		1.08		1.09	
Parameters at full load and ambient temp. 43°C	R-410A	Te -10°C	Declared COP (COP3)		1.54	1.57	1.40	1.46	1.47	1.46	1.51
		Te -35°C	Declared COP (COP3)		0.76	0.74	0.68	0.70	0.71		0.74
Dimensions	Unit	Height		mm	1,680						
		Width		mm	635		930			1,240	
		Depth		mm	765						
Weight	Unit			kg	166		242			331	337
Heat exchanger	Type				Cross fin coil						
Compressor	Type				Hermetically sealed scroll compressor						
	Output			W	2,600	3,200	2,100	3,000	3,400	2,600	3,400
	Piston displacement			m^3/h	11.18	13.85	19.68	23.36	25.27	32.24	35.8
	Speed			rpm	5,280	6,540	4,320	6,060	6,960	5,280	6,960
	Starting method				Direct on line (inverter driven)						
Compressor 2	Output			W	-		3,600				
	Speed			rpm	-		2,900				
Compressor 3	Output			W	-					3,600	
	Speed			rpm	-					2,900	
Fan	Type				Propeller fan						
	Quantity				1					2	
	Air flow rate	Cooling	Nom.	m^3/min	95	102	171	179	191	230	240
Fan motor	Output			W	350		750			350	750
	Drive				Direct drive						
Fan motor 2	Output			W	-					350	750
Sound pressure level	Nom.			dBA	55.0 (3)	56.0 (3)	57.0 (3)	59.0 (3)	61.0 (3)	62.0 (3)	63.0 (3)
Operation range	Evaporator	Cooling	Max.~Min.	°CDB	10~-45						
Refrigerant	Type / GWP				R-410A / 2,087.5						
	Charge			kg	5.2		7.9			11.5	
				TCO_2eq	10.9		16.5			24.0	
	Control				Electronic expansion valve						
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415						

		LREQ-BY1	30	40
System	Outdoor unit module 1		LREQ15BY1R	LREQ20BY1R
	Outdoor unit module 2		LREQ15BY1R	LREQ20BY1R
Refrigerating capacity	Medium temperature Nom.	kW	67.8 (1)	75.8 (1)
	Low temperature Nom.	kW	27.8	29.6
Power input	Medium temperature Nom.	kW	30.4	34.0
	Low temperature Nom.	kW	25.6	27.6
Sound pressure level	Nom.	dBA	65.0	66.0
Piping connections	Liquid		ø 19.05	
	Gas		ø 41.28	

(1) Cooling: evaporating temp. -10°C; outdoor temp. 32°C; suction SH10°C (2) Cooling: evaporating temp. -35°C; outdoor temp. 32°C; suction SH10°C (3) Sound pressure data: measured at 1m in front of unit, at 1.5m height | RLA is based on following conditions: outdoor temp. 32°CDB; suction SH 10°C; saturated temperature equivalent to suction pressure -10°C



CO_2 Condensing units

Hubbard Condensing units with CO_2 refrigerant

- Transcritical CO_2 Commercial Condensing Units for food retailers
- Wide range of capacities: 2 to 10HP MT
- Designed for quiet and energy-saving operation
- Inverter technology reduces energy consumption by up to 30%
- EC fans work efficiently and quietly
- Easy and flexible installation
- Designed as plug & play solutions



F-Gas Free

Protective Case

Plug&Play

Switchboard

Proportional Modulation

Electronic Control

More details and final information can be found by scanning or clicking the QR codes.

GCU-PXB1

Medium Temperature				GCU 2020 PXB1	GCU 2040 PXB1	GCU 4070PXB1
Capacity *			HP	2	4	10
	Min.		kW	1.80	3.25	6.25
	Max.			3.39	6.50	12.54
Power & Energy EcoDesign (2009/125/EC)			Ph./Hz./VAC	3PH / 50Hz / 400VAC		
	FLC		A	8.64	16.04	18.25
	COP/SEPR			1.87 / 3.57 SEPR	3.24 SEPR	2.92 SEPR
			kWh/a	5,840	12,307	26,393
Compressor	Compression			2 Stage (Intercooler)		
	Type			Panasonic Hermetic Rotary		
	Cap Ctrl.			ABB Frequency Inverter		
	RPM			2,200 ~ 4,200	2,200 ~ 4,800	1,800 ~ 3,600
	Qty.			1		
	Oil			DAPHNE PZ68S		
			l	0.7	1.15	1.80
Gas cooler fans	Type			Ebmpapst EC		
	Qty.			1		2
			m^3/s	1.05		2.10
	Ø (dia.)		mm	450		
Sound pressure	(10 m)		dB(A)	40.0	45.0	48.0
Refrigerant	Type/GWP			R744/1		
Reciever volume			l	12.50		20.00
Standard pipe run			m	25	35	40
Liquid connections		Inch/Type		3/8"/K65		1/2"/K65
Suction connections		Inch/Type		3/8"/K65	1/2"/K65	
Oil seperator	Standard			no	yes/Turboil	
Oil level control	Standard			N/A	Cappillary	
Dimensions	Unit	L x D x H	mm	1,452x574x799		1,684x773x1,438
Surface area			m^2	0.83		1.29
Weight			kg	151	155	285
Colour		RAL		Light Grey RAL 7035 (Powder Coated & Baked)		
Controller	Type			CAREL pRack pR300 Electronic Controller		
High side PRV			Bar	N/A	120	
Intermetdiate PRV			Bar	90		80
Compressor HP Switch		Standard		Yes x1		
PED 2014/68/EU	Category			Cat. III		

* Nominal Tevap. -10°C | Tamb +32°C | 10K Superheat

Hubbard Condensing units with CO_2 refrigerant

- Transcritical CO_2 Commercial Condensing Units for food retailers
- Wide range of capacities: 4 to 10HP LT
- Designed for quiet and energy-saving operation
- Inverter technology reduces energy consumption by up to 30%
- EC fans work efficiently and quietly
- Easy and flexible installation
- Designed as plug & play solutions



F-Gas Free

Protective Case

Plug&Play

Switchboard

Proportional Modulation

Electronic Control

More details and final information can be found by scanning or clicking the QR codes.

HCU-PXB1

Low Temperature				HCU2040PXB1	HCU4070PXB1
Capacity *			HP	4HP	10HP
	Min.		kW	1.7	3.3
	Max.			3.03	6.56
Power & Energy EcoDesign (2009/125/EC)			Ph./Hz./VAC	3PH/50Hz/400VAC	
	FLC		A	16.04	18.25
	COP/SEPR			1.5	1.55
			kWh/a	15,046	31,478
Compressor	Compression			2 Stage (Intercooler)	
	Type			Panasonic Hermetic Rotary	
	Cap Ctrl.			ABB Frequency Inverter	
	RPM			2,700 to 4,800	1,800 to 3,600
	Qty.			1	
	Oil			Daphne PZ68S	
			l	1.15	2.3
Gas cooler fans	Type			Ebmpapst EC	
	Qty.			1	
			m^3/s	1.05	2.1
	Ø (dia.)		mm	450	
Sound pressure	(10 m)		dB(A)	45	48
Refrigerant	Type/GWP			R744/1	
Reciever volume			l	12.5	20
Standard pipe run			m	35	40
Liquid connections		Inch/Type		3/8" (K65)	1/2" (K65)
Suction connections		Inch/Type		1/2" (K65)	
Oil seperator	Standard			Yes/Turboil	
Oil level control	Standard			Capillary	
Dimensions	Unit	L x D x H	mm	1,452x574x799	1,684x773x1,438
Surface area			m^2	0.83	1.29
Weight			kg	161	300
Colour		RAL		Light Grey RAL7035 (Powder Coated & Baked)	
Controller	Type			CAREL pRack pR300 Electronic Controller & Ultracap	
High side PRV			Bar	120	
Intermetdiate PRV			Bar	90	80
Compressor HP Switch		Standard		Yes x1	
PED 2014/68/EU	Category			Cat. III	

* Nominal Tevap -35°C | Tamb +32°C | 10K Superheat

Compact CO_2 transcritical

Compact compressor racks fully equipped with gas cooler (CO_2) to generate cold both with CO_2 transcritical cycle

- Double V battery (NV58 only).
- Greater exchange surface that allows a lower refrigerant flow and charge.
- A battery can act as an evaporator in case of heat demand and when cold generation is not required (optional rhx plus nv58).
- Electrical panel with controller and disconnect switch with external control.
- NV58 drivable EC fans.
- Reduced footprint.
- EPOXY resin treatment option for battery protection.
- Two independent modules to contain the compressors and the gas cooler
- Condenser with 5 mm tubes (high performance) and with low refrigerant charge.
- VF on the first compressor of each group.
- Gas cooler with EC fans and maximum pressure of 120 bar.
- Optional: up to 1 exchanger (RHX or IHX).
- It covers refrigeration services in one or two temperatures, working as a booster.
- Design pressures:
  - MP (MT Suction): 52 bar.
  - LP (LT Suction): 30 bar.
  - IP (Receiv. and liquid line): 70 bar.
  - HP (Discharge): 120 bar.



1 to 2 piston compressors

1 to 3 scroll compressors

Axial/Radial AC/EC versions

Outdoor unit [Axial]

Low noise level [Optional]

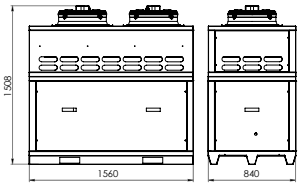
Electrical panel

Electronic control [Optional]

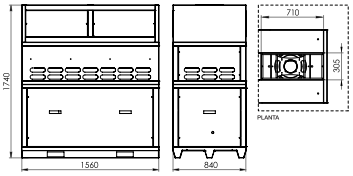
Proportional Modul. [Optional]

FNV42

Axial version

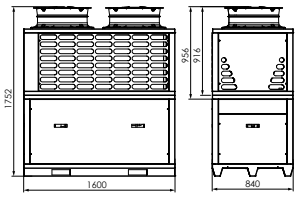


Radial version

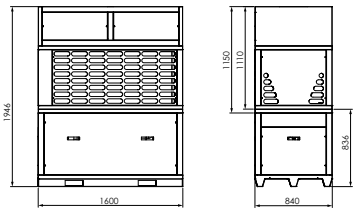


FNV58

Axial version



Radial version



NV42 CO_2				
Application		MT	MT + LT	
Cooling capacity	kW	12 kW	12 + 4 kW	18 + 4 kW
Number of compressors	nº	1	1 + 1	1 + 1
Inverter compressors	nº	1	1 + 0	1 + 0
Extra Equipment	Tipo	RHX	RHX	RHX
Recovery (max)	kW	13 kW	13 kW	13 kW

NV58 CO_2					
Application		MT		MT + LT	
Cooling capacity	kW	32 kW	36 kW	28 + 4 kW	32 + 4 kW
Number of compressors	nº	1	2	1 + 1	2 + 1
Inverter compressors	nº	1	1	1 + 0	1 + 0
Extra Equipment	Tipo	RHX	RHX	RHX	RHX
Recovery (max)	kW	23 kW	25 kW	23 kW	25 kW

* Calculation conditions: Tev MT -8ºC, Tev LT -32ºC, Tsgc +35ºC.

Compact CO_2 transcritical

Compact compressor racks fully equipped for cold generation with CO_2 in transcritical cycle

- Double V battery.
- Greater exchange surface, that allows a lower refrigerant flow and charge.
- Possibility of installing a heat recovery unit.
- Electrical panel with controller and disconnect switch with external control.
- Two independent modules to contain the compressors and the gas cooler.
- NV58 drivable EC fans.
- EPOXY resin treatment option for battery protection.
- Complete solution.
- Plug & Play.
- Indoor & outdoor.
- Gas Cooler included.
- 360° access.
- Compact equipment.
- Soundproofing.
- Selectable electronic brand.
- Condenser with 5 mm tubes (high performance) and with low refrigerant charge.
- Optional: proportional compressor.





Selectable electronic brand



NOVA66: 360° accessibility

RHX

RHX

PS 120 / 70 / 52 / 30 Bar

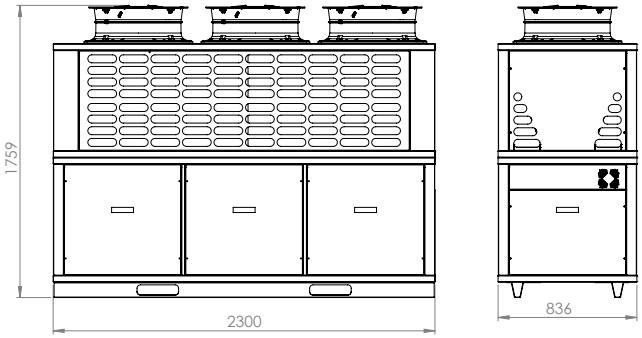
Plug & Play

Emergency unit

Compact design

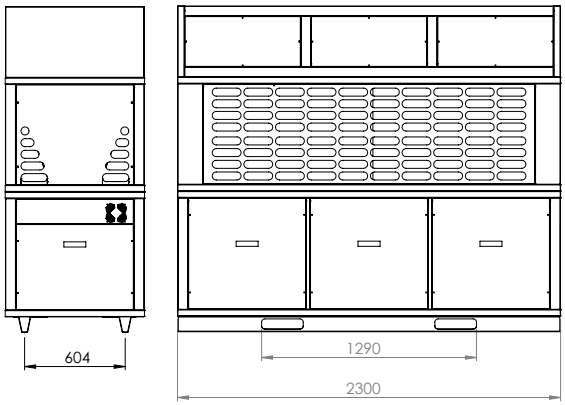
AXIAL VERSION NV66

Fans
› 3x Ø500 mm
Air flow
› 24.000 m³/h
Sound pressure at 10 m
› 46 up to 57 dB(A)



RADIAL VERSION NV66

Fans
› 3x Ø500 mm
Air flow
› 22.500 m³/h
Available pressure
› 100 Pa
Sound pressure at 10 m
› 50 up to 56 dB(A)



NV66 CO_2					
Application		MT		MT + CP	
Cooling capacity	kW	44 kW	54 kW	63 kW	40 + 4 kW
Number of compressors	nº	2	3	2 + 1	2 + 1
Inverter compressors	nº	1	1	1 + 1	1 + 0 (opt.)
Extra equipment	Tipo	IHX / RHX	IHX / RHX	IHX / RHX	IHX / RHX
Recovery (max)	kW	30 kW	38 kW	40 kW	30 kW

* Calculation conditions: Tev MT -8ºC, Tev LT -32ºC, Tsgc +35ºC.

Compact transcritical CO_2 compressor racks

Compact compressor racks fully equipped for cold generation with CO_2 in transcritical cycle



- Double V battery with great exchange surface and lower flow rate required.
- Two independent modules to contain the compressors and the gas cooler.
- 360° accessible.
- Up to 5 compressors.
- 3 air outlet configurations.
- Electrical panel with controller.
- Multiple possibilities of loading and transportation.
- Complete solution.
- Plug & Play.
- Indoor & outdoor.
- Gas Cooler included.
- 360° access.
- Compact equipment.
- Soundproofing.
- Selectable electronic brand.
- Parallel compressor (option).
- Oil separator accumulator.
- 90 l liquid receiver with internal exchanger for connection to the emergency unit.
- Two electronic refrigerant level sensors (high and low level).
- Emergency unit on board.
- Parallel compressor (option).
- Copper pipes and connections.
- Frequency inverter for the first MT compressor and optional for the LT compressor.
- Selectable electronic brands: Tewis (EWCM9000pro), Danfoss (AK-PC 772) or Carel (pRack PR300T).
- Axial/radial fans option.
- RHX option.
- Design pressures:
  - MP (MT Suction): 52 bar.
  - LP (LT Suction): 30 bar.
  - IP (Receiver and liquid line): 70 bar.
  - HP (Discharge): 120 bar.



Selectable electronic brand

RHX

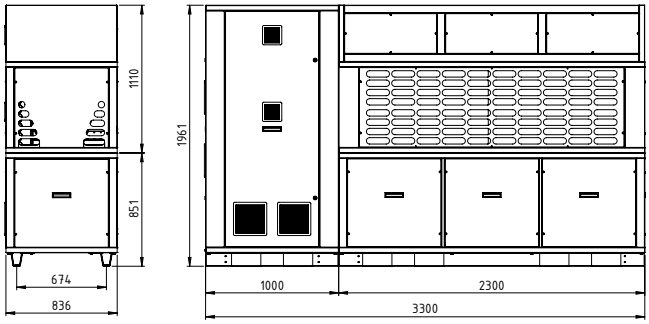
Emergency unit

PS 120 / 70 / 52 / 30 Bar

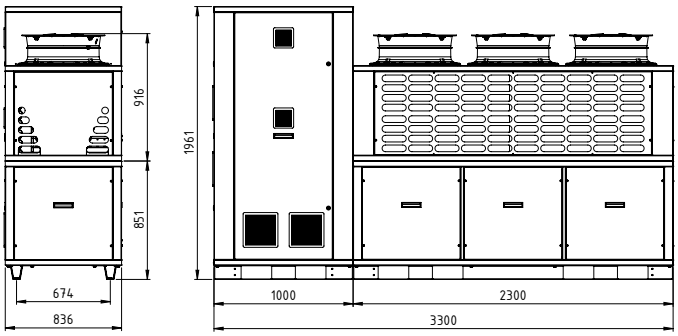
Compact design

Plug & Play

RADIAL VERSION



AXIAL VERSION



		GNV66**291XBX	GNV66**045XBX	TNV66**951YBX	TNV66**921YBX	TNV66**170XBX	TNV66**042XBX	TNV66**301XBX	TNV66**965YBX	TNV66**767XDX
Application		MT		MT + LT						
Compressor		Bitzer								Dorin
Capacity MT*	kW	47.37	70.05	43.44	49.33	66.12	46.52	63.31	28.42	37.27
Capacity LT*	kW	–	–	3.9	3.9	3.9	6.68	6.68	6.68	7.27
MT compressors		1x 4JTC-15K (V.F.) + 1x 4HTC-15K	1x 4JTC-15K (V.F.) + 2x 4HTC-15K	1x 4JTC-15K (V.F.) + 1x 4HTC-15K	1x 4MTC-10K (V.F.) + 2x 4KTC-10K	1x 4JTC-15K (V.F.) + 2x 4HTC-15K	1x 4MTC-10K (V.F.) + 2x 4KTC-10K	1x 4JTC-15K (V.F.) + 2x 4HTC-15K	1x 4MTC-10K (V.F.) + 1x 4KTC-10K	1x CD4120-9.2H (V.F.) + 1x CD490-9.2M
LT compressors		–	–	1x 2MSL-07K	1x 2MSL-07K	1x 2MSL-07K	2x 2MSL-07K	2x 2MSL-07K	2x 2MSL-07K	2x CDS101B

		TNV66**919YBX	TNV66**762XDX	TNV66**768XDX	TNV66**310XBX	TNV66**322XBX	TNV66**966YBX	TNV66**769XDX	TNV66**775XDX	TNV66**323XBX
Application		MT + LT								
Compressor		Bitzer	Dorin		Bitzer			Dorin		Bitzer
Capacity MT*	kW	44.96	26.44	34.8	42.09	58.88	23.99	30.85	41	55.82
Capacity LT*	kW	8.26	9.68	9.68	11.1	11.1	11.1	13.54	13.54	14.16
MT compressors		1x 4MTC-10K (V.F.) + 2x 4KTC-10K	1x CD490-6.4H (V.F.) + 1x CD490-9.2M	1x CD4120-9.2H (V.F.) + 1x CD490-9.2M	1x 4MTC-10K (V.F.) + 2x 4KTC-10K	1x 4JTC-15K (V.F.) + 2x 4HTC-15K	1x 4MTC-10K (V.F.) + 1x 4KTC-10K	1x CD4120-9.2H (V.F.) + 1x CD490-9.2M	1x CD490-6.4H (V.F.) + 2x CD490-9.2M	1x 4JTC-15K (V.F.) + 2x 4HTC-15K
LT compressors		1x 2JSL-2K	2x CDS151B	2x CDS151B	2x 2KSL-1K	2x 2KSL-1K	2x 2KSL-1K	2x CDS181B	2x CDS181B	2x 2JSL-2K

* Calculation conditions: Tev MT -8ºC, Tev LT -32ºC, Tsgc +35ºC.


cocoa
Egg yolk
Eigelb



Multi-compressor packs and racks

Compressor packs & racks

Multi compressor units

- ☑ Open frame for multi-compressors racks
- ☑ Three or four compressors on parallel
- ☑ Many different compressor types
  - › Hermetic Scroll (Brand: Copeland)
  - › Semihermetic reciprocating (Brand: Bitzer, Dorin, Copeland Stream & Frascold)
  - › Screw (Brand: J&E Hall (single screw) and Bitzer (twin screw)
    - Larger Refrigeration capacities or solution with screw compressors has to be selected from our technical department.
    - Consist in many models for medium and low temperature, with a refrigeration capacity up to 900,000 Watt.
- ☑ Compatible with latest refrigerants*

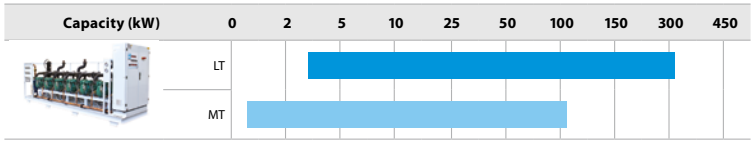


Standard features

- › Metal open frame with electrical switchboard
- › Compressor parallel with discharge and suction header
- › Liquid receiver
- › Liquid line
- › High and low pressure switch
- › Electrical switchboard complete with electronic control

Single Screw compressor

The single screw compressor consists of a main single screw and two gate rotors. They are designed for high capacities and optimal performances through the step less capacity control.



Most common used options:

- › Panels to close the frame and put it outside
- › Oil equalization through mechanical floating valve
- › Oil equalization through electronic valve
- › Oversized liquid receiver
- › Refrigerant charge

Other options available on request

*Note: Selection from Selection software based on R404A, R134a and R407F



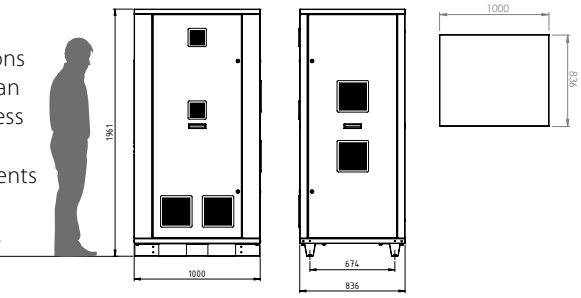
Compact CO_2 mini compressor racks

Mini compact compressor racks with less than 1 m^2 footprint, highly competitive, with CO_2 in transcritical cycle for cold generation

- Highly accessible front opening door with hinges.
- Lateral practicable door.
- Vertical liquid receiver with exchanger prepared for connection to the emergency unit.
- Practicable electrical panel with controller and complete wiring.
- Compatible with Tewis remote management systems.
- Adapted design for proper loading and transportation.
- Up to 2 MT compressors and 1 LT compressor.
- 360º access for easy maintenance.
- Oil separator accumulator.
- Two refrigerant level electronic sensors (high and low level).
- Frequency inverter for the first MT compressor and optional for the LT compressor.
- Optional frame for outdoor use.
- 48l liquid receiver, with internal exchanger for connection to the emergency unit.
- Optional connection to an external RHX. RHX can be installed on MT models.
- Emergency unit not included (junctions included). Required power: 280 W @R134a Tev +5°C.
- Selectable electronic brands: Tewis (EWCM9000pro), Danfoss (AK-PC 772) or Carel (pRack PR300T Medium).
- Bitzer & Dorin compressors.
- Design pressures:
  - MP (MT suction): 52 bar.
  - LP (LT suction): 30 bar.
  - IP (Receiver and liquid line): 70 bar.
  - HP (Discharge): 120 bar.



NS21



Reduced dimensions to allow an easy access to all the components of the machine.


360º access, with lateral practicable door.

RHX — RHX

Plug & Play — Plug & Play

Compact design — Compact design

PS 120 / 70 / 52 / 30 Bar — PS 120 / 70 / 52 / 30 Bar

Sound-proofing [Optional] — Sound-proofing [Optional]

< Maintan. costs — < Maintan. costs

BITZER		GNS21JC302XBX	GNS21JC872YBX	GNS21JC882YBX	TNS21JC304XBX	TNS21JC881YBX	TNS21JC880YBX
Application		MT			MT+LT		
Capacity MT*	kW	18.17	22.63	35.15	14.24	31.88	31.22
Capacity LT*	kW	-			3.90	3.23	3.90
GC needed	kW	32.08	39.96	62.08	32.08	62.08	62.08
MT Compressors	nº	1x 2MTE-5K + 1x 2KTE-7K	1x 4PTC-7K + 1x 4MTC-7K	1x 4MTC-10K + 1x 4KTC-10K	1x 2MTE-5K + 1x 2KTE-7K	1x 4MTC-10K + 1x 4KTC-10K	1x 4MTC-10K + 1x 4KTC-10K
LT Compressors	nº	-			1x 2MSL-07K	1x 2NSL-05K	1x 2MSL-07K
Lp**	dB(A)	38.7	46.7	47.3	39.4	47.4	47.4

DORIN		GNS21JC677XDX	GNS21JC684XDX	GNS21JC750XDX	TNS21JC670XDX	TNS21JC679XDX	TNS21JC678XDX	TNS21JC658XDX	TNS21JC753XDX	TNS21JC659XDX
Application		MT			MT+LT					
Capacity MT*	kW	25.58	36.35	44.71	21.07	27.93	30.33	31.83	34.05	40.19
Capacity LT*	kW	-			4.37	8.15	5.83	4.37	10.30	4.37
GC Capacity	kW	45.17	64.18	78.95	45.17	64.18			78.95	
MT Compressors	nº	1x CD475-4.7H + 1x CD475-6.4M	1x CD490-6.4H + 1x CD490-9.2M	1x CD4120-9.2H + 1x CD490-9.2M	1x CD475-4.7H + 1x CD475-6.4M	1x CD490-6.4H + 1x CD490-9.2M	1x CD490-6.4H + 1x CD490-9.2M	1x CD490-6.4H + 1x CD490-9.2M	1x CD4120-9.2H + 1x CD490-9.2M	1x CD4120-9.2H + 1x CD490-9.2M
LT Compressors	nº	-			1x CDS101B	1x CDS181B	1x CDS151B	1x CDS101B	1x CDS301B	1x CDS101B
Lp**	dB(A)	39.6	41.2	42.1	39.7	41.3			42.2	42.1

* Calculation conditions: Tev MT -8ºC, Tev LT -32ºC, Tsgc +35ºC. | **Sound pressure at 10m, considering a spherical surface, in open ground and with soundproofing. Tolerance ±2 dB.

AXIAL		GNV58PE	GNV58PE LPS	GNV66PE	GNV66PE LPS
Capacity	kW	58.84	52.15	88.4	79.27
Air flow	m³/h	16,400	12,800	24,000	19,200
Sound pressure 10m	dBA	52	46	53	45
Fans	nº	2x Ø500 EC		3x Ø500 EC	

RAD.		GNV58NE	GNV66NE
Capacity	kW	56.28	85.61
Air flow	m³/h	15,000	22,500
Sound pressure 10m	dBA	49	50
Fans	nº	2x Ø500 EC	3x Ø500 EC

* Calculation conditions: Air T. 35ºC, GC outlet 37ºC, Gas Inlet T. 115ºC, Gas Pressure 92 bar. Available pressure radial models. 100 Pa


GNV58 GNV66

CO_2 compact compressor rack

Compact compressor racks fully equipped for the generation of cold with CO_2 in transcritical cycle

- Horizontal liquid receiver: 92/120/160 lit.
- Tubular chassis.
- Electrical panel located above the compressors.
- Separator accumulator.
- Up to 6 compressors.
- Easy start-up and maintenance: all connections on the same side.
- Reduced width of 790 mm that allows it to pass through any standard door.
- Copper connections.
- Oil separator accumulator.
- 92/120/160 l liquid receiver, with internal exchanger for connection to emergency unit.
- Two electronic refrigerant level sensors (high and low levels).
- Frequency inverter for the first MT compressor and optional for the LT compressor.
- Selectable electronics brand: Tewis (EWCM9000pro), Danfoss (AK-PC 772 or 782) or Carel (pRack PR300T Medium or Large).
- All copper connections.
- Design pressures:
  - MP (MT suction): 52 bar.
  - LP (LT suction): 30 bar.
  - IP (Receiver and liquid line): 70 bar.
  - HP (Discharge): 120 bar.

RHX

Emergency unit

Plug & Play

PS 120 / 70 / 52 / 30 Bar

Compact design

40 to 140KW

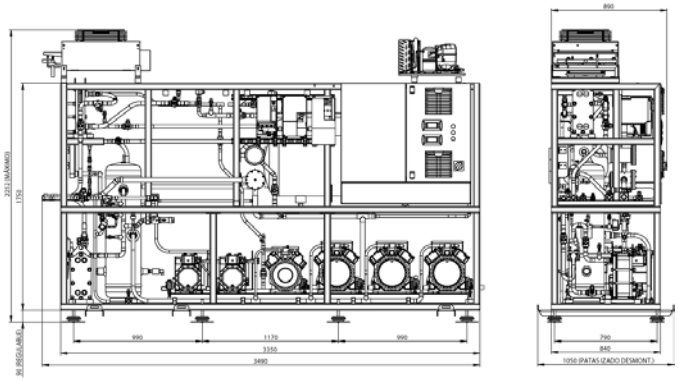
Receiver up to 160l



Smart Rack

Three different frame sizes available:

- 4 compressors: lenght 1,900 mm
- 5 compressors: lenght 2,650 mm
- 6 compressors: lenght 3,350 mm



			GSR2FJ_093YBX	GSR2FJ_041YBX	TSR2EJ_585XBX	TSR2FJ_092XBX	TSR2FJ_086YBX	TSR2FJ_089YBX
Application			MT		MT+LT			
Capacity MT*	70 Hz	kW	94.9	114.67	36.84	62.7	75.26	81.48
Capacity LT*	70 Hz	kW	-		5.79	6.48	6.48	6.48
MT Compressors		nº	1x 4JTE-15K (V.F.) + 2x 4JTE-15K	1x 4HTE-20K (V.F.) + 1x 4FTE-20K	1x 4JTE-15K (V.F.) + 1x 4JTE-15K	1x 4HTE-20K (V.F.) + 1x 4FTE-20K	1x 4HTE-20K (V.F.) + 2x 4HTE-20K	1x 4HTE-20K (V.F.) + 1x 4HTE-20K
Parallel Compressors		nº	1x 4MTE-10K	1x 4JTE-15K	-			1x 4MTE-10K
LT Compressors		nº	-		1x 2KSL-1K	1x 2KSL-1K	1x 2KSL-1K	1x 2KSL-1K

			TSR2FJ_439YBX	TSR2FJ_090YBX	TSR2FJ_490YBX	TSR2FJ_489YBX	TSR2EJ_112XBX	TSR2FJ_128XBX
Application			MT+LT					
Capacity MT*	70 Hz	kW	70.61	37.97	62.01	73.76	20.47	50.81
Capacity LT*	70 Hz	kW	11.1	12.7	14.16	14.16	18.5	18.33
MT Compressors		nº	1x 4HTE-20K (V.F.) + 2x 4HTE-20K	1x 4JTE-15K (V.F.) + 1x 4HTE-20K	1x 4JTE-15K (V.F.) + 1x 4JTE-15K	1x 4HTE-20K (V.F.) + 1x 4HTE-20K	1x 4JTE-15K (V.F.) + 1x 4JTE-15K	1x 4HTE-20K (V.F.) + 1x 4FTE-20K
Parallel Compressors		nº	—	1x 4MTE-10K	1x 4MTE-10K	1x 4MTE-10K	-	
LT Compressors		nº	1x 2KSL-1K + 1x 2KSL-1K	1x 2GSL-3K	1x 2JSL-2K + 1x 2JSL-2K	1x 2JSL-2K + 1x 2JSL-2K	1x 2HSL-3K + 1x 2HSL-3K	1x 2HSL-3K + 1x 2HSL-3K

			TSR2FJ_128XBX	TSR2EJ_893XBX	TSR2FJ_193YBX	TSR2EJ_895XBX	TSR2FJ_444YBX	TSR2FJ_088YBX
Application			MT+LT					
Capacity MT*	70 Hz	kW	80.75	22.5	82.91	22.81	46.8	76.79
Capacity LT*	70 Hz	kW	18.5	21.06	21.77	28.07	27.82	27.82
MT Compressors		nº	1x 4HTE-20K (V.F.) + 2x 4FTE-20K	1x 4JTE-15K (V.F.) + 1x 4HTE-20K	1x 4HTE-20K (V.F.) + 2x 4FTE-20K	1x 4HTE-20K (V.F.) + 1x 4HTE-20K	1x 4JTE-15K (V.F.) + 2x 4HTE-20K	1x 4HTE-20K (V.F.) + 2x 4FTE-20K
Parallel Compressors		nº	—	—	—	—	—	—
LT Compressors		nº	2x 2HSL-3K	1x 2GSL-3K + 1x 2GSL-3K	1x 2GSL-3K + 1x 2GSL-3K	1x 2FSL-4K + 1x 2FSL-4K	1x 2FSL-4K + 1x 2FSL-4K	1x 2FSL-4K + 1x 2FSL-4K

			TSR2GJ_001ZBX	TSR2GJ_002ZBX	TSR2GJ_003ZBX	TSR2GJ_004ZBX	TSR2GJ_995YBX	TSR2GJ_005ZBX
Application			MT+LT					
Capacity MT*	70 Hz	kW	66.43	72.4	106.38	118.19	70	134.08
Capacity LT*	70 Hz	kW	6.68	11.1	14.16	21.77	25	27.82
MT Compressors		nº	1x 4MTE-10K (V.F.) + 2x 4MTE-10K	1x 4MTE-10K (V.F.) + 2x 4KTE-10K	1x 4JTE-15K (V.F.) + 2x 4HTE-15K	1x 4HTE-20K (V.F.) + 2x 4HTE-15K	1x 4JTE-15K (V.F.) + 2x 4HTE-20K	1x 4HTE-20K (V.F.) + 2x 4FTE-20K
Parallel Compressors		nº	1x 4MTE-10K (V.F.)	1x 4MTE-10K (V.F.)	1x 4JTE-15K (V.F.)	1x 4HTE-20K (V.F.)	1x 4MTE-10K (V.F.)	1x 4HTE-20K (V.F.)
LT Compressors		nº	1x 2MSL-07K (V.F.) + 1x2MSL-07K	1x 2KSL-1K (V.F.) + 1x 2KSL-1K	1x 2JSL-2K (V.F.) + 1x 2JSL-2K	1x 2GSL-3K (V.F.) + 1x 2GSL-3K	1x 2FSL-4K (V.F.) + 1x 2FSL-4K	1x 2FSL-4K (V.F.) + 1x 2FSL-4K

* Calculation conditions: Tev MT -8ºC, Tev LT -32ºC, Tsgc +35ºC. | Design pressures: MP (MT suction): 52 bar, LP (LT suction): 30 bar, IP (Container and liquid line): 70 bar, HP (Discharge): 120 bar | Temperature, LT = Low Temperature, pc = Parallel compressor

CO_2 compact compressor rack

Smart Duplex compressor racks offer the highest powers for the commercial refrigeration range with CO_2 at 2 temperatures

- Profitability and energy savings.
- 100% CO_2 = low enviromental impact.
- Compact and simple design (only 1 m depth).
- High capacity up to 9 compressors.
- Vertical liquid receiver with high capacity (up to 2x250 l).
- Extreme flexibility.
- Remote control (accesible anywhere).
- Easy commissioning and maintainance.
- Possibility of 2 RHX, one for DHW and one for air conditioning.
- Tubular chassis.
- Oil separator accumulator.
- High capacity liquid receiver (up to 2x250 l).
- Up to 9 compressors.
- Frequency inverter for MT & LT.
- Two electronic sensors for refrigerant levels.
- All copper connections.

RHX — RHX

Plug & Play — Plug & Play

M2 — 1,000 - 2,500 m^2

PS 120 / 60 / 52 / 30 Bar

Emergency unit

Compact design

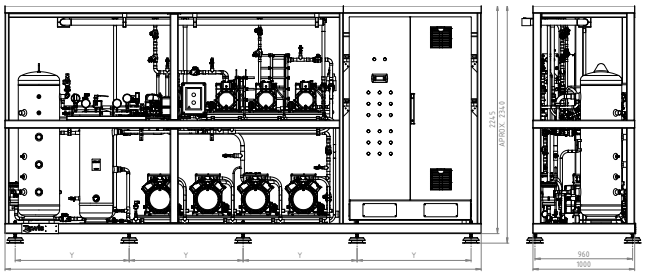
80 to 250KW

Liquid eceiver up to 2x250

< Maintan. costs



Smart Duplex



from 4.7 up to 6 m (depending on model)

DEPTH: JUST 1 m

			GSD3KJ_048ZBX	GSD3MJ_049ZBX	TSD3JJ_028ZBX	TSD3JJ_030ZBX	TSD3JJ_031ZBX	TSD3KJ_033ZBX
Application			MT		MT+LT			
Capacity MT*	70 Hz	kW	179.56	266.6	52	64.41	77.52	105.43
Capacity LT*	70 Hz	kW	-		20.37	31.32	26.38	34.14
MT Compressors		nº	1x 4HTE-20K (V.F. @70 Hz) + 4x 4FTE-30K	1x 4FTE-30K (V.F. @70 Hz) + 4x 4CTE-30K	1x 4JTE-15K (V.F. @70 Hz) + 2x 4HTE-20K	1x 4JTE-15K (V.F. @70 Hz) + 3x 4HTE-20K	1x 4HTE-20K (V.F. @70 Hz) + 2x 4FTE-30K	1x 4HTE-20K (V.F. @70 Hz) + 3x 4FTE-30K
Parallel Compressors		nº	-					
LT Compressors		nº	-		1x 2JSL-2K (V.F. @70 Hz) + 2x 2JSL-2K	1x 2GSL-3K (V.F. @70 Hz) + 2x 2GSL-3K	1x 2HSL-3K (V.F. @70 Hz) + 2x 2HSL-3K	1x 2HSL-3K (V.F. @70 Hz) + 3x 2HSL-3K

			TSD3JJ_035ZBX	TSD3JJ_034ZBX	TSD3JJ_050ZBX	TSD3JJ_051ZBX	TSD3MJ_052ZBX	TSD3MJ_053ZBX
Application			MT+LT					
Capacity MT*	70 Hz	kW	122.55	113.46	155.36	172.74	184.04	213.73
Capacity LT*	70 Hz	kW	18.62	26.81	36.44	36.44	75.88	48.21
MT Compressors		nº	1x 4HTE-20K (V.F. @70 Hz) + 3x 4FTE-30K	1x 4HTE-20K (V.F. @70 Hz) + 3x 4FTE-30K	1x 4HTE-20K (V.F. @70 Hz) + 3x 4CTE-30K	1x 4FTE-30K (V.F. @70 Hz) + 3x 4CTE-30K	1x 4FTE-30K (V.F. @70 Hz) + 4x 4CTE-30K	1x 4FTE-30K (V.F. @70 Hz) + 4x 4CTE-30K
Parallel Compressors		nº	-					
LT Compressors		nº	1x 2HSL-3K (V.F. @70 Hz) + 1x 2HSL-3K	1x 2JSL-2K (V.F. @70 Hz) + 2x 2GSL-3K	1x 2GSL-3K (V.F. @70 Hz) + 2x 2FSL-4K	1x 2GSL-3K (V.F. @70 Hz) + 2x 2FSL-4K	1x 2DSL-5K (V.F. @70 Hz) + 3x 2DSL-5K	1x 2GSL-3K (V.F. @70 Hz) + 3x 2FSL-4K

			TSD3JJ_037ZBX	TSD3JJ_039ZBX	TSD3JJ_042ZBX	TSD3JJ_040ZBX	TSD3JJ_044ZBX	TSD3KJ_041ZBX
Application			MT+LT					
Capacity MT*	70 Hz	kW	85.97	110.01	123.56	119.33	130.4	123.71
Capacity LT*	70 Hz	kW	31.32	26.81	14.38	35.02	24.67	36.44
MT Compressors		nº	1x 4JTE-15K (V.F. @70 Hz) + 2x 4HTE-20K	1x 4HTE-20K (V.F. @70 Hz) + 2x 4HTE-20K	1x 4HTE-20K (V.F. @70 Hz) + 2x 4HTE-20K	1x 4JTE-15K (V.F. @70 Hz) + 2x 4FTE-30K	1x 4JTE-15K (V.F. @70 Hz) + 2x 4FTE-30K	1x 4HTE-20K (V.F. @70 Hz) + 3x 4HTE-20K
Parallel Compressors		nº	1x 4JTE-15K (V.F.)	1x 4HTE-20K (V.F.)	1x 4HTE-20K (V.F.)	1x 4HTE-20K (V.F.)	1x 4HTE-20K (V.F.)	1x 4HTE-20K (V.F.)
LT Compressors		nº	1x 2GSL-3K (V.F. @70 Hz) + 2x 2GSL-3K	1x 2JSL-2K (V.F. @70 Hz) + 2x 2GSL-3K	1x 2JSL-2K (V.F. @70 Hz) + 1x 2JSL-2K	1x 2ESL-4K (V.F. @70 Hz) + 1x 2ESL-4K	1x 2GSL-3K (V.F. @70 Hz) + 1x 2FSL-4K	1x 2GSL-3K (V.F. @70 Hz) + 2x 2FSL-4K

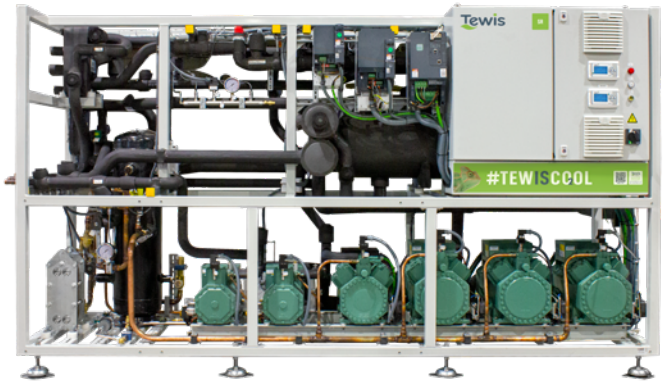
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Application			MT+LT				
Capacity MT*	70 Hz	kW	123.71	130.05	174.7	188.76	204.69
Capacity LT*	70 Hz	kW	36.44	31.32	49.61	36.44	26.38
MT Compressors		nº	1x 4HTE-20K (V.F. @70 Hz) + 3x 4HTE-20K	1x 4HTE-20K (V.F. @70 Hz) + 2x 4FTE-30K	1x 4HTE-20K (V.F. @70 Hz) + 3x 4FTE-30K	1x 4HTE-20K (V.F. @70 Hz) + 3x 4FTE-30K	1x 4GTE-30K (V.F. @70 Hz) + 2x 4DTE-25K
Parallel Compressors		nº	1x 4HTE-20K (V.F.)	1x 4HTE-20K (V.F.)	1x 4FTE-30K (V.F.)	1x 4FTE-30K (V.F.)	1x 4HTE-20K (V.F.) + 1x 4HTE-20K
LT Compressors		nº	1x 2GSL-3K (V.F. @70 Hz) + 2x 2FSL-4K	1x 2GSL-3K (V.F. @70 Hz) + 2x 2GSL-3K	1x 2ESL-4K (V.F. @70 Hz) + 2x 2ESL-4K	1x 2GSL-3K (V.F. @70 Hz) + 2x 2FSL-4K	1x 2HSL-3K (V.F. @70 Hz) + 1x 2HSL-3K

*Calculation conditions: Tev MT -8ºC, Tev LT -32ºC, Tsgc +35ºC.

Switchboard & electronic control

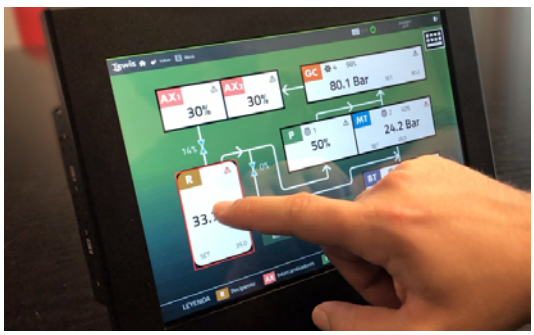
Switchboard

- Bench-mounted switchboard, including complete wiring.
- Power supply at 400V / 3F + N / 50Hz
- Frequency inverter in the first compressor in sections BT, MT and parallel
- Booster components and remote gas coolers electrically protected against overcurrents and short circuits.
- Option: electrical connections of power supply to the auxiliary unit



Electronic control

- It represents the best option for transcritical and subcritical CO_2 solutions with Booster circuit and allows to manage up to two circuits for the recovery of heat.
- Televis System compatible and open for the integration of Modbus RTU / TCP or BACnet MS / TP (optional) systems.
- Touch screen with synoptic and real-time data.
- Data logging and alarms.
- Historical charts and data tables.
- Parameter management.





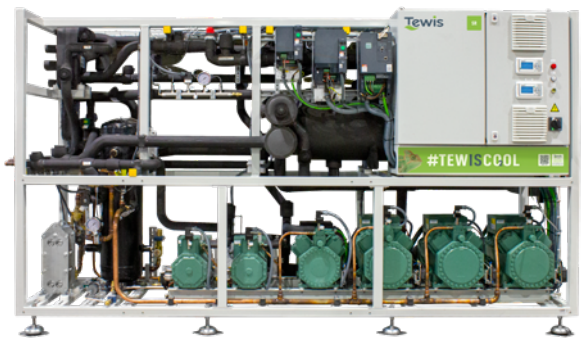
DAIKIN



Fresh ideas
for reliable performance

Choose the better solution – with Tewis Full CO_2 refrigeration systems

Why do so many widely-known retail chains count on Tewis? Because Tewis offers a well-thought-out, complete range of efficient refrigeration systems. Especially when working with R-744 under high pressure, best quality solutions count double. Avoid problems – with Tewis features like full stainless steel piping or surprisingly intuitive control systems.



www.daikin.eu

Tewis
a member of DAIKIN group



Integrated solutions

Freezing (Low temperature) (-20°C / +35°C)

Chilling (Medium temperature) (0°C / +35°C)

Cooling/AC (High Temperature) (+20°C/+10°C)

Heating

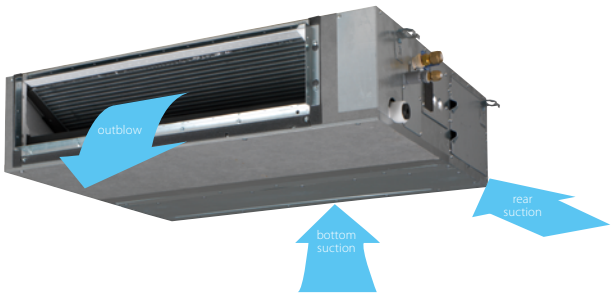
Model	Product name	Capacity (kW)	0	2	5	10	25	50	100	150	300	450
Integrated solution for chilling, freezing, comfort cooling and heating	Conveni-Pack LRYEQ-AY		LT, MT, A/C, HR + HP									
	CO_2 Conveni-Pack LRNUN-AY1, LRYEN-AY1		MT, AC, HR									

Indoor units compatible with CO_2 Conveni-Pack

NEW



CO_2 Round Flow Cassette
FXFN-A



Concealed Ceiling Unit
FXSN-A2

Service station (Ranst, Belgium) Conveni-Pack

Discover why a Belgian petrol station owner chose Daikin for its shop comfort and refrigeration needs.
www.youtube.com/DaikinEurope



YouTube

Conveni-Pack,

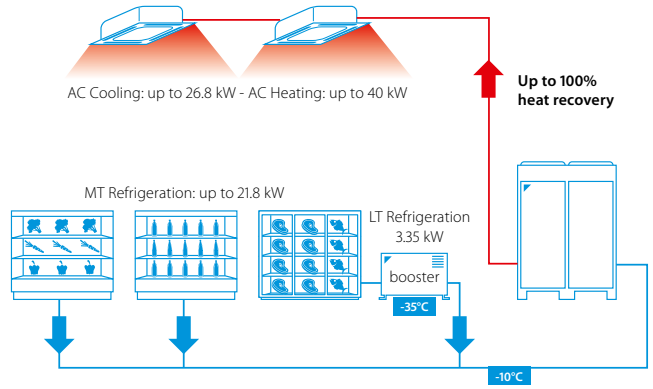
integrated solution for commercial refrigeration, heating and air conditioning

Why choose Conveni-Pack?

Competition in the retail food sector is fierce. This does not just affect the income you can earn from sales - operating costs are also a determing factor for success.

Energy efficient heat recovery system

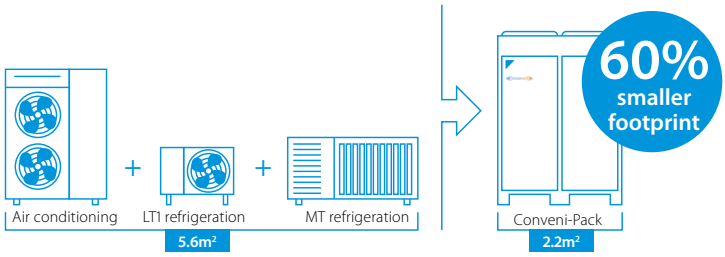
- Conveni-Pack recovers up to 100% of the heat extracted from supermarket refrigeration cases and re-uses it to heat the retail space and improve shop comfort at no additional cost (heat recovery system)
- Savings of up to 50% on energy costs
- Daikin inverter scroll compressor with economizer technology



Above-mentioned scheme is an example of what can be delivered depending on predefined conditions.
For more detailed information, please consult the technical specifications in this catalogue.

Installing a compact solution

- Easy to install, even in small spaces
- Small footprint (up to 60% smaller footprint than conventional systems) and low weight
- Reduced piping requirements
- Minimal planning groundwork and lower assembly costs



Unique combination

- First mass-produced, whole-building system to combine medium and low refrigeration, heating, air conditioning in one circuit

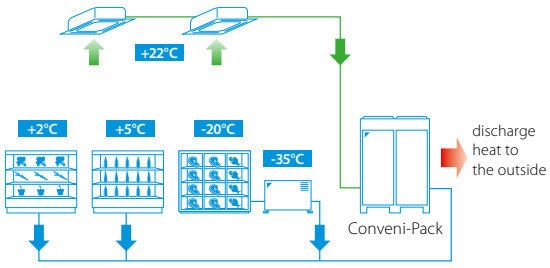
Reliable operation

- Error-proof component selection
- Factory leak-tested and pre-charged

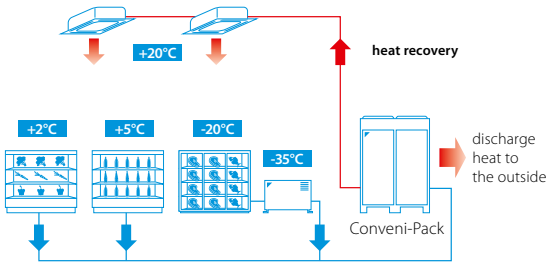
Year-round climate comfort

- Quiet operation: Improved acoustics thanks to night operation mode, inverter control and inverter driven fans with optimised blades and grills
- High grade sound insulation on both panels and compressors
- Specially designed fan blades to limit sound emissions
- 4 low sound operation settings including night mode
- The heat recovered from refrigerated and freezer display cabinets can be used to provide heating for the shop.

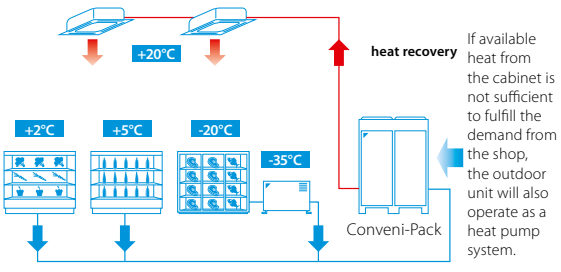
Summer



Spring/Autumn



Winter



Internationally awarded

Winner of several awards* thanks to the innovating technology used and environmental friendly solution offered:

- Winner of UK Environmental Product of the Year, Cooling Industry Awards - 2006
- Winner of Incentive Prize, German Environment Ministry - 2007
- Winner of the Innovation Trophy, equipmag (exhibition in France) - 2008
- Winner of 2014 Institute of Refrigeration Ireland (IRI) Environmental award
- Environmental Friendliness category of the Top Retail Product Awards 2014 in Germany

Reference

Edeka Buschkühle supermarket (Germany)
2 Conveni-Pack systems supply 32 meters of service counters, 12.5 meters of convenience fridges, one cooling storage room for fruit, an air curtain and 5 indoor units; the ZEAS system supplies two deep-freeze cabinets with a total capacity of 5 kW.



Discover more references on
www.daikineurope.com/references

Benefits for installers/consultants

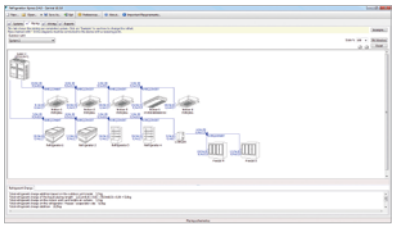
- Integrated electrical & control box
- Unit already pre-charged with refrigerant
- Established VRV technology ensuring optimised installation and maintenance
- Reduced delivery time thanks to European manufacturing plant
- Flexible system for multiple applications
- Connectable to all grocery refrigeration applications and supplied with a wide range of air conditioning indoor units to meet shop requirements
- Outdoor units can be positioned up to 35m above or 10m below the indoor units
- Piping length possible up to 130m
- Suitable for indoor installation through the use of high ESP fans

Benefits for shop owners

- Thought design for supermarkets and smaller retail outlets
- Maximised retail sales space available as Conveni-Pack has a footprint up to 60% smaller than conventional grocery refrigeration systems
- Reduced energy consumption by up to 50% through heat recovery
- Quiet operation, thus ideal for densely populated urban areas

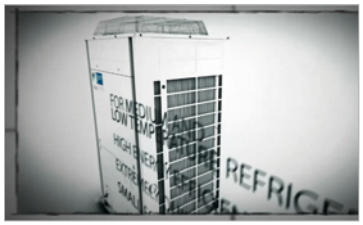
Marketing tools

Refrigeration Xpress
User-friendly design software for Conveni-Pack, CCU, SCU and ZEAS condensing units. Its detailed report includes a list of materials, piping and wiring diagrams, and device options.



Short videos

- Watch a short animation on the unique refrigeration solution Conveni-Pack



CO_2 Conveni-Pack



Why choose CO_2 Conveni-pack?

- ☑ DX Refrigeration, Heating & Space cooling by CO_2, for those whom demand a totally natural solution
- ☑ Heat recovery, and for those colder days automatic heat pump operation
- ☑ Fully assembled & packaged unit, providing low noise levels
- ☑ Mass produced in Daikin Europe's award winning factory
- ☑ Each unit is fully factory & run tested
- ☑ All units in stock, fast delivery
- ☑ Reduces annual energy consumption by up to 50%, compared to other manufacturers solutions.
- ☑ Hermetic swing compressor, complete with two stage compression, for lower running temperatures
- ☑ Oversized DC Brushless motor technology for improved reliability & efficiency
- ☑ Automatically balances refrigeration & space heating / cooling loads
- ☑ "Plug and Play" technology, reduced "On site" commissioning
- ☑ Optimized control logic for reliability and efficiencies
- ☑ Adaptable evaporation temperature control

Natural HVACR 4 life

Project for demonstration of innovative, integrated HVACR installations with natural refrigerant.

OBJECTIVES

- **Remove barriers** in the market for introducing integrated refrigeration and air conditioning systems that use natural refrigerants which have a lower Global Warming Potential.
- **Raise awareness** among installers, engineers, customers and general public on the potential of a combined air conditioning and refrigeration system that uses CO_2 as a natural refrigerant.
- **Contribute** to the implementation of the EU F-gas Directive.

ACTIONS

1. **Demonstrate viability**
   - test prototype in Belgium that integrates air conditioning and refrigeration with heat recovery in real life settings;
   - install, operate and monitor the new concept in European supermarkets, located in both temperate and warm climate zones (Germany and Spain, respectively)
2. **Organise training sessions** for installers and customers
3. **Help update** the definitions of standards and energy labelling schemes for multi-functional products by providing information on tested risk management, procedures regarding flammability and toxicity of natural refrigerants
4. **Develop a cassette-type indoor unit** using CO_2 that best provides comfort cooling and heating
5. **Research the potential of cold storage** for improving the Total Equivalent Warming Impact



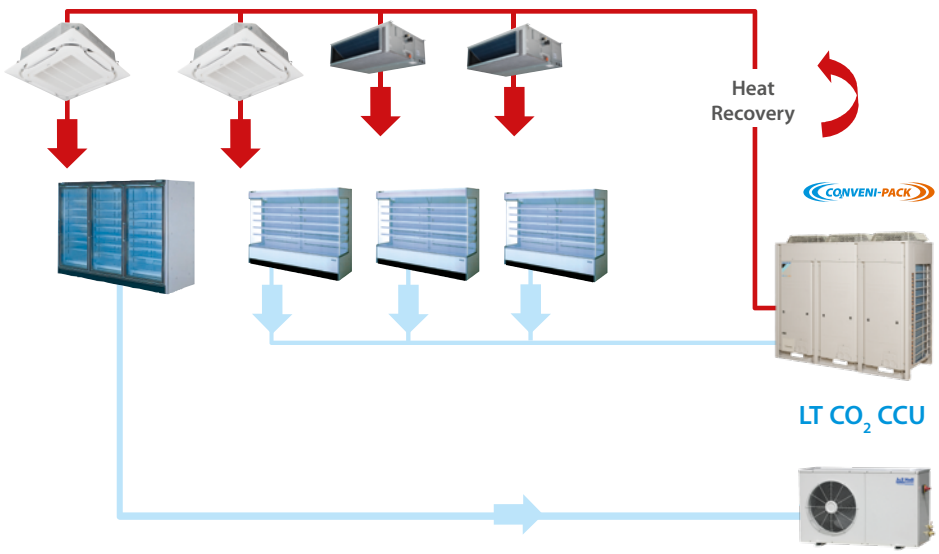
For more information refer to the website: naturalhvacr4life.eu

Low Temperature Showcases

Optional CO_2 CCU's are also available for Remote LT applications (not connected to Conveni-pack)



Plugin LT showcases with propane or LT condensing units with CO_2 are available to satisfy also freezer capacity needs.



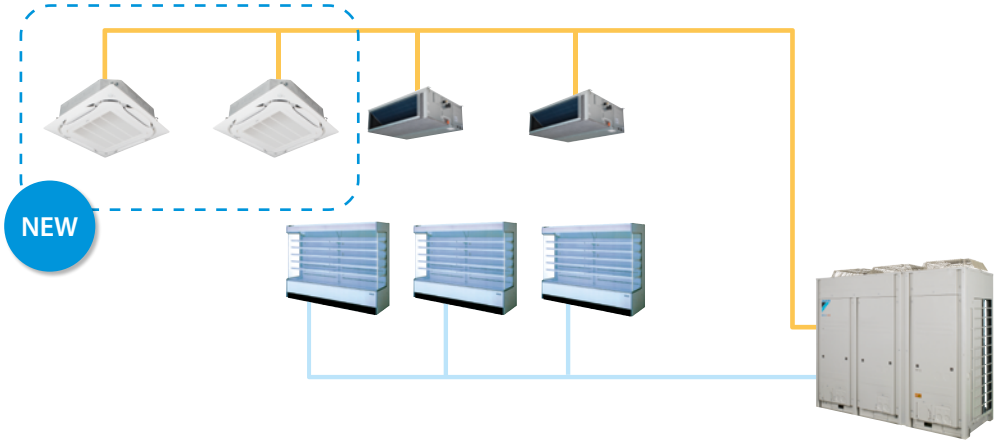
CO_2 Conveni-Pack refrigeration system with heat recovery

Refrigeration solution for food retailers featuring award winning technology for heat recovery

- Integrates high and low temperature refrigeration and air conditioning (including heating) into one system
- By using heat recovery, optimised controls and state of the art compressor technology, Conveni-pack can reduce annual energy consumption up to 50% or more, compared to conventional systems
- Lower associated CO_2 emissions thanks to the heat pump technology
- Conveni-pack's modular design allows it to be used for smaller as well as larger shops
- The modularity of the Conveni-pack system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet individual installation constraints
- The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop at no extra cost
- Low sound level including „night mode" operation



LRYEN-AY1



More details and final information can be found by scanning or clicking the QR codes.

LRYEN-AY1

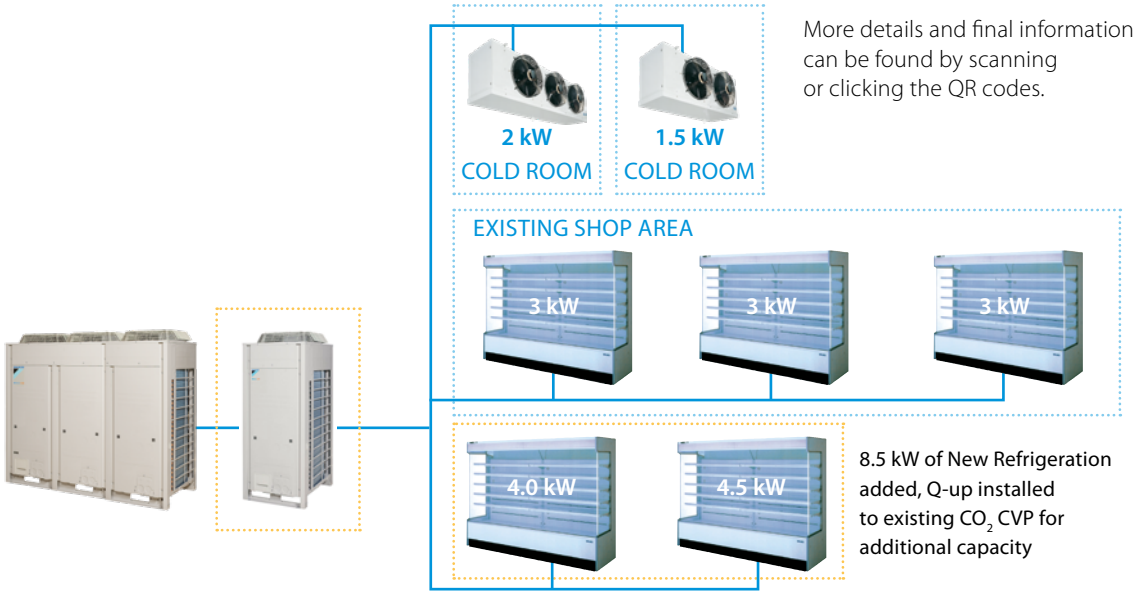
Medium Temperature Refrigeration, Cooling Only, Heating Only		LRYEN 10AY1
Parameters at part load and ambient temp. 25°C (Point B)		-
Parameters at part load and ambient temp. 25°C (Point B)		-
Dimensions	Unit HeightxWidthxDepth mm	1,680x1,930x765
Weight	Unit kg	563
Heat exchanger	Type	Cross fin coil
Compressor	Type	Hermetically sealed swing compressor
	Output W	4,600.0
	Piston displacement m^3/h	6.16
	Starting method	Direct on line (inverter driven)
Fan	Type	Propeller fan
	Quantity	3
	Air flow rate Cooling Nom. m^3/min	300
Fan motor	Output W	750
Sound pressure level	Nom. dBA	64.0
Refrigerant	GWP	1.0
	Type 2	R-744
	Charge kg	6.30
	Control	Electronic expansion valve
Power supply	Phase/Frequency/Voltage Hz/V	3N~/50/380-415

LRYEN10A7Y1+LRNUN5A7Y1 | Compressor 1 | Compressor 2 | Compressor 3 | Factory charge of unit | Only K65 with D.P. 120 bar is allowed to use for AC piping connections. | The safety valve pressure is indicated as gauge pressure. | Only K65 with D.P. 90 bar is allowed to use for refrigeration piping.

Capacity-up module for CO_2 Conveni-Pack

- Integrates high and low temperature refrigeration and air conditioning (including heating) into one system
- By using heat recovery, optimised controls and state of the art compressor technology, Conveni-pack can reduce annual energy consumption up to 50% or more, compared to conventional systems
- Lower associated CO_2 emissions thanks to the heat pump technology
- Conveni-pack's modular design allows it to be used for smaller as well as larger shops
- The modularity of the Conveni-pack system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet individual installation constraints
- The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop at no extra cost
- Low sound level including „night mode" operation





More details and final information can be found by scanning or clicking the QR codes.

LRNUN-AY1

8.5 kW of New Refrigeration added, Q-up installed to existing CO_2 CVP for additional capacity

Model	Refrigeration Capacity*	HR Capacity
DAIKIN CO_2 CVP AC10	3 - 14.5 kW	22 kW

Q-up can also easily be added later, as part of a system upgrade

Model	Refrigeration Capacity*	HR Capacity
DAIKIN CO_2 CVP AC10 + Q-up	3- 21 kW	22 kW

* Refrigeration capacity given under following conditions: Te = -10°C, 10 K SH and ambient = 32°C

Medium Temperature Refrigeration			LRNUN	5AY1
Parameters at part load and ambient temp. 25°C (Point B)				-
Parameters at part load and ambient temp. 25°C (Point B)				-
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765
Weight	Unit		kg	173
Heat exchanger	Type			Cross fin coil
Compressor	Type			Hermetically sealed swing compressor
	Output		W	4,600.0
	Piston displacement		m^3/h	6.16
	Starting method			Direct on line (inverter driven)
Fan	Type			Propeller fan
	Quantity			1
	Air flow rate	Cooling Nom.	m^3/min	102
Fan motor	Output		W	350
Sound pressure level	Nom.		dBA	65.0 (1)
Refrigerant	GWP			1.0
	Type 2			R-744
	Charge		kg	3.20
	Control			Electronic expansion valve
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415

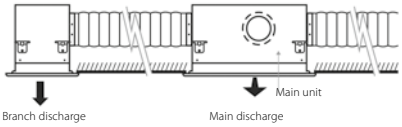
(1)LRYEN10A7Y1+LRNUN5A7Y1 | Compressor 1 | Compressor 2 | Compressor 3 | Factory charge of unit | Only K65 with D.P. 120 bar is allowed to use for AC piping connections. | The safety valve pressure is indicated as gauge pressure. | Only K65 with D.P. 90 bar is allowed to use for refrigeration piping.

NEW FXFN-A

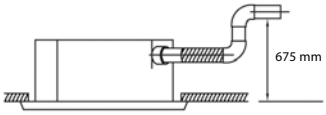
CO_2 Round Flow Cassette

360° air discharge for optimum efficiency and comfort

› Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs.
› Two optional intelligent sensors improve energy efficiency and comfort
› Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
› Bigger flaps and unique swing pattern improve equal air distribution
› Individual flap control: flexibility to suit every room layout without changing the location of the unit!
› Lowest installation height in the market: 214mm for class 20-63
› Optional fresh air intake
› Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



› Standard drain pump with 675mm lift increases flexibility and installation speed




FXFN-A



BRC1H52W,

Round flow cassette panel (7 types)
Daikin Round Flow Cassette with 360° airflow, wide flaps and optional intelligent sensors

1) Standard Panel (White & Black)


White standard


Full-White standard


Black standard

2) Auto-cleaning Panel (White & Black)


White auto cleaning


Black auto cleaning

3) Designer Panel (White & Black)


White design panel


Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FXFN-A

				FXFN-A	50	71	112
Capacity (H tap)	Cooling	Nom.		kW	5.6	8.0	12.5
	Heating	Nom.		kW	6.3	9.0	14.0
Dimensions	Unit	HeightxWidthxDepth		mm	246x840x840		288x840x840
Weight	Unit	gross		kg	29		32
		net		kg	26		29
Fan	Type				Turbo fan		
	Quantity				1		
Air flow rate	Cooling/heating		high/medium/low	m^3/h	15.5/12.8/10.7	23.2/19.4/13.8	32.7/27.6/20.6
Fan motor	Output			W			
Sound power level	Cooling			dBA	53	58	63
Sound pressure level	Cooling	high/medium/low		dBA	35/33/31 (4)	40/36/33 (4)	46/43/38 (4)
	Heating	high/medium/low		dBA	36/34/31 (1)(4)	41/37/33 (1)(4)	47/44/39 (1)(4)
Piping connection	Brazing type		Liquid	mm	9.52		
			Gas	mm	12.7		
Operation range	Indoor	Cooling		°C(WB)	14~24 (2)		
		Heating		°C(WB)	15~27		
Refrigerant	Type				R744		
Power supply	Phase/Frequency/Voltage			Hz/V	1~50/60Hz 220~240/220V		

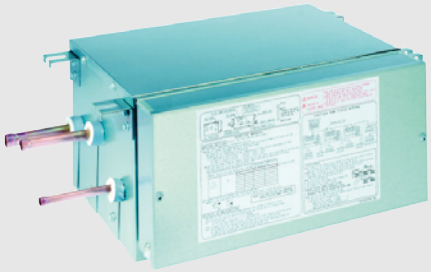
(1) Update of sound pressure level in heating on 2.3.2020 bases on test results (for 71 and 112 class) | (2) update of Cooling max (25 -> 24°C) operation range on 2.3.2020 based on test result | (3) The panel lineup is the same as the existing machine lineup | (4) Sound of designer panel: +3dB

NEW BEV2N-A

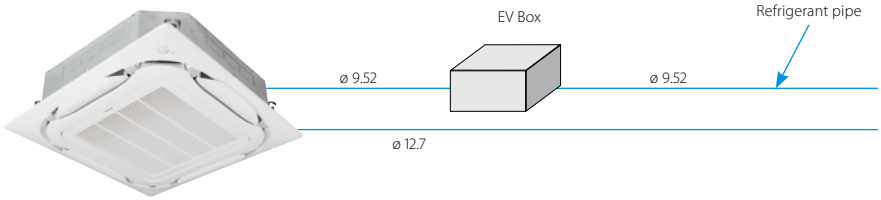
Expansion valve box

EV Box

› EV Box is the unit which include EV & Control
› 1 unit of EV box must be used toghether with 1 unit of CO_2 Cassette.



EV Box



CO_2 Cassette

Combination with Cassette Indoor unit

Cassette indoor unit / EV Box	FXFN50A2VEB	FXFN71A2VEB	FXFN112A2VEB
BEV2N112A7V1B	✓	✓	✓

Specifications			BEV2N-A	BEV2N112A7V1B
Power supply				1~, 50/60Hz, 220~240/220V
Dimension	Height	mm		207
	Wide	mm		388
	Depth	mm		326
Mass	Unit	kg		12 (Tentative)
Refrigerant Type				R744 (CO_2)
Piping connections Liquid	Type			Brazing
	OD	mm		ø 9.52

Concealed ceiling unit with medium ESP for CO_2 Conveni-pack

To respond to all shop requirements for comfort cooling and heating, a wide range of air conditioning indoor units are available

› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge



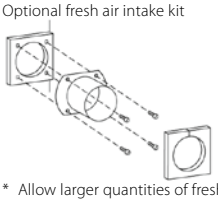
› Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
› Reduced energy consumption thanks to specially developed DC fan motor and drain pump
› Optional fresh air intake

Fresh air intake opening in casing



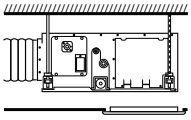
* Brings in up to 10% of fresh air into the room

Optional fresh air intake kit

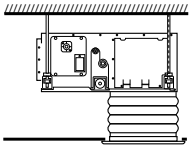


* Allow larger quantities of fresh air to be brought in

› Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles

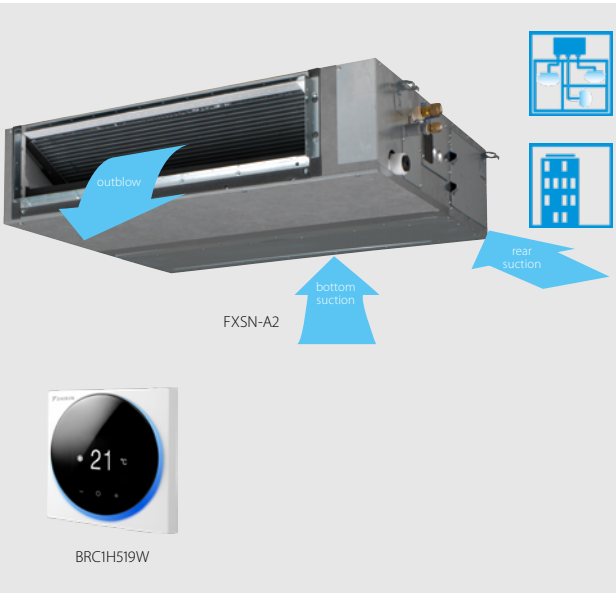


For free use into a false ceiling

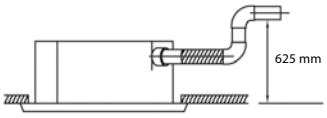


For connecting onto a suction canvas (not supplied by Daikin)

More details and final information can be found by scanning or clicking the QR codes.



› Standard built-in drain pump with 625mm lift increases flexibility and installation speed

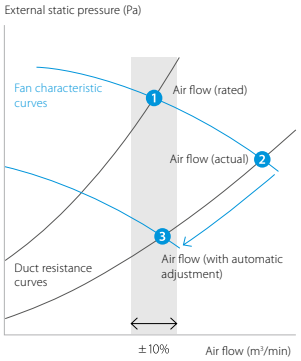


Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



FXSN-A2

Indoor unit				FXSN	50A2	71A2	112A2
Cooling capacity	Total capacity	Nom.		kW	5.60	8.00	12.50
Heating capacity	Total capacity	Nom.		kW	6.30	9.00	14.0
Power input - 50Hz	Cooling	Nom.		kW	0.186	0.258	0.388
	Heating	Nom.		kW	0.181	0.253	0.383
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800	245x1,000x800	245x1,400x800
Weight	Unit			kg	31.0	40.0	50.0
Casing	Material				Galvanised steel plate		
Fan	Air flow rate - 50Hz	Cooling	High / Medium / Low	m^3/min	15.2/13.0/11.0	23.0/19.5/16.0	36.0/31.5/26.0
		Heating	High / Medium / Low	m^3/min	15.2/13.0/11.0	23.0/19.5/16.0	36.0/31.5/26.0
	External static pressure - 50Hz	Factory set / High		Pa	30/150	40/150	50/150
Air filter	Type				Resinnet		
Sound power level	Cooling	At high fan speed		dBA	61	63	66
Sound pressure level	Cooling	High / Medium / Low		dBA	36.0/33.0/31.0	37.0/34.0/32.0	40.0/38.0/34.0
	Heating	High / Medium / Low		dBA	38.0/35.0/32.0	39.0/36.0/33.0	42.0/40.0/38.0
Refrigerant	Type/GWP				R-744/1.0		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	12.7		
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		
Current - 50Hz	Maximum fuse amps (MFA)			A	16		
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H52W/S/K		

Contains fluorinated greenhouse gases

NEW

Acoustic solution for Conveni-pack

- Complete & professional housing solution, series KVD specially designed for Daikin CVP units
- Stable and storm proof construction, tested and verified by TÜV Austria
- Extremely low static pressure drop, measured by TÜV Austria
- Highest soundproofing values thanks to multi-layered sound insulation
- Already assembled ex works -> ensures very quick installation of the outdoor unit
- Base frame made of steel-profiles, insulated bottom and drain pan are standard
- Housing can be modified for an even higher dampening with additional deflection plates and hoods



KVD330-PV-UL

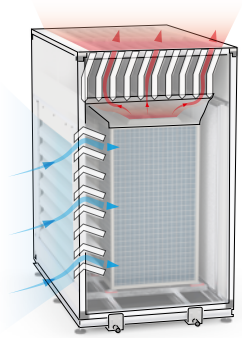


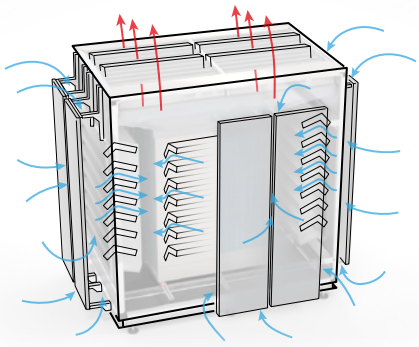
Housing with redirection hood



Housing with deflector plates







Please contact:
Kellner Engineering GmbH
kellner.r@kellner-engineering.com
www.kellner-engineering.com
Office: +43-2236-660048

suitable for 1x Daikin LRYEN10AY1 (10 HP)

acoustic housing type	external dimensions (HxWxD)	sound dampening[1] on average Ø	sound dampening[1] vertically	pressure drop[2]	weight
Kellner KVD300-PV Standard	2,350 x 3,071 x 1,461 mm	-18 dB(A)	-13 dB(A)	< 20 Pa	850 kg
+ deflection plates (8 pc.)	2,350 x 3,671 x 1,761 mm	-21 dB(A)	-13 dB(A)	< 25 Pa	320 kg
+ redircetion hood (exhaust front)	3,100 x 3,671 x 1,761 mm	-24 dB(A)	-24 dB(A)	< 32 Pa	300 kg
Kellner KVD300-PV-UL Ultra	2,550 x 3,071 x 1,461 mm	-20 dB(A)	-18 dB(A)	< 25 Pa	875 kg
+ deflection plates (8 pc.)	2,550 x 3,671 x 1,761 mm	-23 dB(A)	-18 dB(A)	< 30 Pa	320 kg
+ redircetion hood (exhaust front)	3,300 x 3,671 x 1,761 mm	-25 dB(A)	-26 dB(A)	< 37 Pa	300 kg

suitable for 1x Daikin LRYEN10AY1 (10 HP) + 1x Daikin LRNUN5AY1 (5 HP)

acoustic housing type	external dimensions (HxWxD)	sound dampening[1] on average Ø	sound dampening[1] vertically	pressure drop[2]	weight
Kellner KVD310-PV Standard	2,350 x 3,871 x 1,461 mm	-18 dB(A)	-13 dB(A)	< 20 Pa	975 kg
+ deflection plates (10 pc.)	2,350 x 4,471 x 1,761 mm	-21 dB(A)	-13 dB(A)	< 25 Pa	400 kg
+ redircetion hood (exhaust front)	3,100 x 4,471 x 1,761 mm	-24 dB(A)	-24 dB(A)	< 32 Pa	350 kg
Kellner KVD310-PV-UL Ultra	2,550 x 3,871 x 1,461 mm	-20 dB(A)	-18 dB(A)	< 25 Pa	1,000 kg
+ deflection plates (10 pc.)	2,550 x 4,471 x 1,761 mm	-23 dB(A)	-18 dB(A)	< 30 Pa	400 kg
+ redircetion hood (exhaust front)	3,300 x 4,471 x 1,761 mm	-25 dB(A)	-26 dB(A)	< 37 Pa	350 kg

(1) NORM EN ISO 9614-2:1997 - Determination of the sound power level of noise sources from sound intensity measurements
EN ISO 11546-1:2010 - Determination of the sound insulation of soundproofing capsules
EN ISO 717-1:2013 - Assessment of sound insulation in buildings and building components

(2) total pressure drop at maximum air-flow

NEW

Accoustic solution for Conveni-Pack

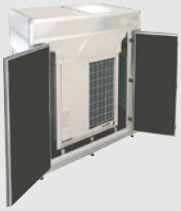
- Solflex acoustic solutions have been developed to reduce the sound emissions of outdoor units without limiting functionality.
- Nominal sound reduction measured according to DIN EN ISO 3744 by a renomated and independent laboratory.
- Exterior surfaces are standard available in RAL7016 anthracite grey, RAL9006 white aluminium, RAL9010 pure white or in galvanised steel.
- Online technical data and configuration including sound evaluation to norm accepted by many authorities to obtain building permission.
- On demand custom made acoustic solutions with site assistance including installation for large scale projects.
- Very large variety of standard acoustic solutions available for all type of HVACR units.



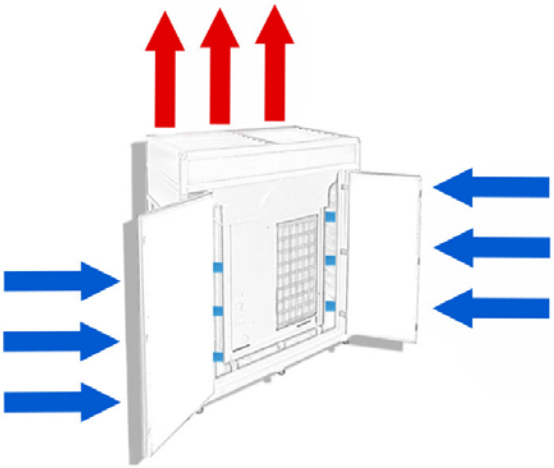
V200NA

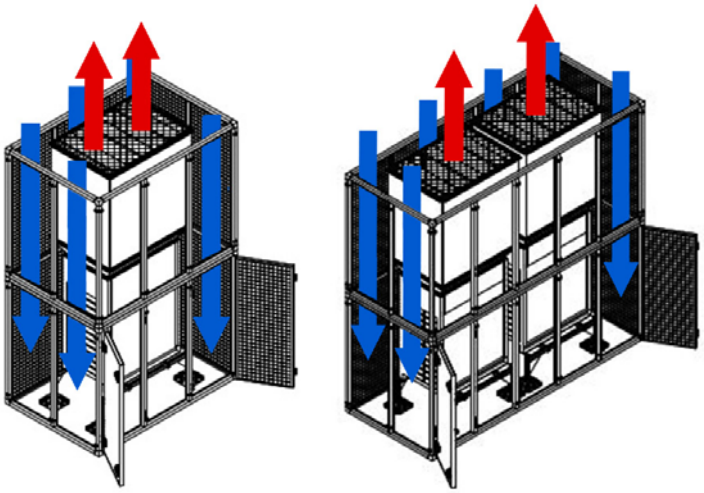


SQV200NP



XV200NA





For more info, please contact:
Solflex GmbH
office@solflex.eu
www.solflex.eu

suitable for 1x Daikin LRYEN10AY1 (10 HP)

acoustic housing type	external dimensions (HxWxD)	Nominal Sound Insulation[1]	pressure drop[2]	weight
SDW 211763-1 A	2,450 x 3,150 x 1,600 mm	Rw(Ctr, 50-5,000): 20 dB	< 5 Pa	550 kg
V 211763-2 A	2,600 x 3,100 x 1,650 mm	D(e): 19 dB(A)	<15 Pa	1,250 kg
XV 211763-3 A	2,600 x 3,500 x 1,900 mm	D(e): 23 dB(A)	<25 Pa	1,450 kg
SQVY 211763-4 A	3,800 x 3,150 x 1,600 mm	D(e): 25 dB(A)	<25 Pa	950 kg

suitable for 1x Daikin LRYEN10AY1 (10 HP) + 1x Daikin LRNUN5AY1 (5 HP)

acoustic housing type	external dimensions (HxWxD)	Nominal Sound Insulation[1]	pressure drop[2]	weight
SDW 211763-1 B	2,450 x 3,925 x 1,600 mm	Rw(Ctr, 50-5,000): 20 dB	< 5 Pa	630 kg
V 211763-2 B	2,600 x 3,800 x 1,650 mm	D(e): 19 dB(A)	<15 Pa	1,350 kg
XV 211763-3 B	2,600 x 4,200 x 1,900 mm	D(e): 23 dB(A)	<25 Pa	1,600 kg
SQVY 211763-4 B	3,800 x 3,925 x 1,600 mm	D(e): 25 dB(A)	<25 Pa	1,140 kg

(1) NORM DIN EN ISO 10140-2 - Specifies a laboratory method for measuring the airborne sound insulation of building products
DIN EN ISO 3744 - Specifies methods for determining the sound power level or sound energy level of a noise source

(2) total pressure drop at maximum air-flow

CONVENI-PACK

R-410A Conveni-Pack refrigeration system with heat recovery

Refrigeration solution for food retailers featuring award winning technology for heat recovery

- Integrates high and low temperature refrigeration and air conditioning (including heating) into one system
- By using heat recovery, optimised controls and state of the art compressor technology, Conveni-pack can reduce annual energy consumption up to 50% or more, compared to conventional systems
- Lower associated CO_2 emissions thanks to the heat pump technology
- Conveni-pack's modular design allows it to be used for smaller as well as larger shops
- The modularity of the Conveni-pack system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet individual installation constraints
- The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop at no extra cost
- Low sound level including „night mode" operation



LRYEQ16AY



Conveni pack, in combination with a ZEAS unit.

This store was nominated by spar as its 'local supermarket of the year', thanks in part to its owner's strategic investment in a key department: Refrigeration.

By installing a Conveni pack in combination with Zeas, it was possible to **save around €10,000 on energy costs each year**, from money that would otherwise have spent on heating. **SPAR, Supermarket.**

More details and final information can be found by scanning or clicking the QR codes.

LRYEQ-AY

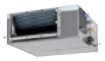
Medium Temperature Refrigeration				LRYEQ-AY	16
Cooling capacity	Air conditioning	Nom.		kW	14.0 (1)
	Refrigeration	Nom.		kW	21.8 (2)
Heating capacity	Air conditioning	Nom.		kW	27.0 (3)
	Refrigeration	Nom.		kW	21.8 (4)
Dimensions	Unit	Height		mm	1,680
		Width		mm	1,240
		Depth		mm	765
Weight	Unit			kg	370
Heat exchanger	Type				Cross fin coil
Compressor	Type				Hermetically sealed scroll compressor
	Piston displacement			m^3/h	13.34
	Speed			rpm	6,300
	Output			W	2,500
	Starting method				Direct on line (inverter driven)
	Frequency ON/OFF				Less than 6 times/hour
Compressor 2	Speed			rpm	2,900
	Output			W	3,600
Compressor 3	Speed			rpm	2,900
	Output			W	4,500
Fan	Type				Propeller fan
	Quantity				2
	Air flow rate	Cooling	Nom.	m^3/min	230
Fan motor	Output			W	750
	Drive				Direct drive
Sound pressure level	Nom.			dBA	62.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-20~10
	Cooling	Ambient	Min.~Max.	°CDB	-5~43
	Heating	Ambient	Min.~Max.	°CDB	-15~21
Refrigerant	Type				R-410A
	GWP				2,087.5
	Charge			kg	11.5
				TCO_2eq	24.0
	Control				Electronic expansion valve
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415

(1) Cooling priority mode: indoor temp. 27°CDB, 19°CWB; outdoor temp. 32°CDB; piping length: 7.5m; level difference: 0m (2) Cooling priority mode: evaporating temp. -10°C; outdoor temp. 32°CDB; Suction SH: 10°C (3) Heat recovery 100% mode: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; refrigeration load 18kW; piping length: 7.5m; level difference: 0m (4) Saturated temperature equivalent to suction pressure (refrigeration side): -10°C (under chilled condition); connection capacity for indoor air conditioner: 10HP, when heat recovery is 100%

Indoor units and Biddle air curtains for connection to R-410A Conveni-Pack

To respond to all shop requirements for comfort cooling and heating, a wide range of air conditioning indoor units and Biddle air curtains are available.

Capacity class (kW)

Model	Product name		50	63	71	80	100	125	140	200	250
Cooling capacity (kW)[1]			5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]			6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5
Round flow cassette	FXFQ-A		●	●		●	●	●			
2-way blow ceiling mounted cassette	FXCQ-A		●	●		●		●			
Ceiling mounted corner cassette	FXKQ-MA			●							
Concealed ceiling unit with inverter driven fan	FXSQ-A		●	●		●	●	●			
Concealed ceiling unit with inverter driven fan	FXMQ-P7		●	●		●	●	●			
Large concealed ceiling unit	FXMQ-MB									●	●
Ceiling suspended unit	FXHQ-A			●			●				
4-way blow ceiling suspended unit	FXUQ-A				●		●				
Floor standing unit	FXLQ-P		●	●							
Concealed floor standing unit	FXNQ-A		●	●							

Capacity class (kW)

Model	Product Name		80	100	125	140	200	250
Heating capacity (kW)[2]			7.4 - 9.2	11.6 - 13.4	15.6	16.2 - 19.9	29.4	29.4 - 31.1
Biddle air curtain free hanging	CYVS-DK		●	●	●	●	●	●
Biddle air curtain cassette	CYVM-DK		●	●	●	●	●	●
Biddle air curtain recessed	CYVL-DK		●	●	●	●	●	●

[1] Nominal cooling capacities are based on: indoor temperature: 27°CDB / 19°CWB, outdoor temperature: 35°CDB, piping length: 7.5m, level difference: 0m

[2] Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB / 6°CWB, piping length: 7.5m, level difference: 0m

Booster unit for R-410A

› A booster unit allows to connect freezer showcases / rooms to ZEAS and Conveni-Pack outdoor units
› Reduced piping requirements, from 4 to 2 pipes, compared to a conventional system
› Low sound mode available reducing sound emissions significantly without giving in on Refrigerating capacity



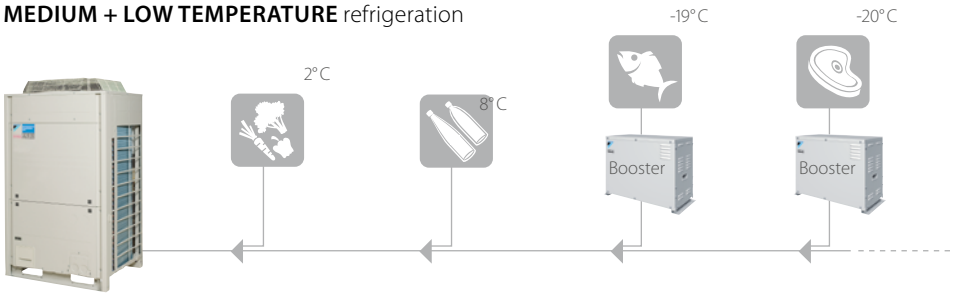
LCBKQ3AV1

More details and final information can be found by scanning or clicking the QR codes.

LCBKQ-AV1

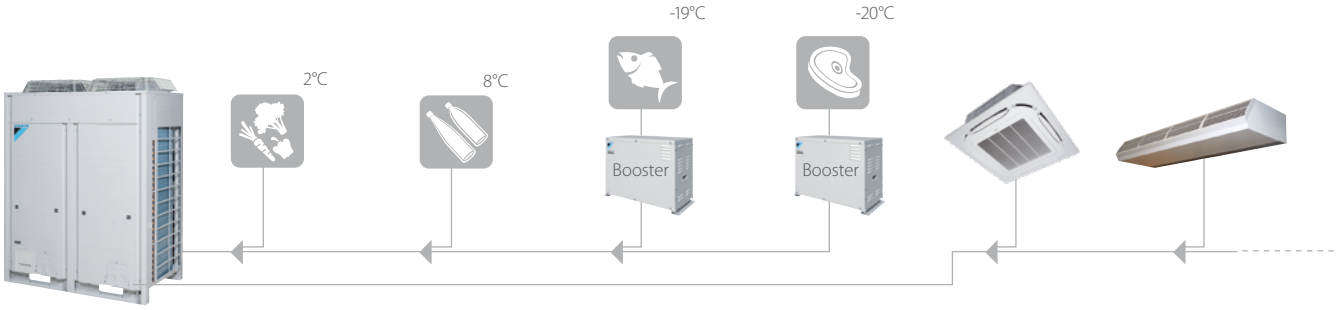
Booster with ZEAS:

MEDIUM + LOW TEMPERATURE refrigeration



Booster with R-410A Conveni-Pack:

MEDIUM + LOW TEMPERATURE refrigeration + space air conditioning + Biddle air curtain



Low Temperature Refrigeration					LCBKQ-AV1
					3
Refrigerating capacity	Low temperature		Nom.	kW	3.35 (1)
Dimensions	Unit	Height		mm	480
		Width		mm	680
		Depth		mm	310
Weight	Unit			kg	47
Compressor	Type				Hermetically sealed swing compressor
	Piston displacement			m^3/h	10.16
	Number of revolutions			rpm	6,540
	Output			W	1,300
	Starting method				Direct on line (inverter driven)
	Frequency ON/OFF				Less than 6 times/hour
Fan	Type				Propeller fan
	Air flow rate	Cooling	Nom.	m^3/min	1.6
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-45~-20
	Ambient temperature	Min.~Max.		°C	-15~43
Refrigerant	Type				R-410A
	GWP				2,087.5
	Control				Electronic expansion valve
Piping connections	For outdoor unit	Liquid	OD	mm	6.35
	To indoor unit	Liquid	OD	mm	6.35
	For indoor unit	Gas	OD	mm	15.9
	To outdoor unit	Gas	OD	mm	9.5
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240

(1) Evaporating temp. -35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C



Evaporators

Evaporators with or without TEV for different operations and refrigerants



General features:

› Capacity for LT/MT cooling: 0.5 to 213 kW
› Ambient/cooling room temperature range: - 40°C - +25°C
› Refrigerants: R134A a, R 449A, R448A, R452A R407F, R 407A
› Fin distance: from 3 mm to 11 mm
› Fin materials: Al
› Tube materials: Cu
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Options:

› Electric defrost heating
› Hot gas defrost
› Drain pan heating
› Fan ring heater
› High efficient EC fans
› Wiring on terminal box
› Included valves and regulation
› Fin materials AISI 304, AISI 316
› Tube materials AISI 304, AISI 316
› Casing in stainless steel (Inox)

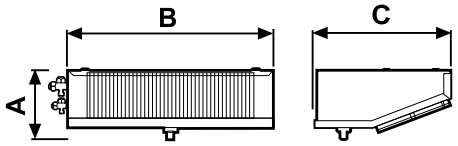
Types:

› flat evaporator
› double flow
› cubic design
› Evaporator only
› Evaporator + EEV/TEV
› Evaporator + EEV/TEV + electronic controller

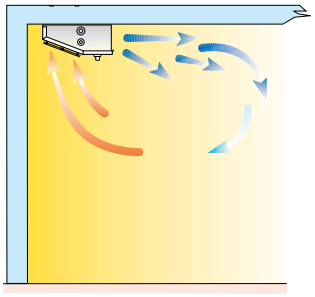
For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Dimensions

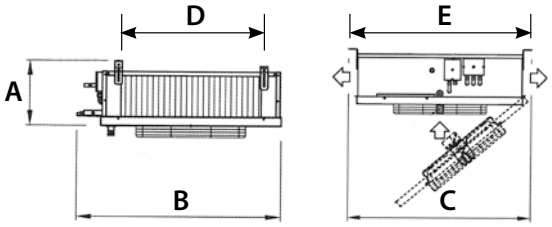
Flat



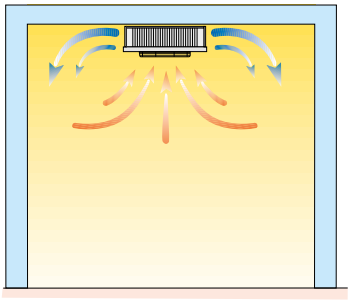
mm	A	B	C
201	215	614	410
202	215	1,034	410
203	215	1,614	410
232	150	713	455
301	300	910	690
302	300	1,530	690
303	300	2,150	690
304	300	2,770	690
305	300	3,390	690



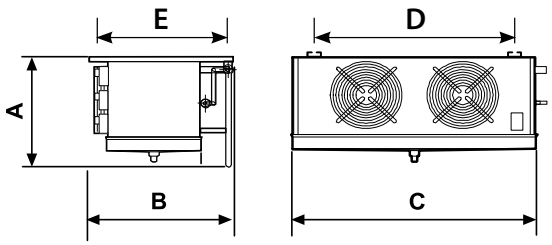
Double flow



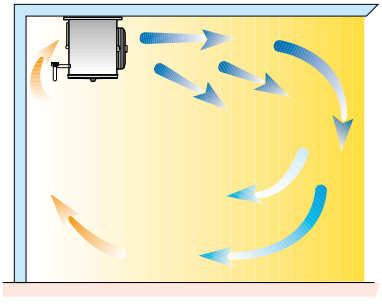
mm	A	B	C	D	E
231	171	579	585	293	600
232	171	889	585	603	600
233	171	1,199	585	913	600
234	171	1,509	585	1,223	600
352	300	1,671	995	1,214	1,065
353	300	2,291	995	1,834	1,065
354	300	2,911	995	2,454	1,065
355	300	3,531	995	3,074	1,065



Cubic



mm	A	B	C	D	E
301	420	480	789	495	345
302	420	480	1,254	960	345
303	420	480	1,719	1,425	345
HEU351	545	690	805	605	540
HEU352	530	690	1,220	965	540
HEU353	600	690	1,690	1,370	540
HEU403	620	700	1,840	1,520	545
HEU502	844	992	1,829	1,526	740
SKC352	490	606	1,614	1,270	450
SKC353	490	606	2,234	1,890	450
SKC452	610	650	2,032	1,680	510
SKC503	800	830	3,350	2,760	675







Options

Options

for ZEAS and Conveni-Pack

		CO_2 Conveni-Pack		Conveni-Pack	ZEAS							Multi-ZEAS	
		LRYEN10AY1	LRNUN5AY1	LRYEQ16AY	LREQ5BY1	LREQ6BY1	LREQ8BY1	LREQ10BY1	LREQ12BY1	LREQ15BY1	LREQ20BY1	LREQ15BY1Rx2	LREQ20BY1Rx2
Digital pressure gauge kit		-		BHGP26A1									
Pressure gauge kit		-		KHGP26B140									
Pressure Reduction Kit		EKPRV1		-									
Snowbreak hood*	(a+b+c+d) kit	KPS26C504	KPS26C160	KPS26C504	KPS26C160		KPS26C280			KPS26C504			
	a. Air outlet	KPS26C504T (left side)	KPS26C160T	KPS26C504T	KPS26C160T		KPS26C280T			KPS26C504T			
	b. Air inlet (left)	KPS26C504B	-	KPS26C504L	KPS26C504L								
	c. Air inlet (right)	KPS26C504L	KPS26C160L	KPS26C504R	KPS26C504R								
	d. Air inlet (rear)	KPS26C504R	KPS26C160R	KPS26C504B	KPS26C160B		KPS26C280B			KPS26C504B			
	Air outlet	KPS26C160T (right side)	-										
	Air inlet (rear)	KPS26C160B (right side)	-										
Central drain pan kit		-		KWC26C450**	KWC26C160		KPS26C280			KPS26C450		KPS26C450*** x2	
Modbus communication kit		BRR9B1V1		BRR9A1V1								BRR9A1V1****	
Booster unit		-		LCBKQ3AV19								-	
Suction branch pipe for multi		-										EKHRQZM*****	
Refnet header		-		KHRQM22M29H8									
		-		KHRQ22M64H8									
		-		KHRQM22M75H8									
Refnet joint		-		KHRQ22M20TA8									
		-		KHRQ22M29T9									
		-		KHRQ22M64T8									
		-		KHRQ22M75T8									
intelligent Touch Controller		DSC601C51		-									
intelligent Touch Manager		DCM601A51		-									

SEE NEXT PAGE

SEE NEXT PAGE

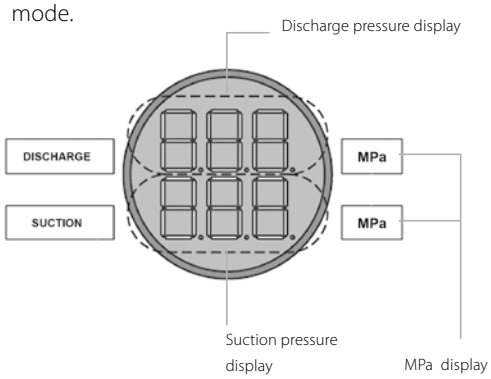
* Snowbreak hoods are field-supplied. For technical drawings and more information, contact your dealer. It is recommended to install a snowbreak hood when regular snowfall occurs.
** In cold areas, provide a drain pan heater (field supply) to prevent drained water from freezing up in the drain pan *** required for each module
**** software update required (to be executed during commissioning) ***** mandatory

Digital pressure gauge kit

BHGP26A1

The digital measurement display allows you to diagnose a unit at a glance and it can be used with all ZEAS and R-410A Conveni-Pack systems.

› Digital measurement display for fixed installation or service applications.
› Displays high and low pressure.
› Displays error codes in the event of a fault.
› Displays up to 32 operating parameters.
› Displays error code history (last three).
› Scrolls and stores output values.
› Automatically returns to normal operating display mode.





BHGP26A1

Modbus communication kit

BRR9A1V1

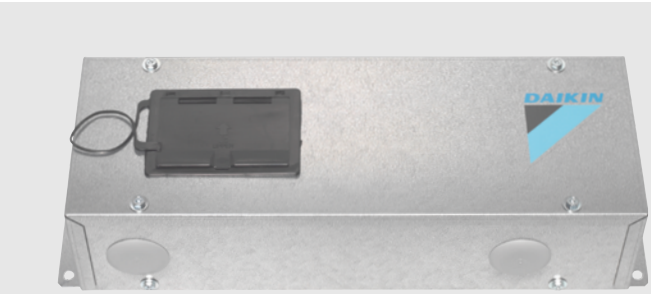
The Daikin Modbus Communication Interface lets you fully integrate Daikin ZEAS and Daikin R-410A Conveni-Pack systems with building control automation networks and other monitoring systems.

The interface allows you to read all the operational parameters and control important values using the Modbus protocol. This unifying component transforms ZEAS and Conveni-Pack into a transparent, customisable refrigeration unit and means that you can create object-specific and energy-optimised shop concepts, including remote monitoring application.

Pro interfaces can be used to connect up to 32 ZEAS units, and are also suitable for use with R-410A Conveni-Pack systems and the Booster.

Control values

› Target evaporation temperature
› Low pressure level for on and off points
› Forced stop
› Error messages can be cancelled remotely



BRR9AV1

Display values

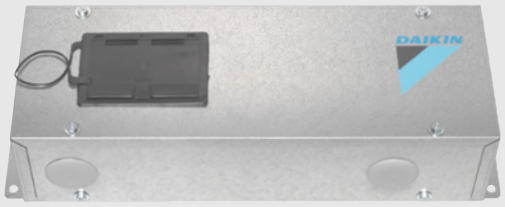
› Model information and operating status
› Refrigerant operating pressure and temperatures
› Electrical operating data and temperatures for components
› Target values
› Fan stage and compressor frequency, operating hours
› Warning and error messages as well as system safety functions

Modbus communication kit

The Daikin Modbus Communication Interface lets you fully integrate Daikin ZEAS and Daikin CO_2 Conveni-Pack systems with building control automation networks and other monitoring systems.

The interface allows you to read all the operational parameters and control important values using the Modbus protocol on refrigeration and comfort side. This unifying component transforms CO_2 Conveni-Pack into a transparent, customisable refrigeration unit and means that you can create object-specific and energy-optimised shop concepts, including remote monitoring application.

Pro interfaces can be used to connect up to 7 CO_2 Conveni-Pack units.



BRR9B1V1

More details and final information can be found by scanning or clicking the QR codes.

BRR9B1V1



Round Flow CO_2 Cassette

Indoor unit for CO_2 Conveni-Pack





To respond to all shop requirements for comfort cooling and heating

360° AIR DISCHARGE
FOR OPTIMUM
EFFICIENCY & COMFORT



CO2NVENI-PACK

DAIKIN

Transport Refrigeration

Transport Refrigeration

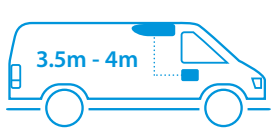
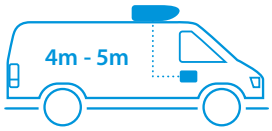
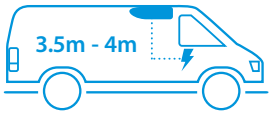
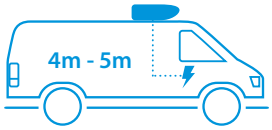


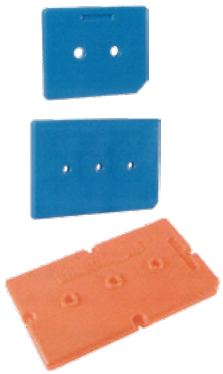

DAIKIN
E1500
EXIGO



Product Portfolio

Our transport refrigeration unit range offers reliable and efficient solutions for a wide range of applications and vehicle types. Each unit is designed to minimize your total cost of ownership, configured to your exact needs, manufactured to Daikin's rigorous quality standards, and supported with a service network available 24/7.

VAN			
Direct-Drive		Electric	
Invisible Direct-Drive	Zero Direct-Drive	Invisible Electric	Zero Electric
			
			
SFZ007 SFZ008 SFZ009	Z200 Z250 Z350 Z380	SFZ009e	Z120b Z200e Z250e Z350e
			
SFZ009 Multi	Z380 Multi	SFZ009e Multi	Z350e Multi

LIGHT TRUCK	TRUCK		TRAILER
SFZ	Uno	Uno Undermount	Exigo
			
			
SFZ238 SFZ248	U600 U800 U1000	UN120	E1500
			EUTECTIC INSERTS
			
SFZ238 Multi SFZ248 Multi	U800 Multi U1000 Multi	UN120 Multi	Inpac Small Inpac Medium Inpac Large (Colour)


350
ZANOTTI



Van
Direct-Drive



Invisible Direct-Drive

SFZ007 | SFZ008 | SFZ009 | SFZ009 Multi

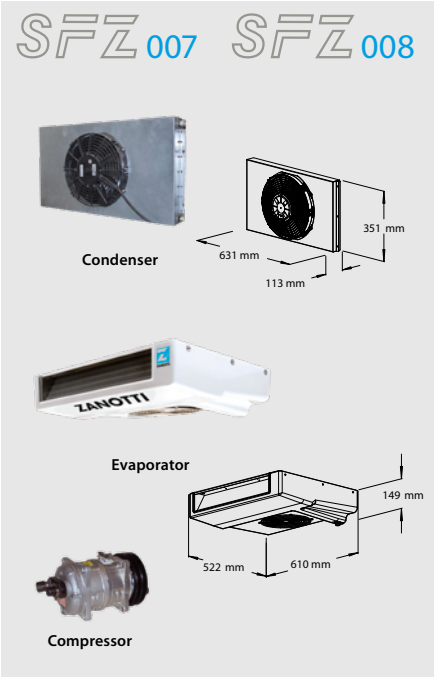
Our Invisible range is designed for discreet and efficient transportation of refrigerated products in vans. These units are installed underneath the vehicle chassis, completely invisible from the outside, preserving the aesthetics, original height and aerodynamics of the vehicle, while reducing bodywork. SFZ007, SFZ008 and SFZ009 offer varying refrigeration capacities and volume ratings tuned for different applications. SFZ009 Multi features dual evaporators to enable products with different temperature requirements to be transported in two separate zones.

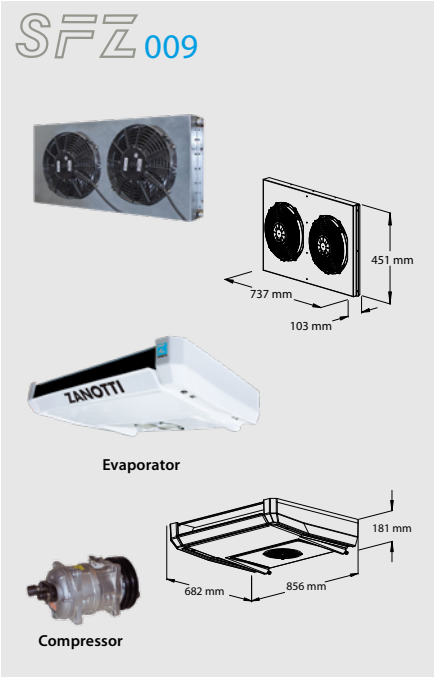
The Invisible range, with its ultra-thin dimensions make it the ideal choice for customers who need a space-saving solution. A driver-friendly interface in the cabin allows real-time monitoring and control of the unit performance to ensure the cargo is maintained at precisely the right temperature throughout the trip.

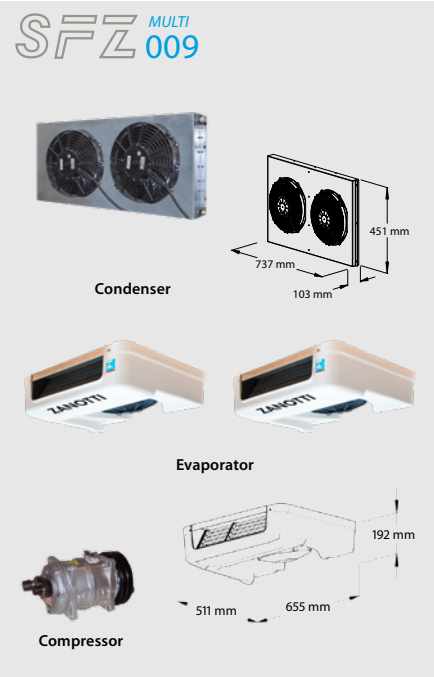
Key Features:

- ☑ Multiple temperature zones in the same vehicle (Multi model only)
- ☑ Powered by direct-drive on road, electric grid on stand-by
- ☑ Vehicle access to tight underground areas
- ☑ Under-chassis mounting preserves vehicle aesthetics and aerodynamics
- ☑ Invisible from the outside
- ☑ Low noise
- ☑ User-friendly cabin driver interface
- ☑ Telematics-compatible
- ☑ 2-year standard warranty









		SFZ007		SFZ008		SFZ009		SFZ009 Multi	
General									
Refrigerant	[-]	R134a		R452A					
System net cooling capacity under ATP conditions (30°C ambient temperature)									
	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C
Road mode	[W]	1,790	N/A	2,180	1,090	3,160	1,828	2,990	1,580
Stand-by mode	[W]	1,130	N/A	1,580	800	2,030	1,124	1,760	970
Heating capacity									
Road mode	[W]	N/A		1,890		2,790		2,640	
Stand-by mode	[W]	N/A		1,380		1,630		1,580	
Airflow rate									
Airflow rate at 100kPa static pressure	[m^3/h]	620		910		840		2x 620	
Weight									
Condenser without electric stand-by	[kg]	25		38		45		45	
Condenser with electric stand-by	[kg]	50		65		75		75	
Evaporator	[kg]	10		14		20.5		2x 10.2	
Road compressor									
Displacement	[cc]	146		146		163		163	

These products contain fluorinated greenhouse gases (R134a GWP=1,430 / R452A GWP=2,140.5).
Stand-by voltages available: 230/1/50 or 400/3/50
Vehicle voltages available: 12VDC or 24VDC

Provisional engineering data



Zero Direct-Drive

Z200 | Z250 | Z350 | Z380

The Zero range meets the needs of the distribution industry by offering the utmost flexibility in the temperature management of refrigerated products. The extensive direct-drive Zero line-up including Z200, Z250, Z350, and Z380 is designed to meet a wide range of applications in light commercial vehicles.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.

Key Features:

- ☑ Proven reliability and performance
- ☑ Powered by direct-drive on road, electric grid on stand-by
- ☑ Easy to install and service with removable side panels
- ☑ Configurable for a wide range of refrigerated applications in light commercial vehicles
- ☑ Low noise
- ☑ User-friendly cabin driver interface
- ☑ Reduced refrigerant charge and maintenance costs
- ☑ Telematics-compatible
- ☑ 2-year standard warranty



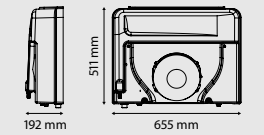
Z 200

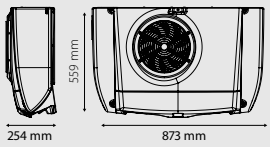


Condenser



Evaporator





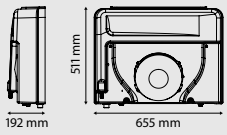
Z 250

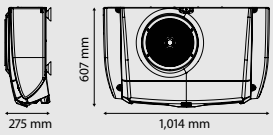


Condenser



Evaporator





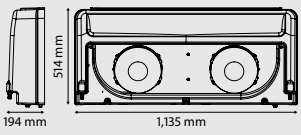
Z 350

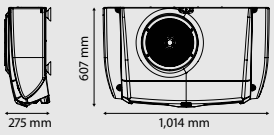


Condenser



Evaporator





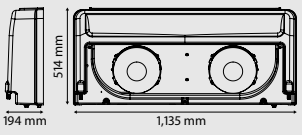
Z 380

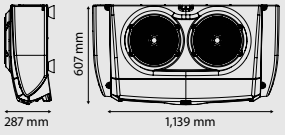


Condenser



Evaporator





		Z250		Z380		Z200		Z250		Z350		Z380	
General													
Refrigerant	[-]	R134a				R452A							
System net cooling capacity under ATP conditions (30°C ambient temperature)													
	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C
Road mode	[W]	2,140	N/A	2,920	N/A	2,220	1,170	2,680	1,470	3,350	1,840	3,800	2,020
Stand-by mode	[W]	1,130	N/A	1,900	N/A	1,500	700	2,120	820	2,240	890	2,450	970
Heating capacity													
Road mode	[W]	1,930		2,620		2,100		2,500		3,100		3,300	
Stand-by mode	[W]	1,020		1,710		1,300		1,900		2,000		2,200	
Airflow rate													
Airflow rate at 100kPa static pressure	[m^3/h]	650		1,300		622		650		1,300		1,300	
Weight													
Condenser without electric stand-by	[kg]	34		40		30		36		36		42	
Condenser with electric stand-by	[kg]	70		78		56		72		72		80	
Evaporator	[kg]	9		18		10.2		10.5		19.6		19.6	
Road compressor													
Displacement	[cc]	146		163		131		131		146		146	

These products contain fluorinated greenhouse gases (R134a GWP=1,430 / R452A GWP=2,140.5).
Stand-by voltages available: 230/1/50 or 400/3/50
Vehicle voltages available: 12VDC

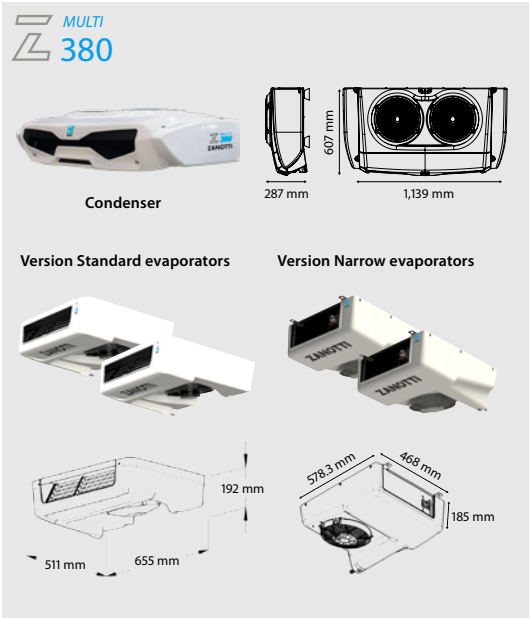
Zero Direct-Drive Multi-Temp

Z380 Multi



Z380 Multi and Z380 Multi (Narrow Evap) models are designed to meet the modern needs of low environmental impact refrigeration for light commercial vehicles. These units feature additional evaporators to enable transport of products with different temperature requirements in separate zones, available in multiple configurations to adapt to a wide range of applications.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.



Key Features:

- ☑ Multiple temperature zones in the same vehicle
- ☑ Proven reliability and performance
- ☑ Powered by direct-drive on road, electric grid on stand-by
- ☑ Easy to install and service with removable side panels
- ☑ Configurable for a wide range of refrigerated applications in light commercial vehicles
- ☑ Low noise
- ☑ User-friendly cabin driver interface
- ☑ Reduced refrigerant charge and maintenance costs
- ☑ Telematics-compatible
- ☑ 2-year standard warranty

		Z380 Multi		Z380 Multi (Narrow Evap)	
General					
Refrigerant	[-]	R452A			
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	3,265	1,655	3,250	1,310
Stand-by mode	[W]	2,030	640	2,420	1,030
Heating capacity					
Road mode	[W]	3,010		2,630	
Stand-by mode	[W]	1,770		1,520	
Airflow rate					
Airflow rate at 100kPa static pressure	[m^3/h]	2x 620		2x 830	
Weight					
Condenser without electric stand-by	[kg]	42		42	
Condenser with electric stand-by	[kg]	80		80	
Evaporator	[kg]	2x 10.2		2x 16	
Road compressor					
Displacement	[cc]	146		146	

These products contain fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-by voltages available: 230/1/50 or 400/3/50
Vehicle voltages available: 12VDC



Van
Electric



Invisible Electric

SFZ009e | SFZ009e Multi

The Invisible Electric range is designed for discreet and efficient transportation of refrigerated products in vans on electric power, both on road and during stand-by. A highly reliable battery-inverter package supplies the power, making the Invisible Electric an ideal choice for full-electric, hybrid, or conventional vehicles.

These units are installed underneath the vehicle chassis, completely invisible from the outside, preserving the aesthetics, original height and aerodynamics of the vehicle, while reducing bodywork. SFZ009e offers varying refrigeration capacities and volume ratings tuned for different applications. SFZ009e Multi features dual evaporators to enable products with different temperature requirements to be transported in two separate zones.

The Invisible range, with its ultra-thin dimensions make it the ideal choice for customers who need a space-saving solution. A driver-friendly interface in the cabin allows real-time monitoring and control of the unit performance to ensure the cargo is maintained at precisely the right temperature throughout the trip.

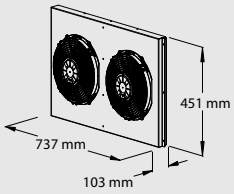
Key Features:

- ☑ Zero emissions
- ☑ Powered by reliable battery-inverter pack on road, chargeable on electric grid
- ☑ Compatible with full-electric, hybrid or conventional vehicles
- ☑ Multiple temperature zones in the same vehicle (Multi model only)
- ☑ Vehicle access to tight underground areas
- ☑ Under-chassis mounting preserves vehicle aesthetics and aerodynamics
- ☑ Invisible from the outside
- ☑ Low noise
- ☑ User-friendly cabin driver interface
- ☑ Telematics-compatible
- ☑ 2-year standard warranty

SFZ 009e

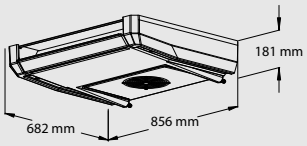


Condenser





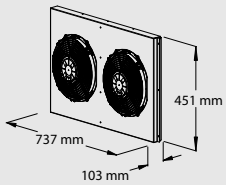
Evaporator



SFZ MULTI 009e

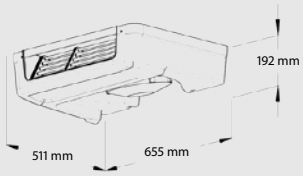


Condenser





Evaporator



		SFZ009e		SFZ009e Multi	
General					
Refrigerant	[-]	R452A			
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Battery mode	[W]	2,030	1,124	1,760	970
Heating capacity					
Battery mode	[W]	1,650		1,580	
Airflow rate					
Airflow rate at 100kPa static pressure	[m³/h]	840		2x 620	
Weight					
Condenser with electric stand-by	[kg]	75		75	
Evaporator	[kg]	20.5		2x 10.2	
Max current					
	[A]	165		170	

These products contain fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-by voltages available: 230/1/50 or 400/3/50
Vehicle voltages available: 12VDC or 24VDC

Provisional engineering data

Zero Electric

Z120b

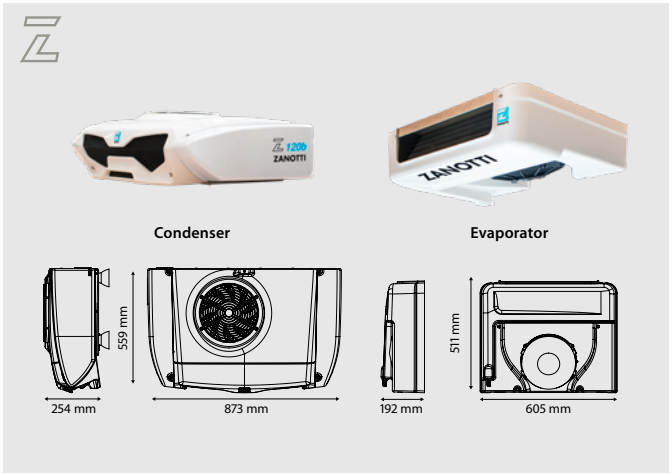
Z120b is powered by the vehicle battery, with minimal environmental impact and maximum cooling effectiveness ideal for refrigerated transport in vans. The unit can be installed quickly without any mechanical couplings with the vehicle engine, which also minimises power draw and thus emissions.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.



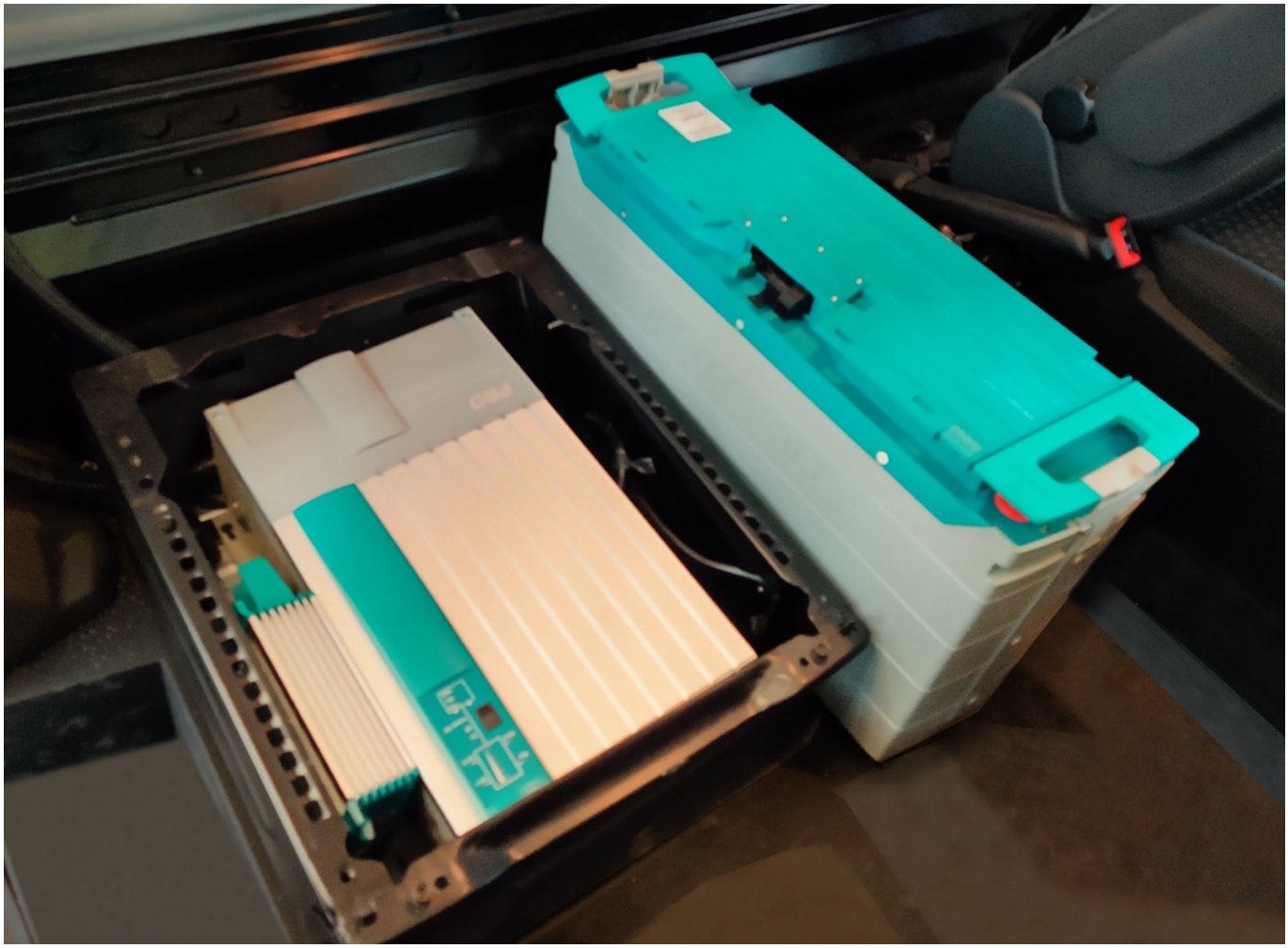
Key Features:

- ☑ Low emissions
- ☑ Proven reliability and performance
- ☑ Powered by vehicle battery on road, electric grid on stand-by
- ☑ Compatible with full-electric, hybrid or conventional vehicles
- ☑ Easy to install and service with removable side panels
- ☑ Low noise
- ☑ User-friendly cabin driver interface
- ☑ Reduced refrigerant charge and maintenance costs
- ☑ Telematics-compatible
- ☑ 2-year standard warranty, extendable up to 5 years



		Z120b	
General			
Refrigerant	[-]	R452A	
System net cooling capacity under ATP conditions (30°C ambient temperature)			
	[°C]	0°C	-20°C
Battery mode	[W]	1,300	550
Heating capacity			
Battery mode	[W]	1,100	
Airflow rate			
Airflow rate at 100kPa static pressure	[m³/h]	560	
Weight			
Condenser with electric stand-by	[kg]	64	
Evaporator	[kg]	10.2	
Max current			
	[A]	75	

This product contains fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-by voltages available: 230/1/50 or 400/3/50
Vehicle voltages available: 12VDC



Electric Power Supply

Our power supply packages are designed to match our Invisible Electric and Zero Electric ranges, providing a high level of reliability and customization for the specific vehicle and application needs.

The power supply can be configured as one or two DC lithium-ion batteries, each providing 1.25 to 5.5kW, up to 11kW total; and comes with a robust inverter battery charger.



Key Features:

- ☑ Zero emissions
- ☑ Zero maintenance
- ☑ Automotive-grade design with high reliability
- ☑ Long life with 3,500 cycles
- ☑ Fast charging
- ☑ 230VAC power for charging and stand-by operation
- ☑ Bluetooth connection with smartphone app
- ☑ Compatible with telematics, for remote battery monitoring
- ☑ Optional connection to vehicle DC battery for supplementary power supply
- ☑ Optional auxiliary input for external power supply



Battery Charger
Z120b only



Inverter Battery Charger
SFZ009e / Z200e / Z250e / Z350e / Z350e Multi



Zero Electric

Z200e | Z250e | Z350e | Z350e Multi

The Zero range meets the needs of the distribution industry by offering the utmost flexibility in the temperature management of refrigerated products. Zero Electric is designed to meet a wide range of applications in light commercial vehicles on electric power, both on road and during stand-by. A highly reliable battery-inverter package supplies the power, making Zero Electric an ideal choice for full-electric, hybrid, or conventional vehicles.

Z200e, Z250e and Z350e offer varying refrigeration capacities and volume ratings tuned for different applications. Z350e Multi features additional evaporators to enable transport of products with different temperature requirements in separate zones.

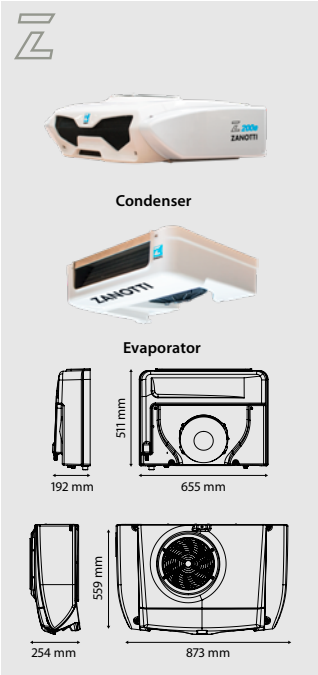
All Zero models provide easy installation and serviceability. The condensing unit can be installed as top-mount on the roof of the box or nose-mount on the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.

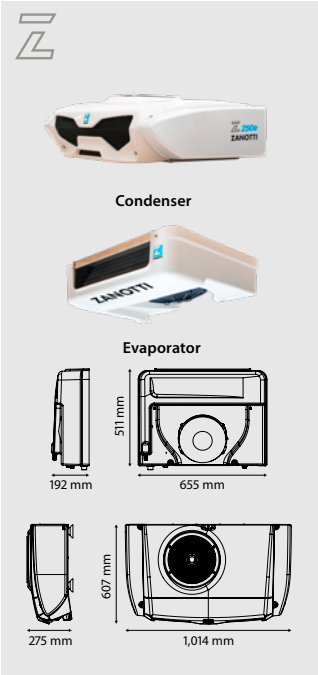
Key Features:

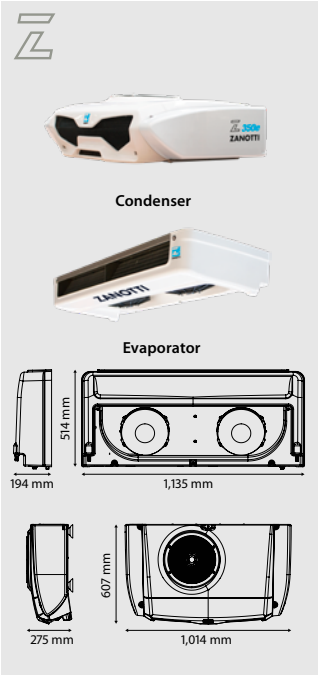
- ☑ Zero emissions
- ☑ Powered by reliable battery-inverter pack on road, chargeable on electric grid
- ☑ Compatible with full-electric, hybrid or conventional vehicles
- ☑ Multiple temperature zones in the same vehicle (Multi model only)
- ☑ Proven reliability and performance
- ☑ Easy to install and service with removable side panels
- ☑ Low noise
- ☑ Configurable for a wide range of refrigerated applications in light commercial vehicles
- ☑ User-friendly cabin driver interface
- ☑ Reduced refrigerant charge and maintenance costs
- ☑ Telematics-compatible
- ☑ 2-year standard warranty

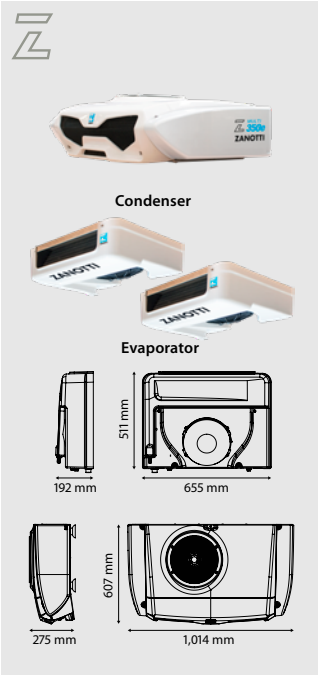


Z200e | Z250e | Z350e | Z350e Multi









		Z200e		Z250e		Z350e		Z350e Multi	
General									
Refrigerant	[-]	R452A							
System net cooling capacity under ATP conditions (30°C ambient temperature)									
	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C
Battery mode	[W]	1,495	695	1,735	955	1,880	1,045	1,940	830
Heating capacity									
Battery mode	[W]	1,200		1,500		1,650		1,600	
Airflow rate									
Airflow rate at 100kPa static pressure	[m³/h]	620		650		1,300		2x 620	
Weight									
Condenser with electric stand-by	[kg]	54		70		70		70	
Evaporator	[kg]	10.2		10.5		19.6		2X 10.2	
Max current									
	[A]	100		159		166		171	

These products contain fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-by voltages available: 230/1/50 or 400/3/50
Vehicle voltages available: 12VDC or 24VDC



Light Truck





SFZ

SFZ238 | SFZ248

SFZ is a robust direct-drive solution for refrigerated transport on light to medium trucks. It is a proven design optimized for energy-efficiency, low noise, and easy-to-service transport of temperature-controlled goods in medium sized boxes.

SFZ238 and SFZ248 are designed as nose-mount, installed on the front wall of the box, with multiple configurations of evaporators and fans to meet the requirements of a wide range of vehicle types and applications. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

Key Features:

- ☑ Proven reliability and performance
- ☑ Powered by direct-drive on road, electric grid on stand-by
- ☑ Easy to install and service, light weight
- ☑ Low noise
- ☑ Configurable for a wide range of refrigerated applications in light to medium trucks
- ☑ User-friendly cabin driver interface
- ☑ Telematics-compatible
- ☑ 2-year standard warranty







		SFZ238		SFZ248	
General					
Refrigerant	[-]	R452A			
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	4,700	2,470	5,100	2,570
Stand-by mode	[W]	3,830	2,010	4,405	2,005
Heating capacity					
Road mode	[W]	3,990		4,540	
Stand-by mode	[W]	3,310		2,800	
Airflow rate					
Airflow rate at 100kPa static pressure	[m^3/h]	1,670		3,340	
Weight					
Condenser without electric stand-by	[kg]	70		77	
Condenser with electric stand-by	[kg]	128		143	
Evaporator	[kg]	26.5		42.5	
Road compressor					
Displacement	[cc]	163		215	

These products contain fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-by voltages available: 230/1/50 or 400/3/50
Vehicle voltages available: 12VDC or 24VDC

SFZ Multi-Temp

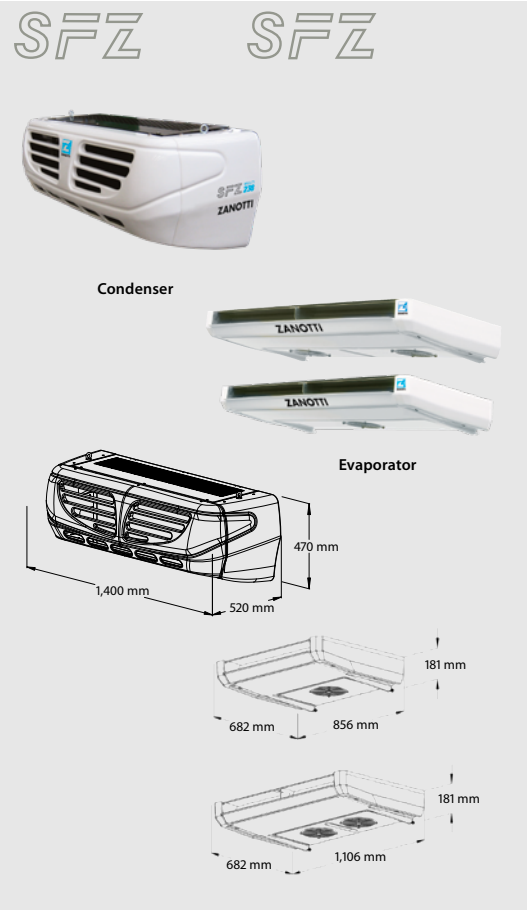
SFZ238 Multi | SFZ248 Multi

Our SFZ Multi-Temp range is designed to meet the modern needs of refrigeration for light to medium trucks. These units feature additional evaporators to enable transport of products with different temperature requirements in separate zones, available in multiple configurations to adapt to a wide range of applications. It is a proven design optimized for energy-efficiency, low noise, and easy-to-service transport of temperature-controlled goods in medium-sized boxes.

SFZ238 Multi and SFZ248 Multi are designed as nose-mount, installed on the front wall of the box. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

Key Features:

- ☑ Multiple temperature zones in the same vehicle
- ☑ Proven reliability and performance
- ☑ Powered by direct-drive on road, electric grid on stand-by
- ☑ Easy to install and service, lightweight
- ☑ Low noise
- ☑ Configurable for a wide range of refrigerated applications in light to medium trucks
- ☑ User-friendly cabin driver interface
- ☑ Telematics-compatible
- ☑ 2-year standard warranty



		SFZ238 Multi		SFZ248 Multi	
General					
Refrigerant	[-]	R452A			
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	4,240	2,135	5,080	2,560
Stand-by mode	[W]	3,570	1,635	4,130	2,020
Heating capacity					
Road mode	[W]	3,850		4,430	
Stand-by mode	[W]	3,230		3,610	
Airflow rate					
Airflow rate at 100kPa static pressure	[m^3/h]	2x 835		2x 1,670	
Weight					
Condenser without electric stand-by	[kg]	70		77	
Condenser with electric stand-by	[kg]	128		143	
Evaporator	[kg]	2x		2x	
Road compressor					
Displacement	[cc]	163		215	

These products contain fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-by voltages available: 230/1/50 or 400/3/50
Vehicle voltages available: 12VDC or 24VDC

Provisional engineering data



Truck



Uno

U600 | U800 | U1000

The redesigned Uno range of units are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in medium to heavy trucks. The Uno features Zanotti's innovative direct coupling design between the engine and the compressor, and utilize Daikin's expertise in design for reliability and performance. Their high cooling performance, energy efficiency and extended maintenance intervals minimise the total cost of ownership, while meeting the most stringent emission, material waste, and noise pollution regulations.

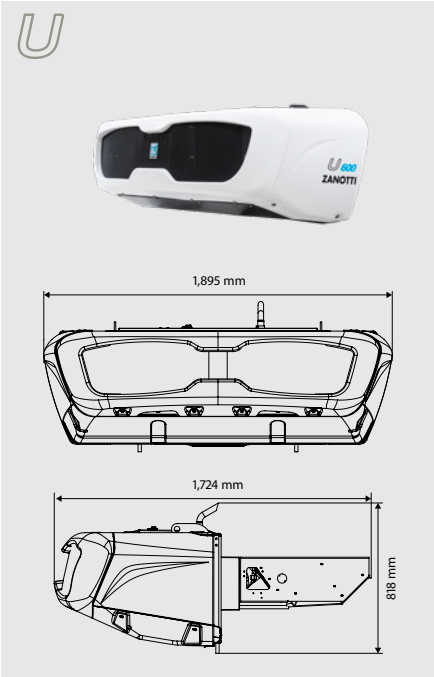
U600, U800, and U1000 are designed as nose-mount, installed on the front wall of the box. The electronics enabled advanced diagnostics and two-way telematics including remote monitoring and control. A robust interface in the cabin can be installed in the vehicle DIN slot or mounted on the dash, allowing real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

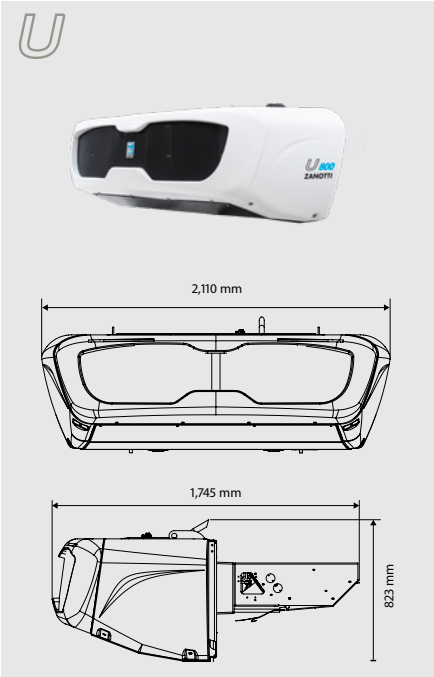
Key Features:

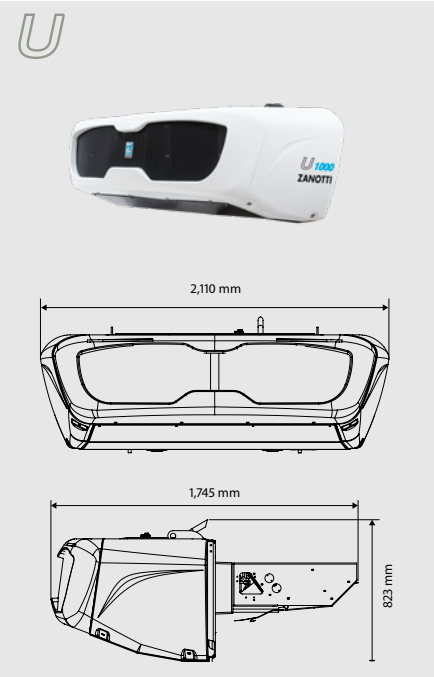
- ☑ Designed for high reliability with a custom Yanmar engine
- ☑ Innovative powertrain design enabling high performance and energy efficiency
- ☑ Reduced fuel consumption and noise
- ☑ Extended maintenance intervals
- ☑ All-new electronics compatible with two-way telematics
- ☑ 2-year standard warranty



U600 | U800 | U1000







		U600		U800		U1000	
General							
Refrigerant	[-]	R452A					
Defrost	[-]	Hot gas defrost					
System net cooling capacity under ATP conditions (30°C ambient temperature)							
	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C
Road mode	[W]	6,200	3,200	8,600	4,700	10,000	5,700
Stand-by mode	[W]	3,700	1,700	6,500	3,500	8,300	4,500
Heating capacity							
Road mode	[W]	5,400		7,500		8,700	
Stand-by mode	[W]	3,200		5,700		7,200	
Airflow rate							
Airflow rate at 100kPa static pressure	[m^3/h]	1,500		2,200		2,500	
Weight							
Monoblock road and stand-by	[kg]	485		500		549	
Monoblock road-only	[kg]	435		455		504	
Diesel engine							
Displacement	[cc]	854		1,116		1,116	
Rated power output	[kW]	11.5		15.1		15.1	
Maintenance interval	[hrs]	2,000		2,000		2,000	
Road compressor							
Displacement	[cc]	235		325		390	
Stand-by compressor							
Displacement	[m^3/h]	11.3		14.4		21.4	

These products contain fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-by voltages available: 400/3/50



Uno

U800 Multi | U1000 Multi

The redesigned Uno range of units are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in medium to heavy trucks. The Uno features Zanotti's innovative direct coupling design between the engine and the compressor, and utilise Daikin's expertise in design for reliability and performance. Their high cooling performance, energy efficiency and extended maintenance intervals minimise the total cost of ownership, while meeting the most stringent emission, material waste, and noise pollution regulations.

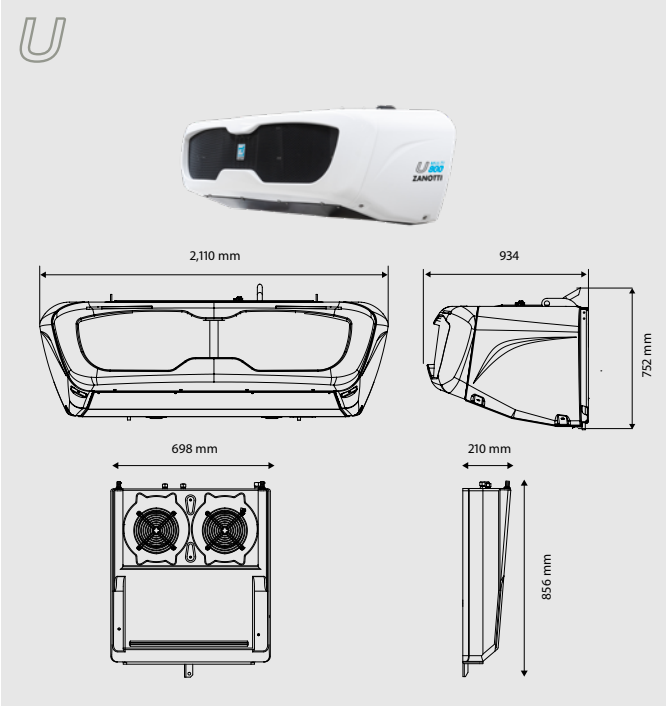
U800 Multi and U1000 Multi are designed as nose-mount, installed on the front wall of the box, with multiple configurations of evaporators and fans to meet the requirements of a wide range of vehicle types and applications. The electronics enabled advanced diagnostics and two-way telematics including remote monitoring and control. A robust interface in the cabin can be installed in the vehicle DIN slot or mounted on the dash, allowing real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

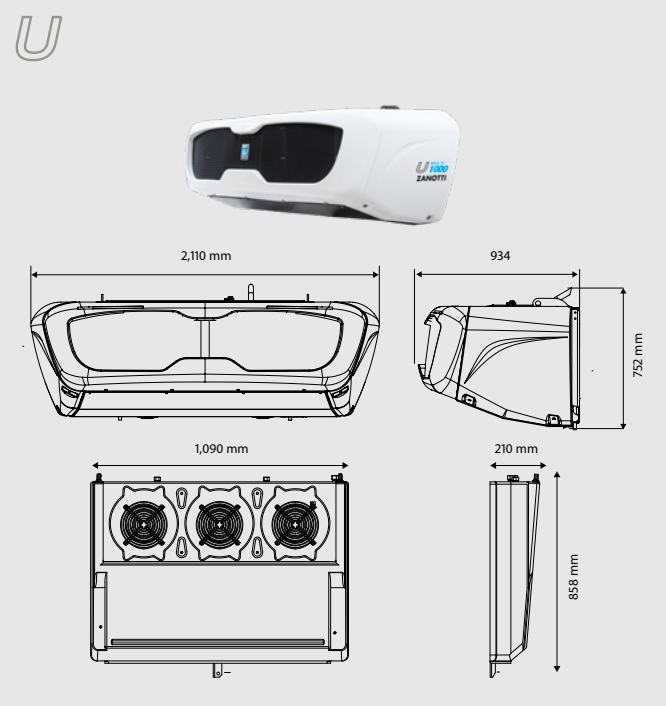
Key Features:

- ☑ Multiple temperature zones in the same vehicle
- ☑ Designed for high reliability with a custom Yanmar engine
- ☑ Innovative powertrain design enabling high performance and energy efficiency
- ☑ Reduced fuel consumption and noise
- ☑ Extended maintenance intervals
- ☑ All-new electronics compatible with two-way telematics
- ☑ 2-year standard warranty, extendable up to 5 years



The all-new Uno cabin controller is modern technology in a robust build.





		U800 Multi		U1000 Multi	
General					
Refrigerant	[-]	R452A			
Defrost	[-]	Hot gas defrost			
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	7,970	4,140	9,800	5,400
Stand-by mode	[W]	6,050	3,075	8,700	4,500
Heating capacity					
Road mode	[W]	7,300		8,500	
Stand-by mode	[W]	4,900		7,600	
Airflow rate					
Airflow rate at 100kPa static pressure	[m^3/h]	2x 1,680		2x 2,520	
Weight					
Split road and stand-by	[kg]	500		505	
Monoblock road-only	[kg]	460		465	
Evaporator	[kg]	35 x 2		40 x 2	
Diesel engine					
Displacement	[cc]	1,116		1,116	
Rated power output	[kW]	13.2		13.2	
Maintenance interval	[hrs]	2,000		2,000	
Road compressor					
Displacement	[cc]	325		390	
Stand-by compressor					
Displacement	[m^3/h]	14.4		21.4	

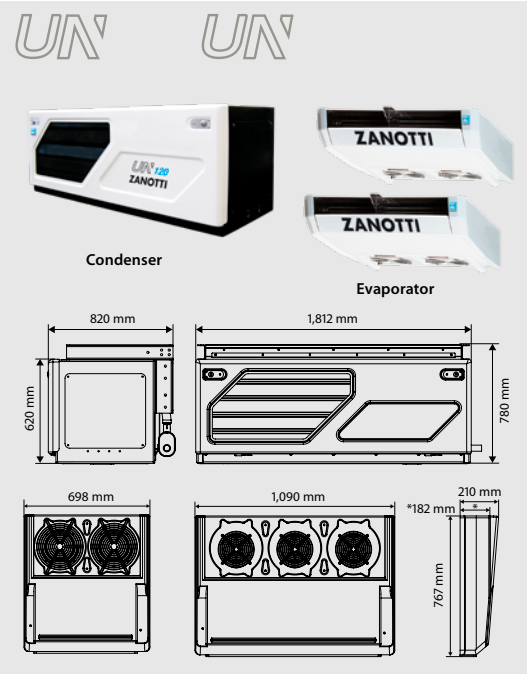
These products contain fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-by voltages available: 400/3/50

Uno Undermount

UN120 | UN120 Multi

Uno Undermount models are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in heavy trucks. The units feature Zanotti's innovative direct coupling design between the engine and the compressor.

UN120 and UN120 Multi are undermount units designed to be installed under the box. UN120 Multi features additional evaporators to enable transport of products with different temperature requirements in separate zones. A driver-friendly interface in the cabin enables them to monitor and modify performance to ensure it is kept at precisely the right temperature throughout the trip.



Key Features:

- ☑ Multiple temperature zones in the same vehicle (Multi model only)
- ☑ Designed for high reliability with a custom Yanmar engine
- ☑ Innovative powertrain design enabling high performance and energy efficiency
- ☑ Reduced fuel consumption and noise
- ☑ Telematics-compatible
- ☑ 2-year standard warranty

		UN120		UN120 Multi	
General					
Refrigerant	[-]	R452A			
Defrost	[-]	Hot gas defrost			
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	11,500	6,200	10,600	5,700
Stand-by mode	[W]	8,200	4,200	7,500	3,900
Heating capacity					
Road mode	[W]	10,000		9,500	
Stand-by mode	[W]	7,100		6,700	
Airflow rate					
Airflow rate at 100kPa static pressure	[m^3/h]	4,500		2x 2,520	
Weight					
Condensing unit road and stand-by	[kg]	510		510	
Condensing unit road-only	[kg]	475		475	
Evaporators	[kg]	40		40 x 2	
Diesel engine					
Displacement	[cc]	1,116		1,116	
Rated power output	[kW]	13.2		13.2	
Maintenance interval	[hrs]	2,000		2,000	
Road compressor					
Displacement	[cc]	390		390	
Stand-by compressor					
Displacement	[m^3/h]	21.4		21.4	

These products contain fluorinated greenhouse gases (R452A GWP=2,140.5).
Stand-By voltages available: 400/3/50

Provisional engineering data

Eutectic Inserts

Inpacs Small l Medium l Large

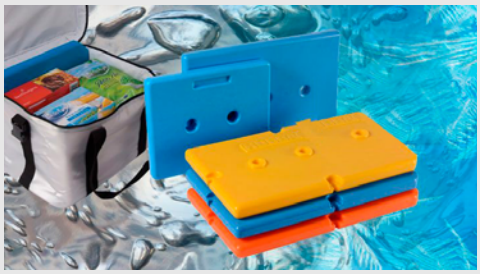
Our Hubbard branded Inpacs are specifically designed for low-cost chilling or freezing where mechanical refrigeration is not practical. They are available in a range of sizes to suit all styles of last mile delivery requirements.

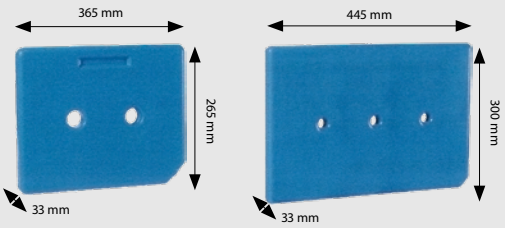
Inpac inserts contain a eutectic solution which has a pre-determined freezing temperature. Cooling preparation is achieved by placing the inserts for a minimum of 12 hours prior to use in a freezer cabinet, cold store or dedicated facility capable of cooling to 8°C below the required holding temperature.

Our patented phase change material features superior energy density, delivering 33% more energy storage than existing products, extending the cargo storage time. With suitable levels of insulation, an Inpac can maintain temperature within a delivery container for up to 4 hours.

Inpacs are designed to be easy to identify in the cooling preparation area, even when stacked in large quantities. Large Inpacs are colour-coded, and designed to stack on top of each other and feature raised 'lugs' to create the optimal airflow between them during the cooling preparation process.

Hubbard Inpacs are manufactured from a durable polyester plastic to resist damage in the workplace. The units are reusable with minimum maintenance, and are classified as long-life items.

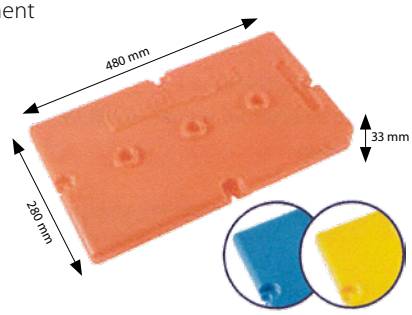




Key Features:

- ☑ Patented eutectic solution delivers 33% more energy storage
- ☑ Maintain temperature up to 4 hours in delivery container
- ☑ Available in three sizes
- ☑ Colour-coded for dispatch schedules or temperature requirement
- ☑ Versatile, low-cost chilling or freezing
- ☑ Virtually maintenance free
- ☑ One-piece moulding – wipe clean smooth surfaces for greater hygiene
- ☑ Lightweight and robust – built for everyday use without risk of leakage

Inpacs Large in Colour
Colour coded for dispatch schedules or temperature requirement



Application examples
› Blood products › Frozen Food › Sandwiches › Cakes › Flowers › Ice Cream › Vegetables › Chilled Food › Fish › Display cabinets › Milk › Dairy products › Pies › Meat

Typical Users
› Caterers › Local authorities › Butchers › Railway and Airline catering › Electric Vehicle operators › Home Delivery › Hospitals › Bakers › Restaurants › Hotels › Dairy Industry › Sandwich Suppliers › Ice Cream Vendors



Typical chill container



Typical freeze container

Refrigeration Capacity		Inpac Small	Inpac Medium	Inpac Large
Chill -3°C	[W]	200	290	290
Frozen -15°C	[W]	162	232	232
Dimensions (wxhxd)	[mm]	365x265x30	445x300x33	480x280x33





Trailer



Exigo
E1500

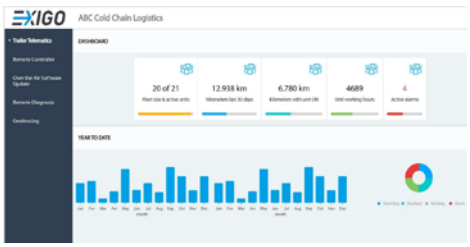
Daikin Exigo E1500 is the reflection of our legacy in innovation, reliability, and transport refrigeration expertise.
E1500 is the pinnacle of diesel-powered refrigeration, built on an electric-ready platform.

Exigo offers minimum total cost of ownership and maximum peace of mind

› Full variable speed achieving lower fuel consumption than fixed speed units
› Electric architecture providing 15kW true capacity both on the road and the grid
› Highest cooling power of the category in frozen applications
› Ease of unit operation with high resolution graphical user interface
› Ease of fleet management via advanced telematics, compatible across platforms
› Daikin components with proven reliability and lightweight design (over 100kg lighter)
› Low-noise as standard, PIEK available
› Reduced maintenance downtime with 3,000h service interval as standard
› 2-year warranty, telematics and maintenance coverage included as standard
› EMEA sales and service network backed by Daikin



High resolution graphical user interface

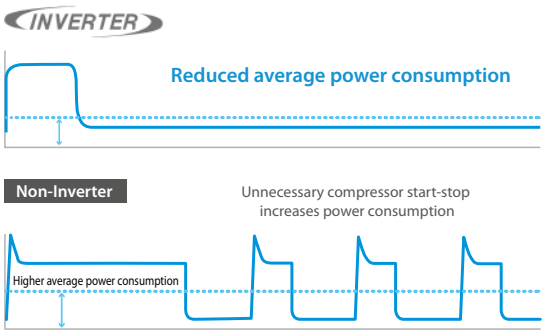


Advanced telematics included as standard

E1500

EXIGO





Inverter reduces power and fuel consumption by eliminating unnecessary compressor start-stop

Specifications*	
Cooling Capacity 30/0°C (W) - Road and Grid	15,000
Cooling Capacity 30/-20°C (W) - Road and Grid	8,800
Heating Capacity -20/+2°C (W) - Road and Grid	10,500
Air Flow Rate Evaporator at Max Pulldown (m3/h)	5,500
Engine	Kubota Custom Diesel Engine 1,500 cc / 4 Cylinders NRMM Stage V Compliant
Generator	15kW / 400V 3P 50Hz / Direct Drive
Compressor	Custom Scroll Compressor / Economizer / Inverter
Variable Speed Components	Compressor / Evaporator Fans / Condenser Fans
Temperature Zones	Single
Controller	Daikin PCB
User Interface	7" High Resolution LCD
Refrigerant	R452A
Weight (kg)	700
Unit Dimensions W x H x D (mm)	2,072 x 2,227 x 440
Low Noise	PIEK as option
Maintenance Interval (h)	3,000
Connectivity	Telematics with 2-year contract included
Maintenance	Maintenance with 2-year contract included

* Provisional engineering data

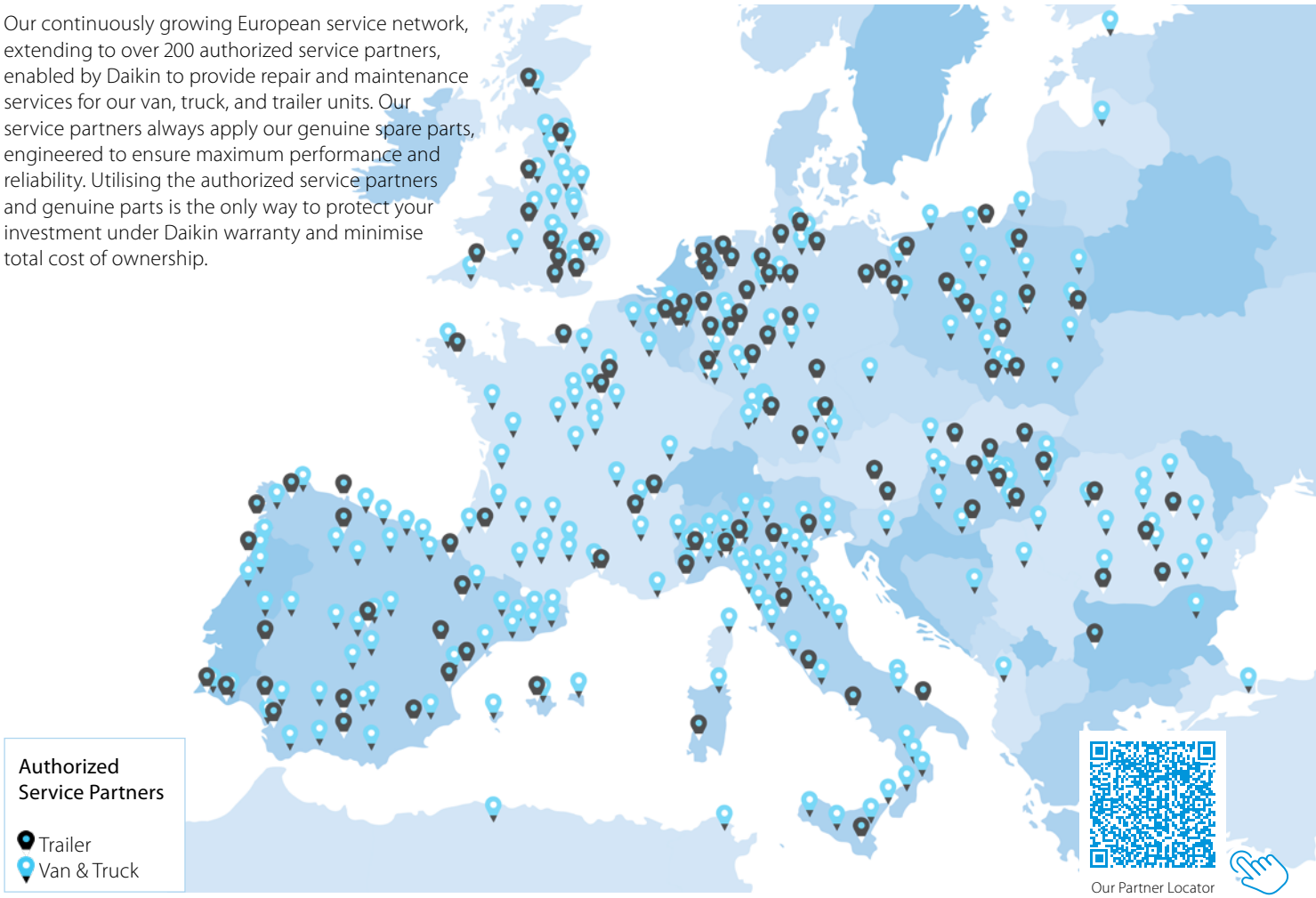

DAIKIN
Transport Refrigeration



Services

Service Network

Our continuously growing European service network, extending to over 200 authorized service partners, enabled by Daikin to provide repair and maintenance services for our van, truck, and trailer units. Our service partners always apply our genuine spare parts, engineered to ensure maximum performance and reliability. Utilising the authorized service partners and genuine parts is the only way to protect your investment under Daikin warranty and minimise total cost of ownership.



Service Contracts

Our vision in Daikin Transport Refrigeration is to support the entire lifecycle of our customers' products. All our transport refrigeration units come standard with a two-year warranty. With the launch of Daikin Exigo trailer refrigeration unit, we are introducing the following additional service contracts.

Maintenance Plan

Exigo comes standard with a two-year maintenance plan, covering the scheduled service intervals at national service providers. After the first two years, the contract is renewable on an annual basis.

24/7 Breakdown Support

Our European call center will help arrange breakdown service regardless of time, location or language. This service is also included as standard for the first two years, renewable annually.

Extended Warranty

Exigo international parts & labor warranty can be extended on an annual basis after the first two years of standard warranty. The Extended Warranty contract requires Telematics and Maintenance Plan to be also selected.

Stand By Me

Exigo customers will have access to the Daikin Stand By Me portal which simplifies contract management and renewal for fleet managers.

STAND BY ME

Telematics

Daikin Telematics help trailer fleet managers gain greater insight and control over their fleet remotely. The back-end of our system is supported by an EU-based provider highly experienced in commercial vehicle telematics providing connectivity across EMEA. Exigo comes standard with two-year telematics and renewable annually afterwards.

The telematics framework is designed with the customer in mind, providing utmost flexibility by being configurable for third-party fleet management software. The included telematics portal provides state-of-the-art visibility and control of each unit in the fleet.

- ☑ Live location monitoring on map
- ☑ Remote HMI display and control
- ☑ Error messages with push notification
- ☑ Geofence alarm and low-noise programming
- ☑ Remote unit diagnostics
- ☑ Over-the-air software update
- ☑ Intuitive online fleet management portal
- ☑ Configurable for existing fleet management software



Service Contracts	Zanotti Van & Truck Range (First 2 years)	Daikin Exigo (First 2 years)	Daikin Exigo (Annual Renewal)
Warranty EMEA parts and labor warranty coverage	Included	Included	Optional Extended Warranty (requires) Telematics and Maintenance Plan)
Telematics EMEA coverage and fleet management portal access		Included	Optional
Maintenance Plan National scheduled preventative maintenance		Included	Optional
24/7 Breakdown Support Call center support in main European languages		Included	Optional

Connect with Daikin



If you are a user or installer it is important you can **interact with our systems** in the easiest way, from **anywhere you are**. For any user our interfaces create **peace of mind** that their system is running in the best possible way.



White Silver Black

Depending on the type of user and application Daikin develops controls and cloud services to ensure the best experience.

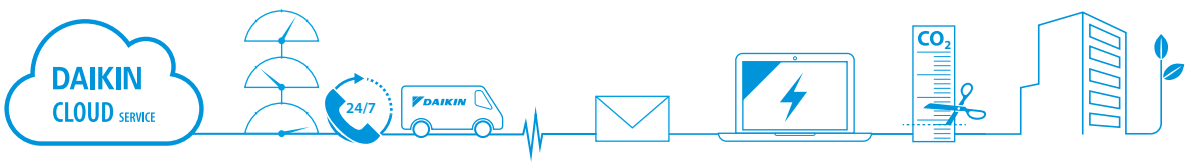
- For home owners it means **app and voice control** of their home comfort.
- For hotel owners it means easy and stylish **personal control for guests**, with an integration in hotel booking software for central control
- For technical managers it means **cloud access** to all sites, with the possibility to benchmark, optimize performance
- For installers it means **easy transfer of settings during commissioning**, remote retrieval of errors and preventive alerts to save time on maintenance or interventions

Our controls enable you to **connect with your customer**, save time, improve your comfort intelligently and reduce energy bills.





Remote monitoring



Control Systems

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Individual control systems 898

Onecta App 898

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Madoka wired remote controller 904

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Individual wireless room controllers 910

Multi zone controller 912

NEW Daikin mAP 914

Centralised control systems 916

Centralised remote controller / Unified ON/OFF controller 916

intelligent Touch Controller 917

intelligent Tablet Controller 918

intelligent Touch Manager 920

intelligent Chiller Manager 926

Standard protocol interfaces 930

Modbus interface 930

KNX Interface 934

PMS Interface for hotels 935

BACnet Interface 936

LonWorks Interface 937

Daikin Cloud Service for commercial DX systems 938

Daikin on Site for Applied systems 940

Indoor Environmental Sensor 942

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Wireless room temperature sensor 947

Wired room temperature sensor 947

Other integration devices 948

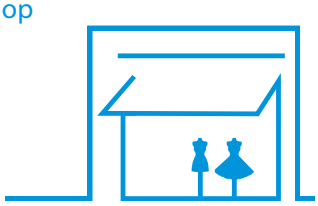
Options & Accessories 949

Control solutions summary

Daikin offers various control solution adapted to the requirements of even the most demanding commercial application.

› Basic control solutions for those customers with few requirements and limited budget
› Integrating control solutions for those customers that would like to integrate Daikin units into their existing BMS system
› Advanced control solutions for those customers that expect Daikin to deliver a mini BMS solution, including advance energy management

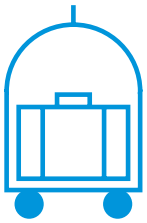
Shop



	Unit control			Integrating control			Advanced control	
								
	BRP069*	BRC1H52W/S/K	RTD-20	RTD-Net	KLIC DI V2	EKMBDXA	DCC601A51	DCM601B51
	Smartphone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	Two additional probes can be connected	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●	●	●
Limit control possibilities for shop staff	●	●	●	●	●	●	●	●
Create zones within the shop			●				●	●
Interlock with eg. Alarm, PIR sensor			●				● (limited)	●
Integration into smart home systems	● (7)							
Integrate Daikin units into existing BMS via Modbus				●		●		
Integrate Daikin units into existing BMS via KNX					●			
Integrate Daikin units into existing BMS via HTTP								●
Monitor energy consumption	● (4)	● (4)					● (2)	●
Advanced energy management							● (2)	● (6)
Allows free cooling								●
Voice control	● (6)							
Integrate Daikin products cross pillars into Daikin BMS								●
Integrate third party products into Daikin BMS							●	●
Online control	●						● (2)	● (3)
Manage multiple sites							● (2)	● (3)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via Daikin cloud service (3) Through own IT set-up (not Daikin cloud server) (4) Not available on all indoors (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) Only for BRP069C51, connection to Google Assistant and Amazon Alexa; (7) only for BRP069C51, contact your local sales representative for an overview of available services.

Hotel



	Unit control	Integrating control		Advanced control	
					
	BRC1H52W/S/K	RTD-HO	KLIC DI V2	DCM010A51	DCM601B51
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	Two additional probes can be connected	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)
Hotel guest can control & monitor basic functionalities from his room	●	●	● (3)		●
Limit control possibilities for hotel guests	●	●	●	●	●
Interlock with window contact	● (2)	●			●
Interlock with key-card	● (2)	●			●
Integrate Daikin units into existing BMS via Modbus		●			
Integrate Daikin units into existing BMS via KNX			●		
Integrate Daikin units into existing BMS via HTTP					●
Integrate Daikin unit control in hotel booking software				● Oracle Opera PMS	
Monitor energy consumption					●
Advanced energy management					●
Integrate Daikin products cross pillars into Daikin BMS					●
Integrate third party products into Daikin BMS					●
Online control					●

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via BRP7A51 adapter (3) requires KNX compatible controller

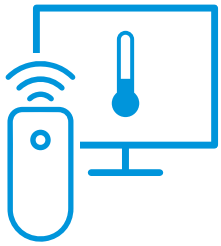
Office



	Unit control	Integrating control			Advanced control	
			 LonWorks Interface	 BACnet Interface	 intelligent Controller	 intelligent Manager
	BRC1H52W/S/K	EKMBDXB	DMS504B51	DMS502A51	DCC601A51	DCM601B51
	1 remote controller for 1 indoor unit (group)	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 gateway for 64 indoor unit(s) (groups)	1 gateway for 128 indoor unit(s) (groups), 20 out-doors (2)	1 unit for 32 indoor unit(s) (groups) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●
Centralised control for management		●	●	●	●	●
Local control for office staff	●				● (4)	● through Web Remote management
Limit control possibilities for office staff	●	●	●	●	●	●
Integrate Daikin units into existing BMS via Modbus		●				
Integrate Daikin units into existing BMS via HTTP						●
Integrate Daikin units into existing BMS via LonTalk			●			
Integrate Daikin units into existing BMS via BACnet				●		
Energy consumption read out	● (3)					
Monitor energy consumption					● (4)	●
Advanced energy management					● (4)	●
PPD software to distribute used kWh/indoor unit				● (6)		● (7)
Integrate Daikin cross pillar products into Daikin BMS						●
Integrate third party products into Daikin BMS					●	●
Online control					● (4)	●
Manage multiple sites					● (4)	● (5)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) extension (DAM411B51) needed to have up to 256 indoor unit(s) (groups), 40 outdoors (3) Not available on all indoor units (4) Via Daikin cloud service (5) Through own IT set-up (not Daikin cloud sever) (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) via DAM412B51 option (7) via DCM002A51 option

Infrastructure cooling



	Unit	Integrating	Advanced
			 intelligent Manager
	BRC1H52W/S/K	RTD-10	DCM601B51
	1 remote controller for 1 indoor unit (group) (2)	1 gateway for 1 indoor unit (group) Up to 8 gateways can be linked together	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●
Back-up operation	●	●	●
Duty rotation	●	●	●
Limit control possibilities in the technical cooling room	●	●	●
If room temperature above max., then show alarm & start standby unit.		●	●
If an error occurs, an alarm will be shown.	●	●	●
If an error occurs, activate an alarm output	Via KRP2/4A option (3)	●	Via WAGO I/O

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Infrastructure cooling functions only compatible with indoor units connected to RZQG*/RZAG* outdoor units. (3) See option list of indoor unit



Onecta App

Now available with voice control

The Onecta App is for those who live their life on the go and who want to manage their Daikin system from their smartphone.



onecta

NEW

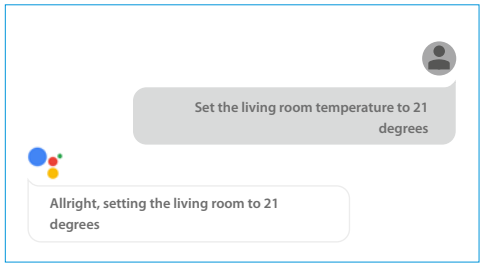
Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

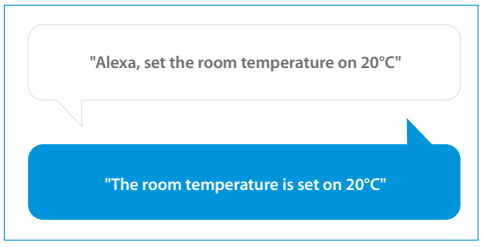
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.

works with the Google Assistant

amazon alexa



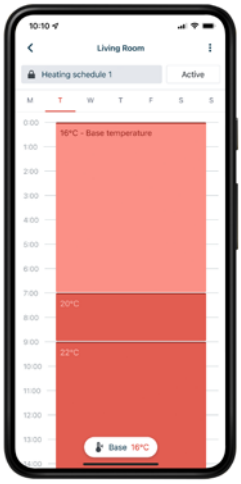
Example of using the voice control via Google Assistant



Example of using the voice control via Amazon Alexa



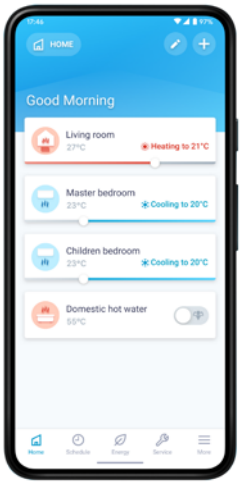




Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

- ☑ Schedule room temperature and operation mode
- ☑ Enable holiday mode to save costs



Control

Customise the system to fit your lifestyle and year-round comfort levels.

- ☑ Change room and domestic hot water temperature
- ☑ Turn on powerful mode to boost hot water production



Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- ☑ Check the status of the heating system
- ☑ Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode.
The app functionality is only available if both the Daikin system and the app have a reliable internet connection.

Available on the App Store | GET IT ON Google Play

Scan the QR code to download the app now

Onecta connectable units

Integrated in unit
- FTXJ-AW/S/B
- FTXA-AW/BS/BT/BB
- C/FTXM-R
- FVXM-A(9)
- FTXP20-35N
- FTXTA-BW/BB
- FTXTM-R
- ATXM-R

BRP069B41
- FTXJ-MW/S *
- FTXP50-71N*

BRP069B42
- FTXZ-N
- FVXM-F

BRP069B45
- FTXP-M9
- ATXP-M
- FTXF-D/E
- FTXTP-M*
- ATXTP-M*
- ATXF-A/E
- FTXC-D
- ATXC-D

BRC069C81 **
Ceiling mounted
- FFA-A9

Concealed ceiling
- FDXM-F9
- FBA-A(9)
- FDA125A
- ADEA-A

Wall mounted
- FAA-B

Ceiling suspended
- FHA-A(9)
- FUA-A

Floor standing
- FVA-A
- FNA-A9

BRC069C82 **
Ceiling mounted
- FCAHG-H
- FCAG-B
- FDA200-250A

BRP069C51 ***
VRV 5 indoor units
- FXFA-A
- FXZA-A
- FXDA-A
- FXSA-A
- FXMA-A
- FXHA-A
- FXUA-A
- FXAA-A

* adapter included with the unit
** Wired remote controller must be connected to the indoor unit to operate online controller
*** Must be combined with BRC1H52W/S/K

Onecta app provides support to all units with a LAN or WLAN adapter


Living room
23°C



DCS residential

Remote monitoring and servicing

DCS Residential

From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation. By changing certain settings, they can improve your comfort immediately. Save time and get a better support, thanks to these new features.





How to access?

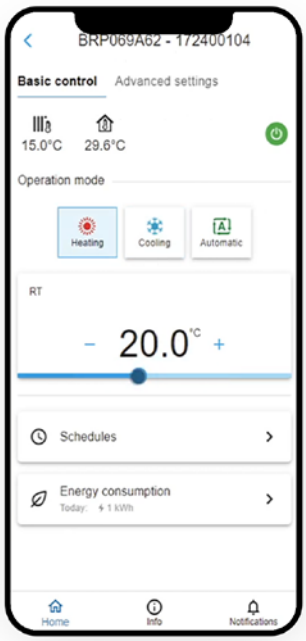
Through the e-care app and SBM Pro portal.

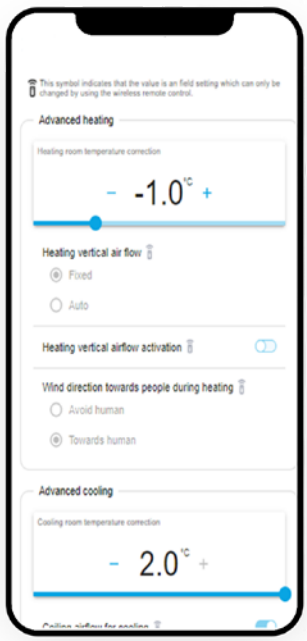
What to expect

Remote monitoring and servicing of split products, after consent from the end user.

- Control your customer's unit and change settings.
- Read out temperature, energy consumption and error codes.

	Description	DCS lite
CONTROL	Unit on/off	•
	Operation mode	•
	Temperature set point	•
	Fan speed	•
	Econo mode	•
	Schedules	•
	Flash streamer	•
	Powerful mode	•
	Comfort	•
	Horizontal swing	•
	Vertical swing	•
	Demand control	•
	Holiday mode	•
INFO	Indoor temperature	•
	Outdoor temperature	•
	Energy consumption	•
	Error state & code	•
	Adapter model number	•
	Adapter serial number	•





Madoka wired remote controller

Madoka

The beauty of simplicity.



Silver
RAL 9006 (metallic)
BRC1H52S



Black
RAL 9005 (matte)
BRC1H52K



White
RAL9003 (glossy)
BRC1H52W

User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

- Sleek and elegant design
- Intuitive touch-button control
- Three display options: standard, detailed and **new symbolic view**
- Three colours to match any interior
- Compact, measures only 85 x 85 mm
- Advanced settings **copy function** and commissioning via smartphone

NEW › CO_2 concentration visualisation

reddot award 2018
winner

DESIGN AWARD 2018

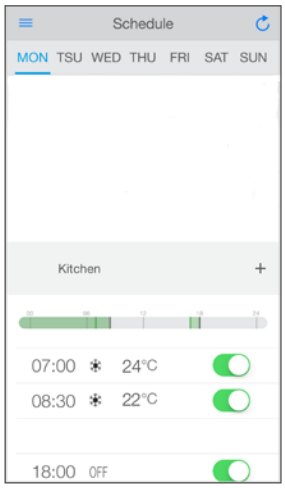


Madoka Assistant

Simplifies the advanced settings such as schedule or set point limitation

- ☑ Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- ☑ Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- ☑ Easy and quick commissioning
- ☑ Featuring Bluetooth® low energy technology

Easy setting of schedules



Advanced user settings

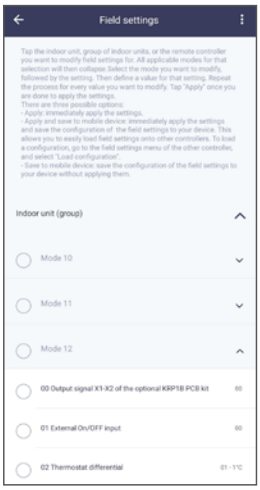


NEW

Bluetooth strength indication



Field settings



BRC1H52W / BRC1H52S / BRC1H52K

Madoka wired remote controller for Sky Air and VRV



BRC1H52W
Symbollic view



BRC1H52S
Standard view



BRC1H52K
CO_2 visualisation

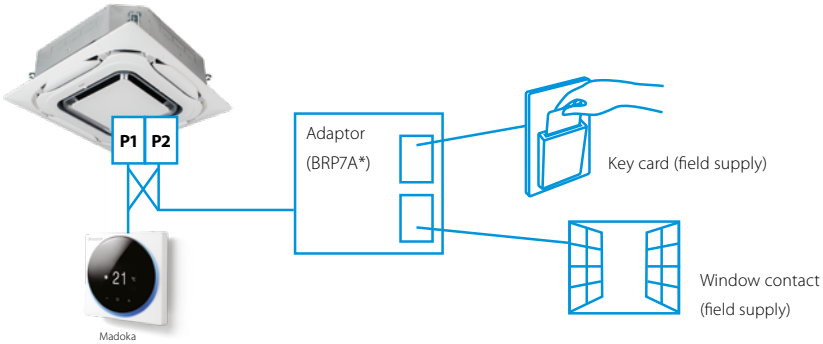
A complete redesigned controller focussed to enhance user experience

› Sleek and elegant design
› Intuitive touch-button control
› Three display options: standard, detailed and **new symbolic view**
› Direct access to basic functions
(on/off, set point, mode, target values, fan speed, louvres, filter icon & reset, error & code)
› Three colours to match any interior
› Compact, measures only 85 x 85 mm
› Real time clock with auto update to daylight saving time

Hotel application features

› Energy saving through key card, window contact integration and set point limitation (BRP7A*)
› Flexible setback function ensures room temperature remains within comfortable limits to ensure guest comfort

Key card and window contact integration





Madoka Assistant: Advanced settings can be easily done via your smartphone

A range of energy-saving functions that can be selected individually

› Temperature range restriction:
Save on energy by setting the low temperature limit in cooling mode and the high temperature limit in heating mode (1)
› Setback function
› Adjustable presence detector and floor sensor (available on the Round Flow and Fully Flat Cassettes)
› Automatic temperature reset
› Auto off timer

Kilowatt-hour consumption tracking (2)

The kWh indicator displays indicative power consumption for the last day/month/year.

Other functions

› NEW Three user access levels: Basic user, Advanced and Installer to match user requirements and prevent improper use.
› Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
› NEW Mark frequently used menu's as favourites for direct access
› Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/mid-season)
› Menu settings can be individually locked or restricted
› The outdoor unit can be set to quiet mode and power consumption limit control by schedule (3)
› Real-time clock that updates automatically for daylight saving

DUTY ROTATION

Cost-effective solution for infrastructure cooling applications

› Only in combination with RZAG* / RZQG*
› Duty rotation

After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime. Rotation interval can be set for 6, 12, 24, 72 or 96 hours, as well as weekly.

› Back-up operation: if one unit fails, the other unit will start automatically

(1) Also available in auto cooling/heating changeover mode
(2) For Sky Air FBA, FCAG and FCAHG pair combinations only
(3) Only available on RZAG*, RZASG*, RZQG*, RZQSG*

BRC1HHDW / BRC1HHDS / BRC1HHDK

Madoka wired remote controller for Daikin Altherma 3 heat pumps



BRC1HHDW



BRC1HHDS



BRC1HHDK

A new generation of user interface, redesigned and intuitive



Intuitive control with a premium design:

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large easy to read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

Three colours to match any interior design:

No matter your interior design, Madoka will match it. Silver gives an additional touch to stand out in any interior or application, while Black is an ideal match for darker, stylish interiors. White offers a sleek, modern look.

Easily set operation parameters:

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room teperature and control the domestic hot water temperature.

Easy Update via Bluetooth:

It is strongly recommended that the user interface has the latest software version. To update the software or check if updates are available, you need a mobile device and the Madoka Assistant app. This app is available from Google Play and the Apple Store.

GET IT ON Google Play

Available on the App Store

www.daikin.eu/madoka

EKRUCB*

Wired remote control for Heating

Control

› Manage space heating, cooling, domestic hot water and among others, booster mode
› User-friendly remote control with contemporary design
› Easy to use with direct accessibility to all main functions

Comfort

› An additional user interface can include a room thermostat in the space to be heated
› Easy commissioning: intuitive interface for advanced menu settings

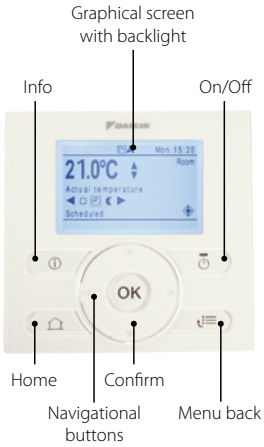
* only in combination with EKRTETS

General features

Several languages possible depending on the model, including: English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Applicable Daikin units

› Daikin Altherma R (F/W)
  - Daikin Altherma M
› Daikin Altherma R Hybrid
› Daikin Altherma GEO
› Domestic hot water heat pump



EKRUAHTB

System controller for Daikin Altherma

Control

Reduce installation time

› Program all settings for an installation on a laptop computer and simply upload them to the controller during commissioning
› Reuse similar settings for related installations

Improve service diagnostics and maintenance

› The controller records the time, date and nature of the last 20 error occurrences

Comfort

Maximise comfort with stable room temperatures

› Raise or lower water temperature as a function of the actual room temperature
› Manage energy consumption
› Intuitive screen displays the output and input energy of the unit provide consumption transparency

General features

Weather depending floating set point

When the floating set point function is enabled, the set point for the leaving water temperature will be dependent on the outside ambient air temperature. At low outside ambient air temperatures, the leaving water temperature will increase to satisfy the rising heat requirement of the building. At warmer temperatures, the leaving water temperature will decrease to save energy.

Applicable Daikin units

› Daikin Altherma R HT
› Daikin Altherma R Flex Type HT



Applicable Daikin units







			BRC1HHDW/S/K	EKRUCB*	EKRUHML*	EKRUAHTB	DOTROOMTHEAA
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	EPRA14-18D7 + ETV/B*-E7	•				
Daikin Altherma 3 H HT ECH2O	14-16-18 kW	EPRA14-18E + ETS*-E7	•				
Daikin Altherma 3 H MT (F/W)	8-10-12 kW	EPRA08-12E + ETV/B*-E	•				
Daikin Altherma 3 H MT (ECH2O)	8-10-12 kW	EPRA08-12E + ETS*-E	•				
Daikin Altherma 3 R (F/W)	4-6-8kW	ERGA-E* + EHV/B*-E	•				
Daikin Altherma 3 R ECH2O	4-6-8kW	ERGA-E* + EHS*-E	•				
Daikin Altherma 3 R (F/W)	11-14-16 kW	ERLA-D* + EBV/B*-D	•				
Daikin Altherma 3 R ECH2O	11-14-16 kW	ERLA-D* + EBS*-D	•				
Daikin Altherma R HT	11-14-16 kW	EKHBRD-ADV/Y17 + ER(R/S)Q-AV/Y1				•	
Daikin Altherma 3 M	4-6-8-9-11-14-16 kW	E(B/D)LA-E/D*	•				
Daikin Altherma R Hybrid	5-8 kW	EVLQ-CV3		•			
Daikin Altherma H Hybrid	4 kW	EJHA-AV3			•		
Daikin Altherma 3 GEO	6-10 kW	EGSA(H/X)-D9W	•				
Daikin Altherma 3 C Gas W	12-35 kW	D2CND-A1A/A4A					•

Individual room control system for temperature adjustment of heating and cooling systems





General features

› Improve energy efficiency of the home
› Universally deployable and scalable
› Easy and intuitive installation, operation and maintenance
› Cost effective and convenient for the end-user

Comfort

With the help of an electronic room-by-room control system, users can regulate the temperature individually in each room.

In addition to the warmth output of the actual heating surfaces, the room temperature control system also takes all other heat sources into account, such as sunshine, warmth from lights or people, and other sources of warmth, such as a fireplace or a tiled stove. On the basis of a continuous comparison of the target and current temperatures, the room temperature control system opens and closes the individual heating circuits by way of electrical valve actuators.

System components



Base station
EKWUFHTA1V3
The Daikin Wired Base Station is the central connection unit of a room-by-room temperature control for the surface temperature adjustment of heating and cooling systems.



Wired digital thermostat
EKWCTRDI1V3
The setting of the desired room temperature and the operation, can be performed comfortably via a rotary control with rotary-push action and soft ratchet. The well-structured and language-neutral symbols of the display always clearly indicate all settings.



Wired analog thermostat
EKWCTRAN1V3
An optimum price-performance ratio is offered for rooms where only a very good temperature control is desired, without the comfort function of the display variant.



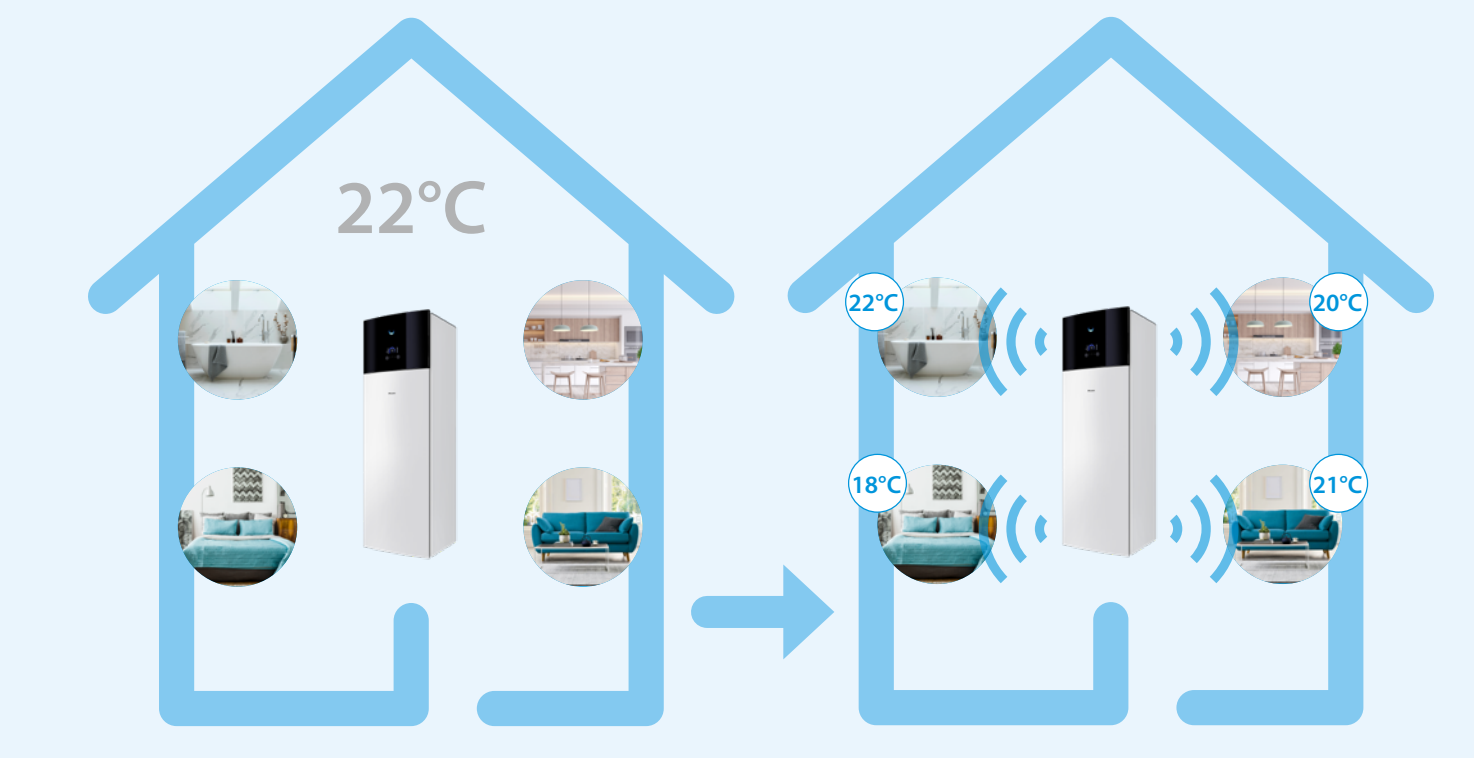
Valve actuator
EKWCVATR1V3
The Daikin Valve Actuator is a thermoelectric valve drive for opening and closing valves on heating circuit distributors of concealed heating and cooling systems.

Applicable Daikin units

› Combinable to all Daikin Altherma units

Individual wireless room controllers

Our individual wireless room controllers allow for a total flexibility in heating your home.



Make energy savings

A traditional heating system makes you manage one temperature for your entire home. In most cases, you will be heating empty rooms, making you waste energy.

To avoid heating empty rooms, the alternative is to shut them off manually.

Wireless control for a better flexbility

Get rid of cables and interconnect all your devices thanks to the cloud.

Our wireless range of controllers makes your life easier. As soon as they are installed, you can combine them in Onecta app.

You can then control them directly from the device itself, or from the Onecta app.



BRC1E53A

User friendly remote control for Sky Air and VRV



Graphical display of indicative electricity consumption (Function available in combination with FBA-A, FCAG and FCAHG)

A series of energy saving functions that can be individually selected

- Demand control (1)
- Temperature range limit
- Setback function
- Presence & floor sensor connection (available on round flow and fully flat cassette)
- kWh indication (2)
- Set temperature auto reset
- Off timer

Cost-effective solution for infrastructure cooling applications
> Only in combination with RZAG* / RZQG*

Other functions

- Up to 3 independent schedules
- Possibility to individually restrict menu functions
- Choice of display between symbol or text
- Real time clock with auto update to daylight saving time
- Built-in backup power for clock (up to 48 hours). Settings are always kept in case of power loss.
- Supports multiple languages: BRC1E53A: English, German, French, Dutch, Spanish, Italian, Portuguese

(1) Only available on RZAG*, RZASG*, RZQG*, RZQSG* I (2) For Sky Air FBA, FCAG and FCAHG pair combinations only

BRC1D52

Wired remote control for Sky Air and VRV



BRC1D52

- Schedule timer: Five day actions can be set
- Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
- User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- Immediate display of fault location and condition
- Reduction of maintenance time and costs

ARC4*/BRC4*/BRC7*

Infrared remote control



ARC466A1



BRC4*/BRC7*

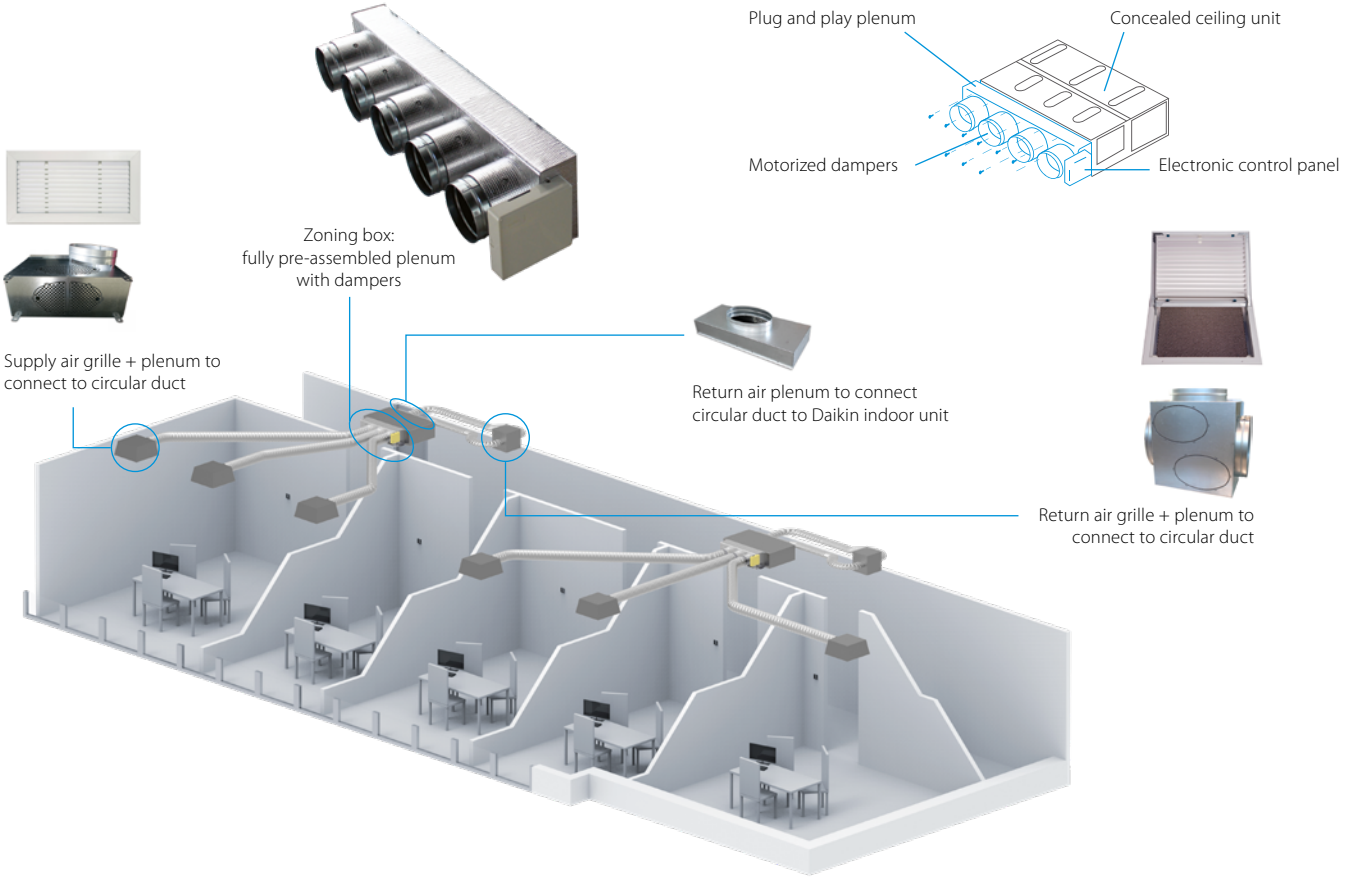
Operation buttons: ON / OFF, timer mode start / stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/ test indication (2)
Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection / test operation (2)

1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXM, FBA
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

Multi-zone controller

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones connected to one indoor unit via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Easy selection via our NEW software!



Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	Ø (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV IV+ FXDQ-A3 15	20	25	32	40	50	63	VRV IV+ FXSQ-A 15	20	25	32	40	50	63	80	100	125	140
Standard plenum																																			
	2	AZE(Z/R)6DAIST07XS2	300 x 930 x 454	200																					•	•	•	•							
		AZE(Z/R)6DAIST07S2							•	•																			•	•					
	3	AZE(Z/R)6DAIST07XS3																							•	•	•	•							
		AZE(Z/R)6DAIST07S3							•	•																			•	•					
	4	AZE(Z/R)6DAIST07S4	300 x 1,140 x 454						•	•																			•	•					
		AZE(Z/R)6DAIST07M4									•	•				•															•	•			
	5	AZE(Z/R)6DAIST07M5	300 x 1,425 x 454								•	•				•															•	•			
		AZE(Z/R)6DAIST07L5											•	•	•		•	•															•	•	
	6	AZE(Z/R)6DAIST07M6	300 x 1,638 x 454								•	•				•															•	•			
		AZE(Z/R)6DAIST07L6											•	•	•		•	•															•	•	
	7	AZE(Z/R)6DAIST07L7	515 x 1,425 x 454										•	•	•		•	•															•	•	
		AZE(Z/R)6DAIST07XL7																																	•
	8	AZE(Z/R)6DAIST07L8											•	•	•		•	•															•	•	
		AZE(Z/R)6DAIST07XL8																																	•
Medium plenum																																			
	2	AZEZ6DAIBS07XS2	250 x 930 x 454	200																					•	•	•	•							
		AZEZ6DAIBS07S2							•	•																			•	•					
	3	AZEZ6DAIBS07XS3																							•	•	•	•							
		AZEZ6DAIBS07S3							•	•																			•	•					
		AZEZ6DAIBS07M3									•	•				•															•	•			
	4	AZEZ6DAIBS07S4	250 x 1,140 x 454						•	•																			•	•					
		AZEZ6DAIBS07M4									•	•				•															•	•			
		AZEZ6DAIBS07L4											•	•	•		•	•															•	•	
	5	AZEZ6DAIBS07S5	250 x 1,425 x 454						•	•																			•	•					
		AZEZ6DAIBS07M5									•	•				•															•	•			
		AZEZ6DAIBS07L5											•	•	•		•	•															•	•	
		AZEZ6DAIBS07XL5																																	•
	6	AZEZ6DAIBS07M6	250 x 1,638 x 454								•	•				•															•	•			
		AZEZ6DAIBS07L6											•	•	•		•	•															•	•	
		AZEZ6DAIBS07XL6																																	•
Slim plenum	2	AZE(Z/R)6DAISL01S2	210 x 720 x 444	200	•	•													•	•	•	•													
	3	AZE(Z/R)6DAISL01S3			•	•													•	•	•	•													
	4	AZE(Z/R)6DAISL01M4	210 x 930 x 444																				•	•											
	5	AZE(Z/R)6DAISL01L5	210 x 1,140 x 444				•	•																	•										

(1) Z models are reversible; R models are heating only
(2) Medium Ceiling Void reversible units can be blocked to heating only via AZX6MCS module

Controls

3 controller versions are available to choose from: Colour, touch or simplified



AZCE6BLUEZEROCB (Wired)

Bluezero - main thermostat
› Intuitive graphical, colour touch screen for controlling multiple zones



AZCE6THINKRB (Wireless)

Think - zone thermostat
› Graphic touch button with low-energy e-ink screen for controlling single zones


AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Lite - zone thermostat
› Simplified thermostat with touch buttons for temperature control

› Optional bus cable (2 x 0.5 mm² | 2 x 0.22 mm²), 15 m length: AZX6CABLEBUS15, 100m length: AZX6CABLEBUS100


AZX6WSPHUB


AZX6WSC5GER

Webserver for remote control
› Cloud based remote control of multizoning kit(s)
› Configuration and control of zones (temperature, operation mode, ...)
› Access via webportal, or Android/IOS application
› Supports Ethernet and WIFI
› AZX6WSPHUB:
  › For installation on DIN rail
  › 32 zoning boxes can be controlled
› AZX6WSC5GER:
  › For installation in the unit
  › Controls one zoning box


AZX6WSPBAC


AZX6KNXGTWAY

BACnet or KNX gateway
› Allows ON/OFF control of each zone
› Control of temperature for each zone
› Status indication of operation mode
› One gateway needed per system

Grilles and plenums

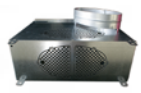
Supply air grilles and plenums


RDHV040015BKX

Wall type supply grille
› With horizontal and vertical adjustable flaps


RLQV040015BKX

Ceiling type supply grille
› With horizontal flaps angled at 15°
› Vertical flaps can be adjusted manually


PREJ0400150T

Plenum for supply grille
› To connect circular ducts to discharge grille
› Insulated, galvanised steel
› Diameter 250mm

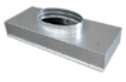
Return air grilles and plenums


RRFR050050BTX

Return air grille with integrated filter
› Filters particles from the air


BR500

Plenum for return grille
› To connect 1 up to 4 circular ducts to the return air grille
› Diameter 250mm


AZCEZDAPR07*

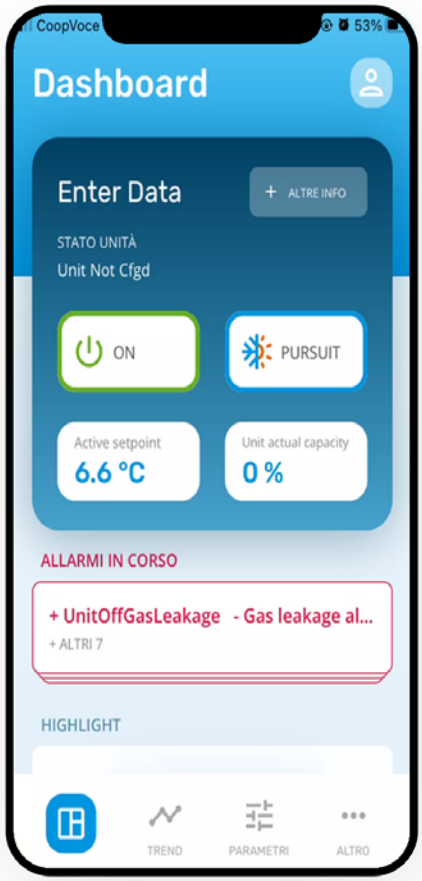
Plenum for return air
› To connect 1 up to 4 circular ducts to the Daikin concealed ceiling units
› Diameter 250mm
› Different sizes (XS, S, M, L, XL) to fit the indoor unit



Daikin mAP

Digital interface for your HVAC equipment

The Daikin mAP is the brand-new Digital HMI solution for all Daikin Applied products, designed to let end-users and technician operate easily and effectively from their smartphone or tablet while performing field activities.

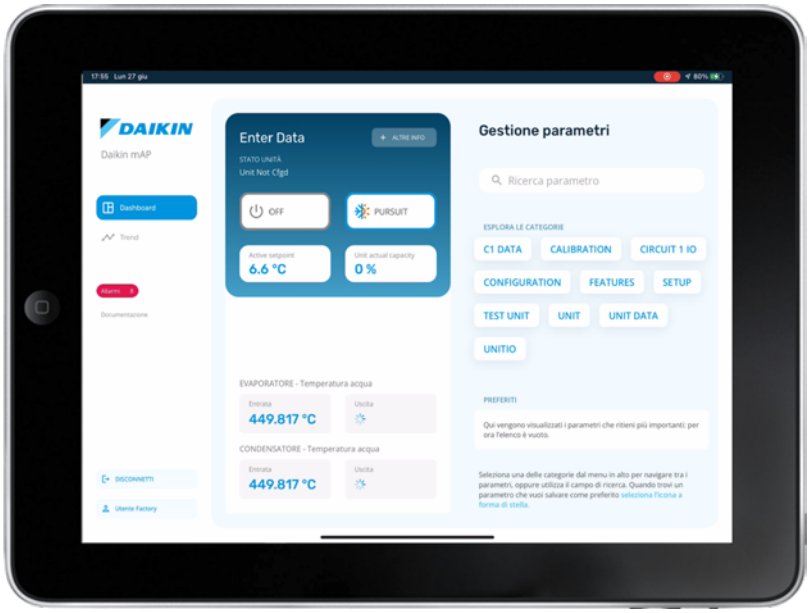


Daikin mAP

NEW

Digital Interface

The Daikin mAP is the brand-new Digital HMI solution for all Daikin Applied products, designed to let end-users and technician operate easily and effectively from their smartphone or tablet while performing field activities.





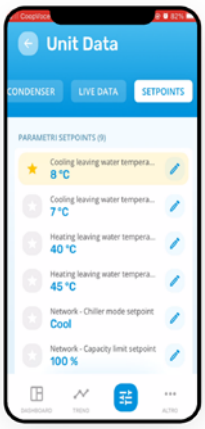




Control

Change settings and control parameters with more flexibility.

- ☑ Up to 4 user levels with different privileges
- ☑ Improved unit access security



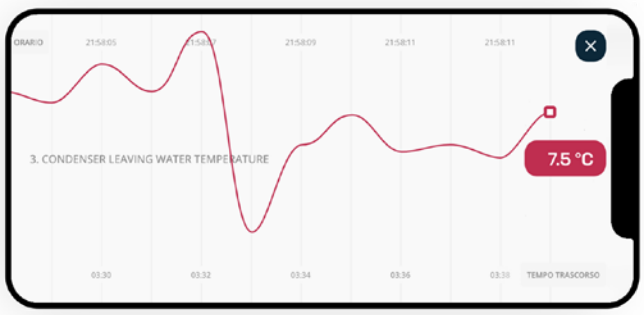
Select

Explore and search for a specific unit parameter.

- ☑ Search bar to easily find the desired parameter
- ☑ Select & change and pin in the dashboard your preferred parameters

Monitor

Start a live monitoring and trending of your preferred parameters



- ☑ Background monitoring for a non-stop operations
- ☑ Export and share monitoring data in .CSV file
- ☑ Up to 20 live trends and monitoring

Centralised remote controller

Centralised control of the Sky Air and VRV system can be achieved via 2 user friendly compact remote controllers. These controls may be used independently or in combination with:
1 group = several (up to 16) indoor units in combination
1 zone = several groups in combination.
A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).

DCS302C51

Centralised remote control



Providing individual control of 64 groups (zones) of indoor units.

- a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- zone control
- group control
- malfunction code display
- maximum wiring length of 1,000m (total: 2,000m)
- air flow direction and air flow rate of HRV can be controlled
- expanded timer function

DCS301B51

Unified ON/OFF control



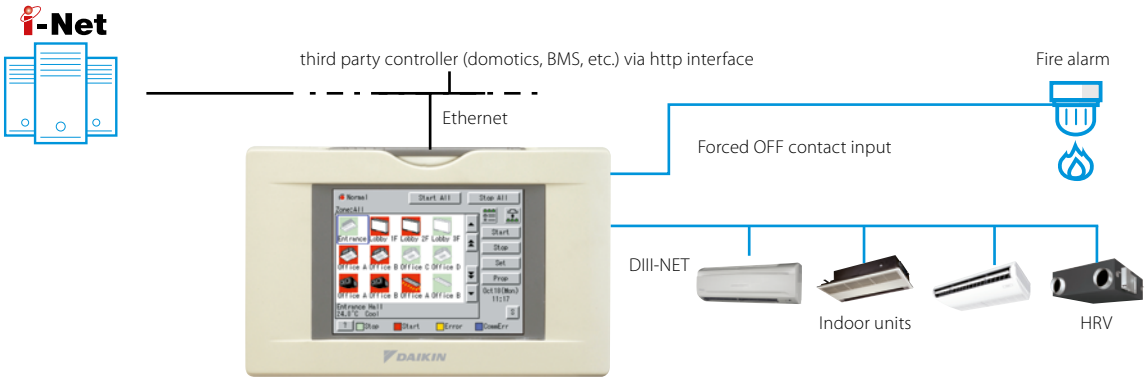
Providing simultaneous and individual control of 16 groups of indoor units.

- a maximum of 16 groups (128 indoor units) can be controlled
- 2 remote controls in separate locations can be used
- operating status indication (normal operation, alarm)
- centralised control indication
- maximum wiring length of 1,000m (total: 2,000m)

DCS601C51

intelligent touch Controller

Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups).



DCS601C51

Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

System layout
- Up to 64 indoor units can be controlled
- Touch panel (full colour LCD via icon display)

Control
- Individual control (set point, start/stop, fan speed) (max. 64 groups/indoor units)
- Set back shedule
- Enhanced scheduling function (8 schedules, 17 patterns)
- Flexible grouping in zones
- Yearly schedule
- Fire emergency stop control
- Interlocking control
- Increased HRV monitoring and control function
- Automatic cooling / heating change-over
- Heating optimization
- Temperature limit
- Password security: 3 levels (general, administration & service)
- Quick selection and full control
- Simple navigation

Monitoring
- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Indication filter replacement

Cost performance
- Free cooling function
- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

Open interface
- Communication to any third party controller (domotics, BMS, etc.) is possible via open interface (http option DCS007A51)

Connectable to
- VRV
- HRV
- Sky Air
- Split (via interface adapter)

DCC601A51

intelligent Tablet Controller

Advanced centralised controller with Cloud connection

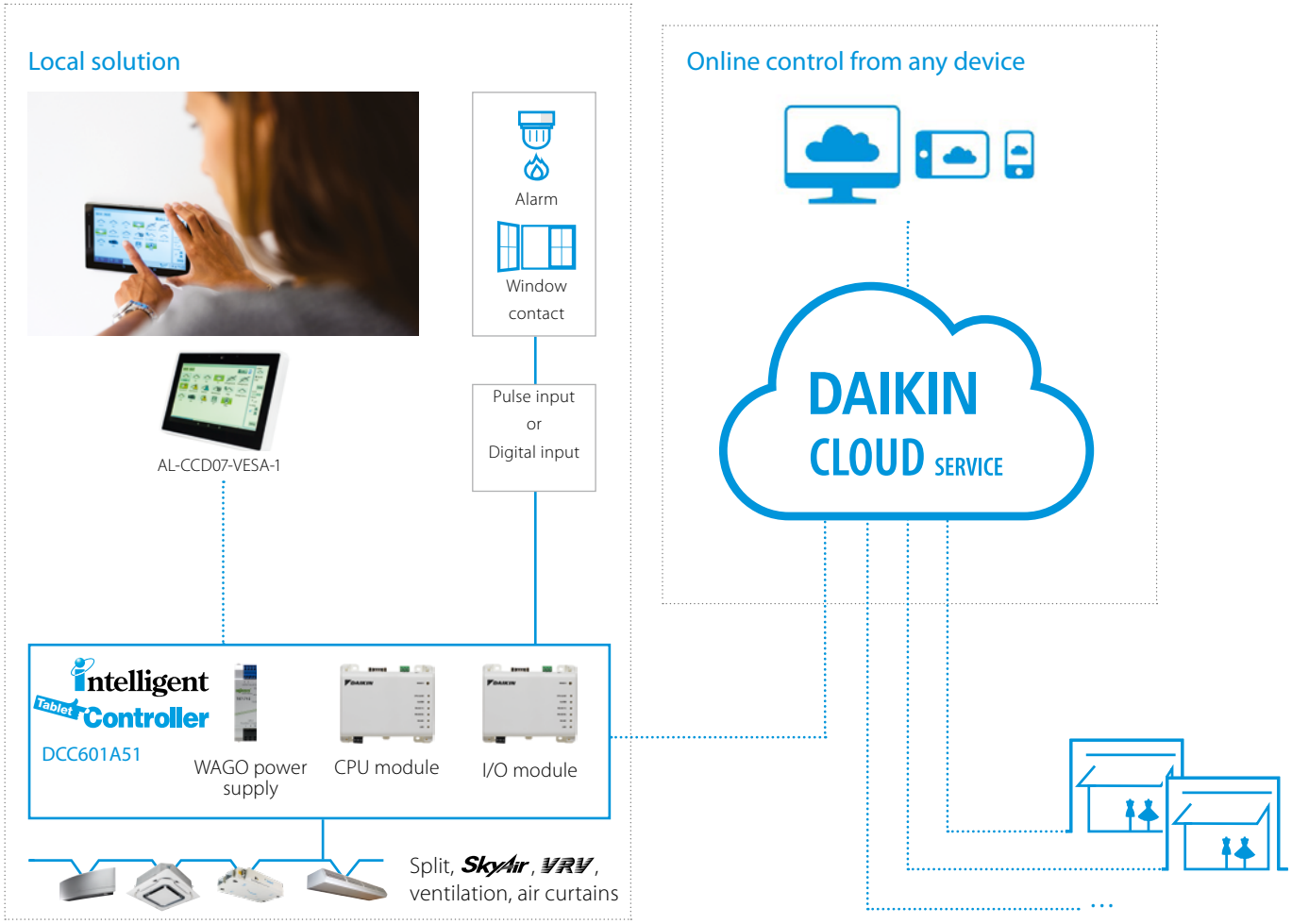
- Intuitive and user-friendly interface
- Flexible concept for stand alone and multi site applications
- Total solution thanks to integration of 3rd party equipment
- Monitor & control your small commercial building, no matter where you are

2 solutions:

Local solution
› Offline centralised control
› Stylish optional screen fits any interior

Cloud solution
› Flexible online control from any device (Laptop, tablet...)
› Monitor & control one or multiple sites
› Benchmark the energy consumption of different installations (1)
› Energy consumption follow-up to comply with local regulations

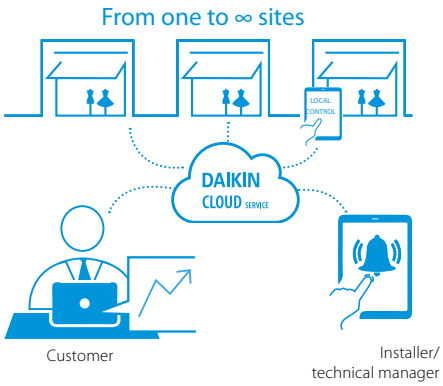
System layout



(1) For VRV and Sky Air R-32 ranges the consumption data is integrated; for other (HVAC) systems, field supplied kWh meters will be required

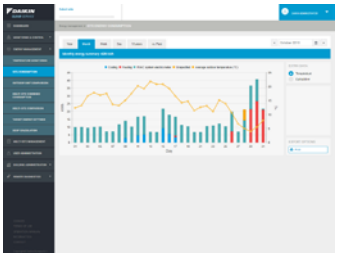
Total solution

› Total solution thanks to a large integration of Daikin products and 3rd party equipment
› Connect a wide range of units (Split, Sky Air, VRV, Ventilation, Biddle air curtains)
› Simply control your entire building centrally
› Increased customer shopping experience by better management of your shop comfort level



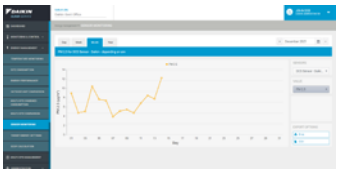
Daikin Cloud Services

› Control your building no matter where you are
› Monitor and control multiple sites
› Installer or technical manager can remotely login to the cloud for first trouble-shooting
› Benchmark the energy consumption of different installations (1)
› Manage & track your energy use


Energy management and consumption follow up

User friendly touch control

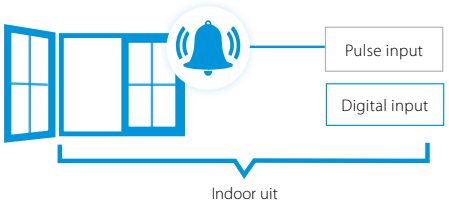
› Stylish Daikin supplied optional screen for local control fits any interior
› Intuitive and user-friendly interface
› Full solution with simple control
› Easy commissioning


NEW
IAQ Visualisation (Indoor Air Quality monitoring)

Flexible

› Pulse/digital inputs for 3rd party equipment such as kWh meters, emergency input, window contact, …
› Modular concept allows your cloud to grow with your business
› Control up to 32 indoor units per controller and 320 units per site

(1) only available in combination with certain indoor units



Functions overview

		Local solution	Cloud solution
Languages		Depends on local device	EN, DE, FR, NL, ES, IT, EL, PT, RU, TR, DA, SV, NO, FI, CS, HR, HU, PL, RO, SL, BG, SK
System layout	N° of connectable indoor units	32	32
	Multiple sites control		●
Monitoring & control	Basic control functions (ON/OFF, mode, filter sign, setpoint, fan speed, ventilation mode, room temperature, …)	●	●
	Remote control prohibition	●	●
	All devices ON/OFF	●	●
	Zone control		●
	Group control	●	●
	Weekly schedule	●	●
	Yearly schedule		●
	Interlock control	●	●
	Set point limitation		●
	Visualisation of energy use per operation mode		●
Connectable to	DX split, Sky Air, VRV	●	●
	Modular L Smart, VAM, VKM ventilation	●	●
	Air curtains	●	●

For available Daikin Cloud Service options refer to the option list

intelligent touch Manager

Mini BMS

with full integration across all product pillars

DCM601B51

intelligent touch Manager

- Price competitive mini BMS
- Cross-pillar integration of Daikin products
- Integration of third party equipment



Download the WAGO selection tool from my.daikin.eu

› Easy selection of WAGO materials
› Material list creation
› Time saving
  - Includes wiring schemes
  - Contains commissioning/preset data for iTM

Check on YouTube

https://www.youtube.com/DaikinEurope

System overview



Web Access

DAIKIN CLOUD SERVICE

To connect intelligent Touch Manager to the Daikin Cloud Service, the IoT gateway (EU. SB.5000072) and AC/DC converter (999175A) is needed.

Internet
Extranet
LAN
3G
HTTP interface



Integration of third party equipment



Fire alarm



kWh meter

Di/Pi line
Max. 200m

touch intelligent Manager

DCM601B51



BACnet/IP protocol



WAGO interface

Analog/digital/pulse objects



Lighting



Fan



Pump



Sensor

I/O module

I/O module

Multi state objects



Elevator



Air handling unit



Alarm

DALI
Protocol



Lighting



Sensor

Full control of Daikin HVAC-R portfolio

DIII Plus adaptor DGE601A52

DIII Plus adaptor Slot DGE601A53
Max. 6 Additional Slots can be connected



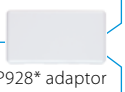


Max 64 indoor units

Direct plug & play connection!

Split
SkyAir
VRV
indoor units, air curtain, hydrobox, air handling units





KRP928* adaptor











Fan coil units





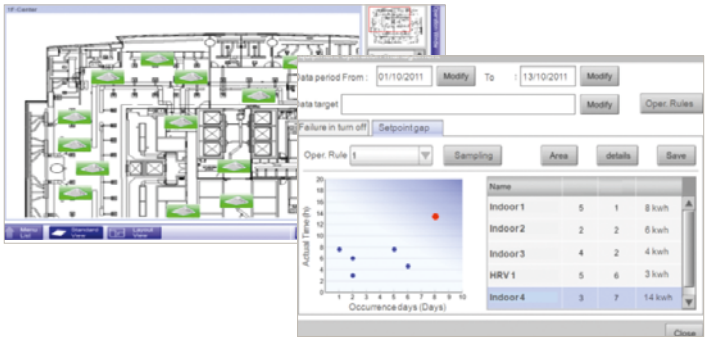
Chillers and AHU







touch intelligent Manager



User friendliness

› Intuitive user interface
› Visual lay out view and direct access to indoor unit main functions
› All functions direct accessible via touch screen or via web interface
› Simplified electrical wiring, only one power supply & one connection wiring required

Smart energy management

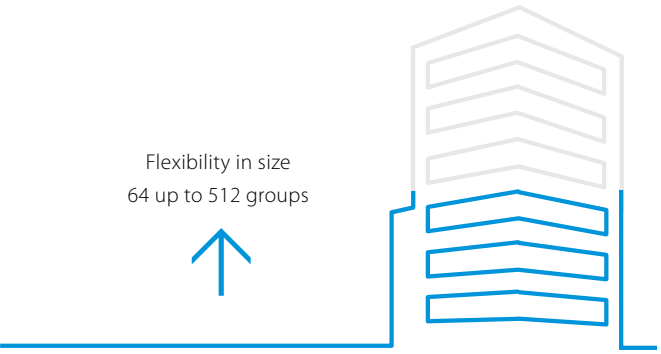
› Monitoring if energy use is according to plan
› Helps to detect origins of energy waste
› Powerful schedules guarantee correct operation throughout the year
› Save energy by interlocking A/C operation with other equipment such as heating
› Peak Power Cut off Control: Activating this feature in schedule function allows users to operate the outdoor unit in 4 settings i.e. 100%,70%, 40% and 0%

Flexibility

› Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
› BACnet protocol for 3rd party products integration
› I/O for integration of equipment such as lights, pumps… on WAGO modules
› Modular concept for small to large applications
› Control up to 512 indoor unit groups via one ITM and combine multiple ITM via web interface

Easy servicing and commissioning

› Remote refrigerant containment check reducing on site visit
› Simplified troubleshooting
› Save time on commissioning thanks to the pre-commissioning tool
› Auto registration of indoor units



Plug & play




Split

SkyAir



VRV




Fan coils


Chillers and AHU


HRV ventilation



BACnet/IP protocol

DALI Protocol

Lighting
Sensor

Lighting
Air handling unit
Pump
Elevator
Fan
Alarm
Sensor


WAGO I/O

Lighting
Fan
Pump
Sensor

Functions overview

Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

Management
- Web access via html 5
- Power Proportional Distribution (option)
- Operational history (malfunctions, …)
- Smart energy management
  - monitor if energy use is according to plan
  - detect origins of energy waste
- Setback function
- Sliding temperature

WAGO Interface
- Modular integration of 3rd party equipment
- Large variety of input and outputs available. For more details refer to the options list

Open http interface
- Communication to any third party controller (domotics, BMS, etc.) is possible via http open interface (http option DCM007A51)

System layout
- Up to 512 unit groups can be controlled (ITM + 7 iTM Plus adapters)

Control
- Individual control (512 groups)
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- Interlock control
- Setpoint limitation
- Temperature limit
- Schedule function to activate quiet operation mode on outdoor unit

DALI integration
- Control and monitor the lights
- Easier facility management: receive error signal when light or light controller has a malfunction
- Flexible approach and less wiring needed, compared to classic light scheme
- Easier to make groups and control scenes
- Connection between intelligent Touch Manager and DALI through WAGO BACnet / IP interface

Connectable to
- DX Split, Sky Air, VRV
- HRV
- Chillers (via MT3-EKCMBACIP controller)
- Daikin AHU (via MT3-EKCMBACIP controller)
- Fan coils
- LT and HT hydroboxes
- Biddle Air curtains
- WAGO I/O
- BACnet/IP protocol
- Daikin PMS interface (option DCM010A51)



Daikin Applied Europe

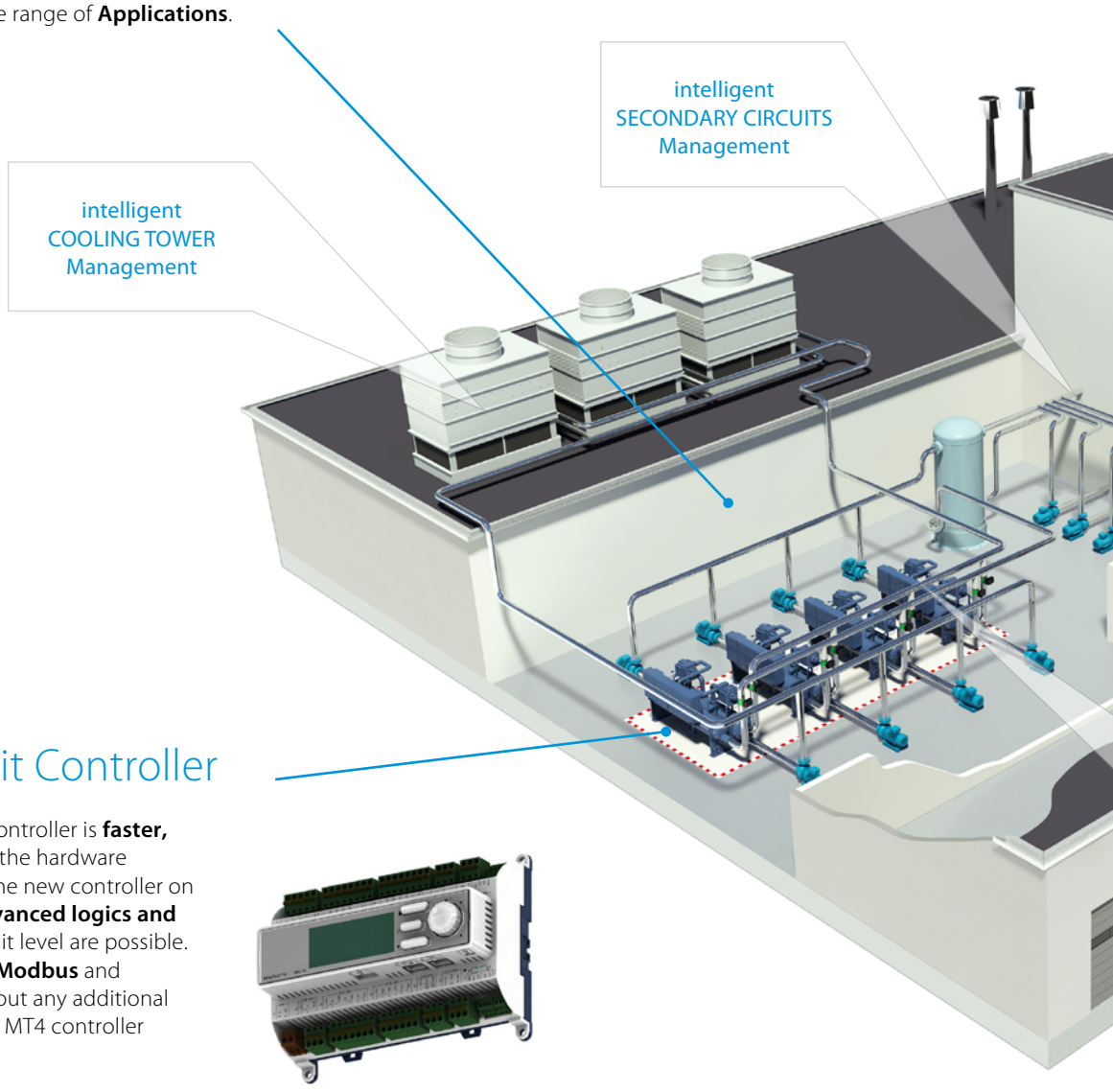
Control Solutions

intelligent Chiller Manager

The intelligent Chiller Manager is a factory-engineered control solution to manage a chiller plant room. It is responsible for the **optimal sequencing and staging** of Chillers, Heat Pumps and Multipurpose units even in a **mixed plant configuration** and in both Heating and Cooling modes.
The extended control solution integrated the management of Cooling Towers and manifolded Pumps for air and water cooled chiller plant.
By reaching higher plant performance and efficiency levels, the intelligent Chiller Manager is the best and qualified solution for your HVAC equipment in a wide range of **Applications**.

Key Benefits

› High performance
› Lower energy & Maintenance Costs
› Increase reliability & lifetime
› Remote control and monitoring through Daikin on Site
› **No additional installation required**



Microtech® 4 Unit Controller

The new **Microtech® 4** (MT4) controller is **faster, smarter and connected**. With the hardware improvements introduced by the new controller on all air/water cooled chillers, **advanced logics and algorithms** development at unit level are possible. Communication protocols like **Modbus** and **BACNet** are also available without any additional hardware required because the MT4 controller supports them natively.

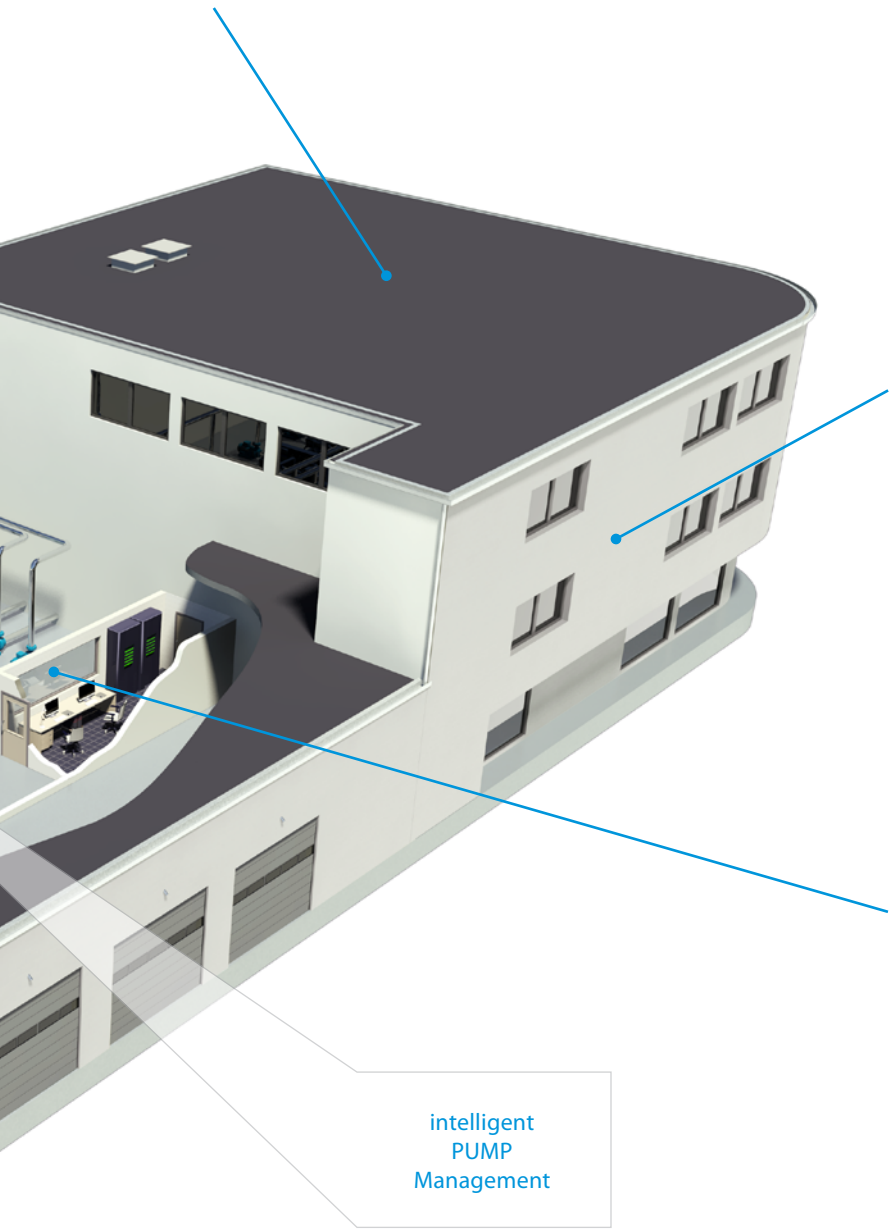
Daikin on Site

Daikin on Site is the unique solution for remote monitoring and smart maintenance. It allows a complete remote operation of every unit with different users and levels of access.

Daikin on site is fully compatible with All Daikin Applied Europe products and it can integrate **third-party products** like **IoT devices** (i.e. IAQ sensors).

Daikin has developed two offers called Daikin on Site: Partner and Daikin on Site: Premium.

- REMOTE MONITORING
- REPORTING
- ALARM TROUBLESHOOTING
- ENERGY ANALYSIS
- REFRIGERANT LEAKAGE DETECTION



Building management system Integration

With MT4 unit the communication protocols such as **Modbus** and **BACNet** are available directly from the controller and activated from Factory when ordered or through the after-sales channel.

Performance Monitoring

With MT4, advanced algorithms implementation in the unit controller are possible, such as the **Performance Monitoring** (Option 186).
This **sensor-less algorithm** calculates the unit cooling capacity by using refrigerant pressure and temperature readings. Electrical power is calculated either from compressor VFD power and fan, or directly measured through optional energy meter. As a standard, **no extra-hardware is required.**

Chiller Intelligent Manager

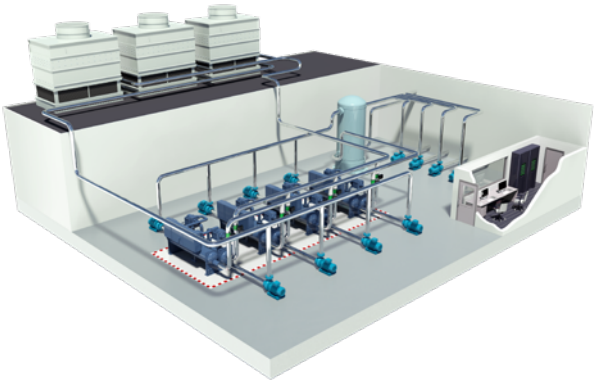
Factory-engineered system control to manage a chiller plant room

Thus optimising its performance and increasing its reliability by:
› Optimal start-up, sequencing & staging of chillers
› Matching chiller capacity to load demand

iCM's main functionalities:

Availability
Determines whether chillers are available or not, based on:
› Inputs from the chiller unit controllers
› Modbus communication status
› Pump status

Sequencing
Optimises the order in which available chillers are turned on and off depending on operating hours, energy efficiency, etc.



Staging
Calculates **energy-optimal stage-up/stage-down** of the chiller by determining the increased capacity demand by capacity control, compensation of temperature and rotation. This function aims at providing the most energy-efficient combination of chillers on a continuous basis.

Stopping Last Chiller/Recycling
Captures a rise in demand when the **last chiller is staged down,** by operating the pump dedicated to the next ON chiller at a minimum VFD frequency.

Min/Max Operating Chiller Setting
Ensures that the number of operating chillers always **stays within a certain range,** regardless of changes in demand.

Primary Pump control
Primary evaporator and condenser pump control for dedicated and manifolded pumps thanks to iPM panel

Secondary Pump Control
Control of up to 12 secondary circuits thanks to iSM panel extension

Cooling Tower Optimization
Control and Optimization of Cooling Tower systems thanks to iCT extension modules.

Remote Connection through Daikin on Site
24/7 monitoring and control of iCM plants through Daikin on Site cloud service.

Why choose iCM?

› Optimise performance
› Increase reliability
› Reduce energy costs
› Reduce maintenance costs
› Factory-engineered and tested
› Remote control and monitoring. From one-time commissioning to real-time commissioning

Daikin is the best qualified partner to optimise the operation of a Daikin chiller plant room.

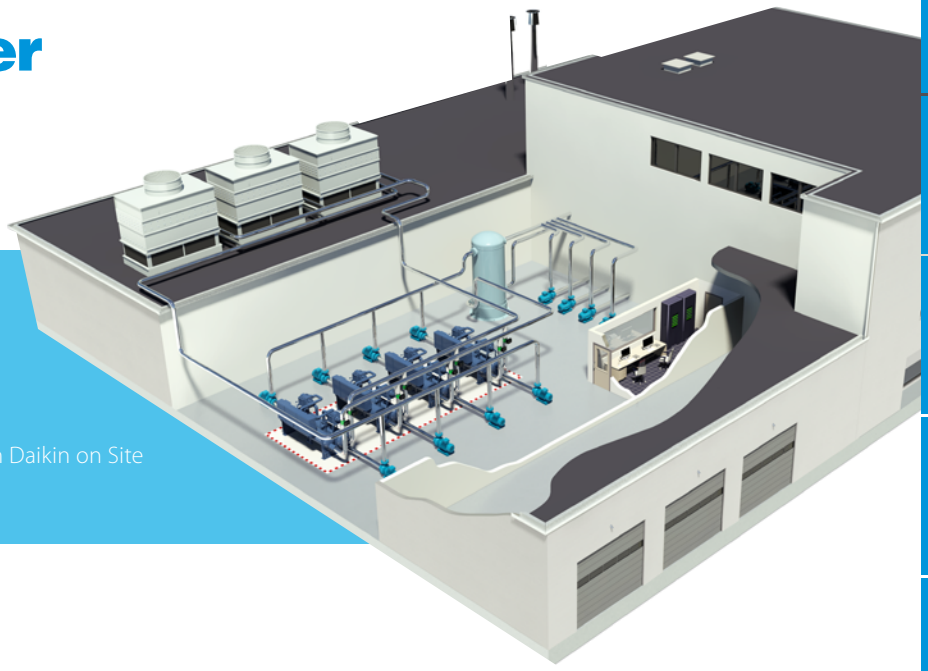
Remote control and monitoring possibilities

(valid for both Standard and Customised versions)

› **Connectivity to Daikin's remote monitoring and control system (www.daikinonsite.com)** for remote monitoring and service providing Internet connection to the main controller
› **Integration with general BAS/BMS** offered through BACnet or Modbus Modules based on BACnet/IP or Modbus RTU/RS-485 protocols
› **Built-in HMI, Remote HMI, Web HMI and daikinonsite.com** are available for control and configuration

Integrated logics for Plant Management

Chiller intelligent Manager



Key Benefits

› High performance
› Lower energy & Maintenance Costs
› Increase reliability & lifetime
› Remote control and monitoring through Daikin on Site
› **No additional installation required**

Control strategies

Advanced control strategies can be chosen to optimise units life time and the energy efficiency of a chillers plant:

› by sequencing it is decided which unit must start or stop
› by staging the unit shares the load based on a threshold specified by the user

Control options

iCM can manage:

› Up to 16 units Heating/Cooling mode, with iCM expanded kit
› Up to 8 units Heating/Cooling mode
› Special control options such as: VPF, Demand Limit, Rapid Restart are manged by iCM in a multiple unit system
› Heat recovery option management
› Free cooling option management
› Manifolded pumps management (evaporator/condenser) – iPM control panel is required
› Cooling tower system management – iCT control panel is required
› Secondary circuits management - iSM control panel is required

What are the main differences between Master/Slave and iCM?

For Daikin unit equipped with MT4, iCM are set of functions embedded directly in the unit controller. In addition for those applications not covered by the embedded functions, iCM customized are also available.

While Master/Slave can manage systems composed by units model of the same type, iCM can manage cooling, heating and plants made of different kind of units

Feature	Master/Slave	New iCM
Number of chillers	UP TO 2	UP TO 16
Plants with All Chillers	same models	YES
Plants with all Heat Pumps	same models	YES
Plants with Multipurpose	YES	YES
Mix of Chillers (max 2 circuits) + Multipurpose	NO	**YES**
Mix of Chillers + Heat Pumps	NO	**YES**
Chillers with Heat Recovery	NO	**YES**
Chillers with free cooling	NO	**YES**
Units with modulable capacity control	YES	YES
Units with step capacity control	YES	YES

Product line-up

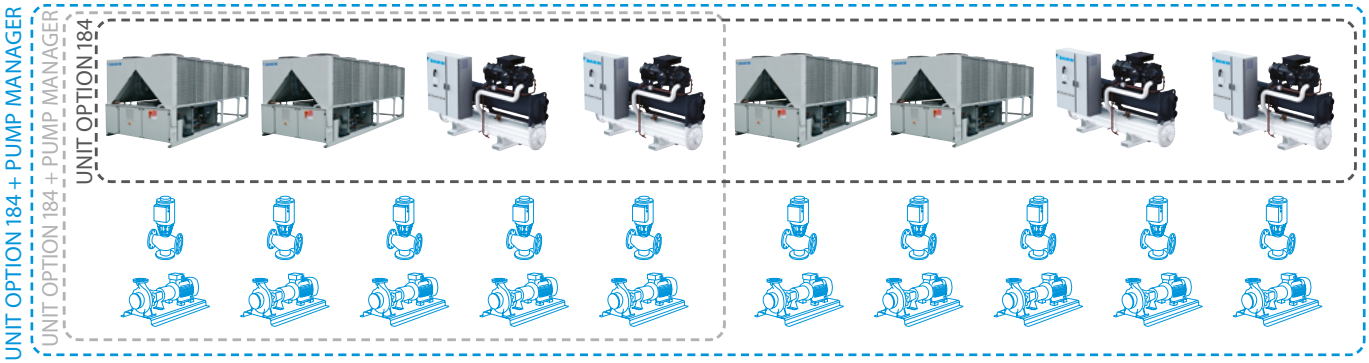
intelligent Chiller Manager

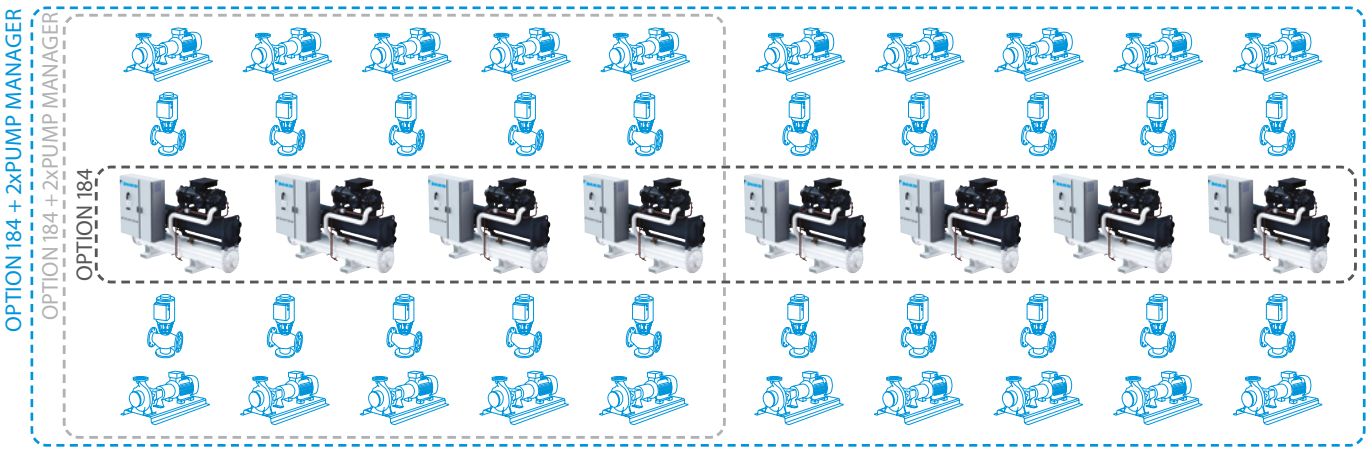
iCM as unit option 184 (up to 16 with iCM expanded kit):
› Up to 8 daikin chillers
› Mixed systems (Chiller + heat pumps or chillers + multipurpose)
› Heating/cooling operating modes
› Heat recovery and Free cooling management
› Units with modulable and step capacity control

Intelligent Pump Manager:
› Up to 5 dedicated or manifolded pumps (evaporator or condenser)
› Up to 10 dedicated or manifolded pumps (evaporator or condenser)

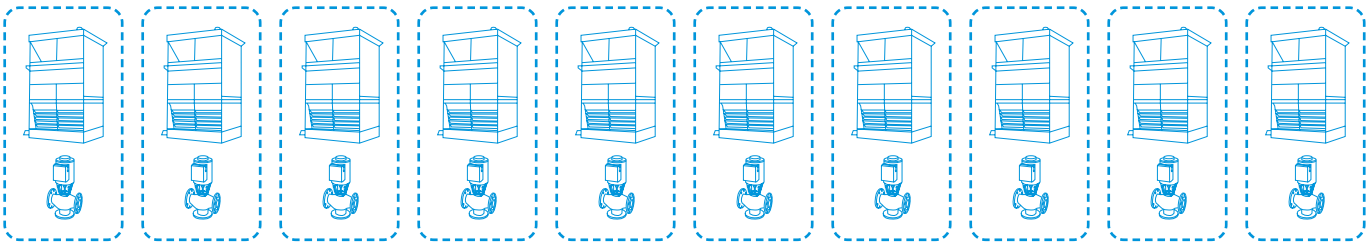
Intelligent Cooling Tower Manager:
› Up to 10 manifolded cooling towers (available with Pump Manager at the condenser side)
›

intelligent Secondary Circuits Manager:
› Up to 8 pumps divided in up to 4 pump groups (up to 3 ism can be connected for a total of 12 pump groups and 24 secondary pumps)





Up to 10 COOLING TOWER MANAGER (only available with PUMP MANAGER at the condeser side)



Up to 3 INTELLIGENT SECONDARY MANAGER (each iSM can control up to 4 pump groups and up to 8 pumps)



DAIKIN

RTD

Modbus Interface

RTD-RA

› Modbus interface for monitoring and control of residential indoor units

RTD-NET

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM

RTD-10

› Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
- Modbus
- Voltage (0-10V)
- Resistance

› Duty/standby function for server rooms

RTD-20

› Advanced control of Sky Air, VRV, VAM/VKM and air curtains
› Clone or independent zone control
› Increased comfort with integration of CO_2 sensor for fresh air volume control
› Save on running costs via
- pre/post and trade mode
- set point limitation
- overall shut down
- PIR sensor for adaptive deadband

RTD-HO

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
› Intelligent hotel room controller

RTD-W

› Modbus interface for monitoring and control of Daikin Altherma Flex Type, VRV HT hydrobox and small inverter chiller

DCOM-LT/MB

› Modbus interface of Daikin Altherma air-to-water heat pumps, hybrid heat pumps and ground source heat pumps

DCOM/LT-IO

› Voltage & resistance control in addition to Modbus



Overview functions







Main functions			RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
Dimensions	H x W x D	mm	80 x 80 x 37.5	100 x100 x 22			
Key card + window contact							✓
Set back function			✓				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)			✓	✓	✓	✓**	✓
Modbus (RS485)			✓	✓	✓	✓	✓
Group control			✓(1)	✓	✓	✓	✓
0 - 10 V control					✓	✓	
Resistance control					✓	✓	
IT application			✓		✓		
Heating interlock					✓	✓	
Output signal (on/defrost, error)					✓	✓****	✓
Retail application						✓	
Partitioned room control						✓	
Air curtain				✓***	✓***	✓	

(1): By combining RTD-RA devices

Control functions	RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M,C	M	M,V,R	M	M*
Set point	M	M	M,V,R	M	M*
Mode	M	M	M,V,R	M	M*
Fan	M	M	M,V,R	M	M*
Louver	M	M	M,V,R	M	M*
HRV Damper control		M	M,V,R	M	
Prohibit/Restrict functions	M	M	M,V,R	M	M*
Forced thermo off	M				

Monitoring functions	RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M	M	M	M	M
Set point	M	M	M	M	M
Mode	M	M	M	M	M
Fan	M	M	M	M	M
Louver	M	M	M	M	M
RC temperature		M	M	M	M
RC mode		M	M	M	M
N° of units		M	M	M	M
Fault	M	M	M	M	M
Fault code	M	M	M	M	M
Return air temperature (Average /Min/Max)	M	M	M	M	M
Filter alarm		M	M	M	M
Termo on	M	M	M	M	M
Defrost		M	M	M	M
Coil In/Out temperature	M	M	M	M	M



Main functions			RTD-W
Dimensions	H x W x D	mm	100x100x22
On/off prohibition			✓
Modbus RS485			✓
Dry contact control			✓
Output signal (operation error)			✓
Space heating / cooling operation			✓
Domestic hot water control			✓
Smart Grid control			

Control functions	RTD-W
On/Off Space heating/cooling	M,C
Set point leaving water temperature (heating / cooling)	M,V
Room temperature setpoint	M
Operation mode	M
Domestic Hot water ON	
Domestic Hot Water reheat	M,C
Domestic Hot Water reheat setpoint	
Domestic Hot Water storage	M
Domestic Hot Water Booster setpoint	
Quiet mode	M,C
Weather dependent setpoint enable	M
Weather dependent curve shift	M
Fault/pump info relay choice	
Control source prohibition	M

Smart grid mode control	
Prohibit Space heating/cooling	
Prohibit DHW	
Prohibit Electric heaters	
Prohibit All operation	
PV available for storage	
Powerful boost	

Monitoring functions	
› On/Off Space heating/cooling	› M,C
› Set point leaving water temperature (H/C)	› M
› Room temperature setpoint	› M
› Operation mode	› M
› Domestic Hot Water reheat	› M
› Domestic Hot Water storage	› M
› Number of units in the group	› M
› Average leaving water temperature	› M
› Remocon room temperature	› M
› Fault	› M,C
› Fault code	› M
› Circulation pump operation	› M
› Flow rate	
› Solar pump operation	
› Compressor status	› M
› Desinfection operation	› M
› Setback operation	› M
› Defrost/ start up	› M
› Hot start	
› Booster Heater operation	
› 3-Way valve status	
› Pump running hours accumulated	› M
› Compressor running hours accumulated	
› Actual leaving water temperature	› M
› Actual return water temperature	› M
› Actual DHW tank temperature (*)	› M
› Actual refrigerant temperature	
› Actual outdoor temperature	› M

M : Modbus / R: Resistance / V: Voltage / C: control
* : only when room is occupied / ** : setpoint limitation / (*) if available
*** : no fan speed control on the CYV air curtain / **** : run & fault

EKMBDXB

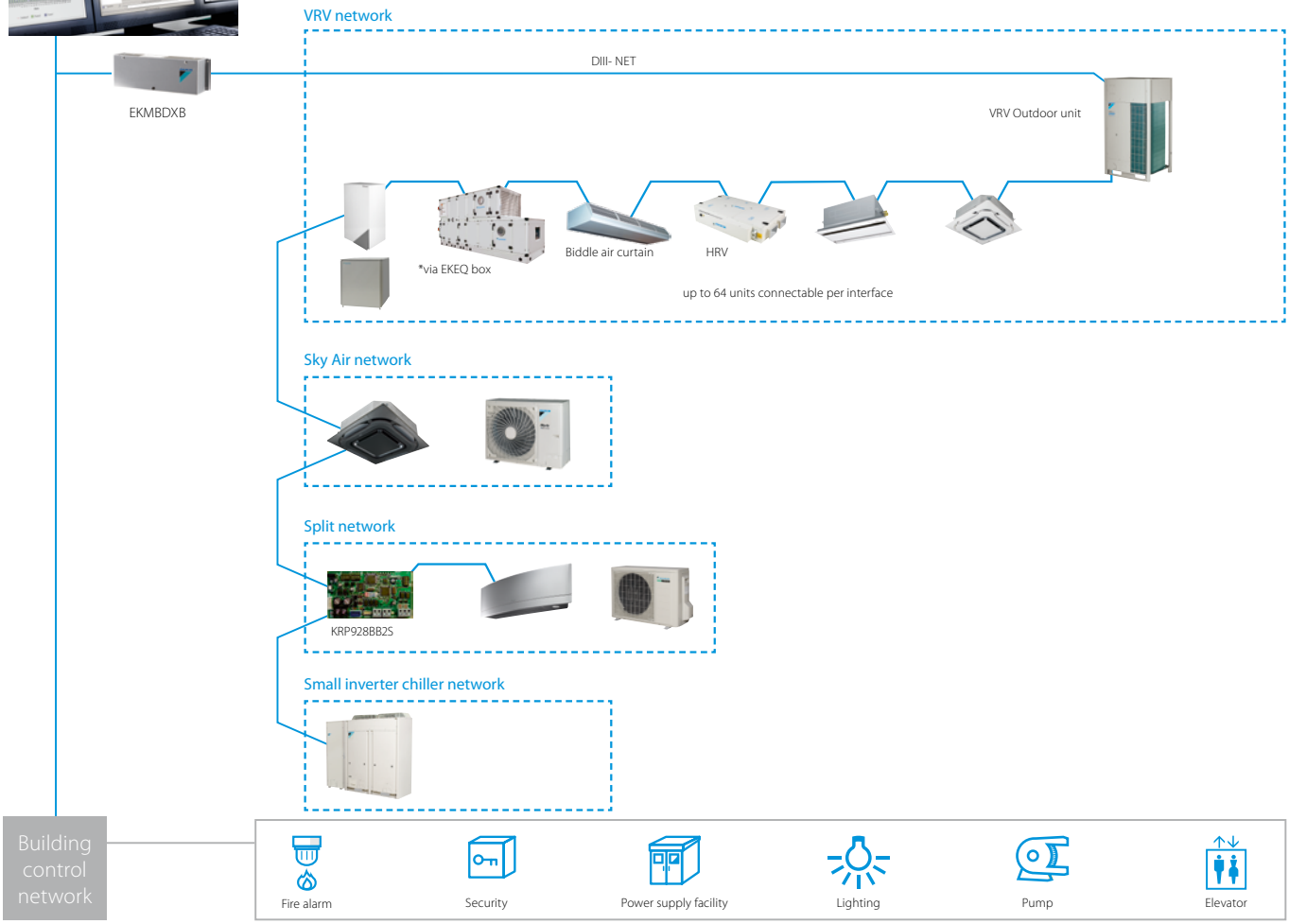
DIII-net Modbus interface



Integrated control system for seamless connection between Split, Sky Air, VRV and small inverter chillers and BMS systems

› Communication via Modbus RS485 protocol
› Detailed monitoring and control of the VRV total solution
› Easy and fast installation via DIII-net protocol
› As the Daikin DIII-net protocol is being used, only one modbus interface is needed for a group of Daikin systems (up to 10 outdoor units systems).

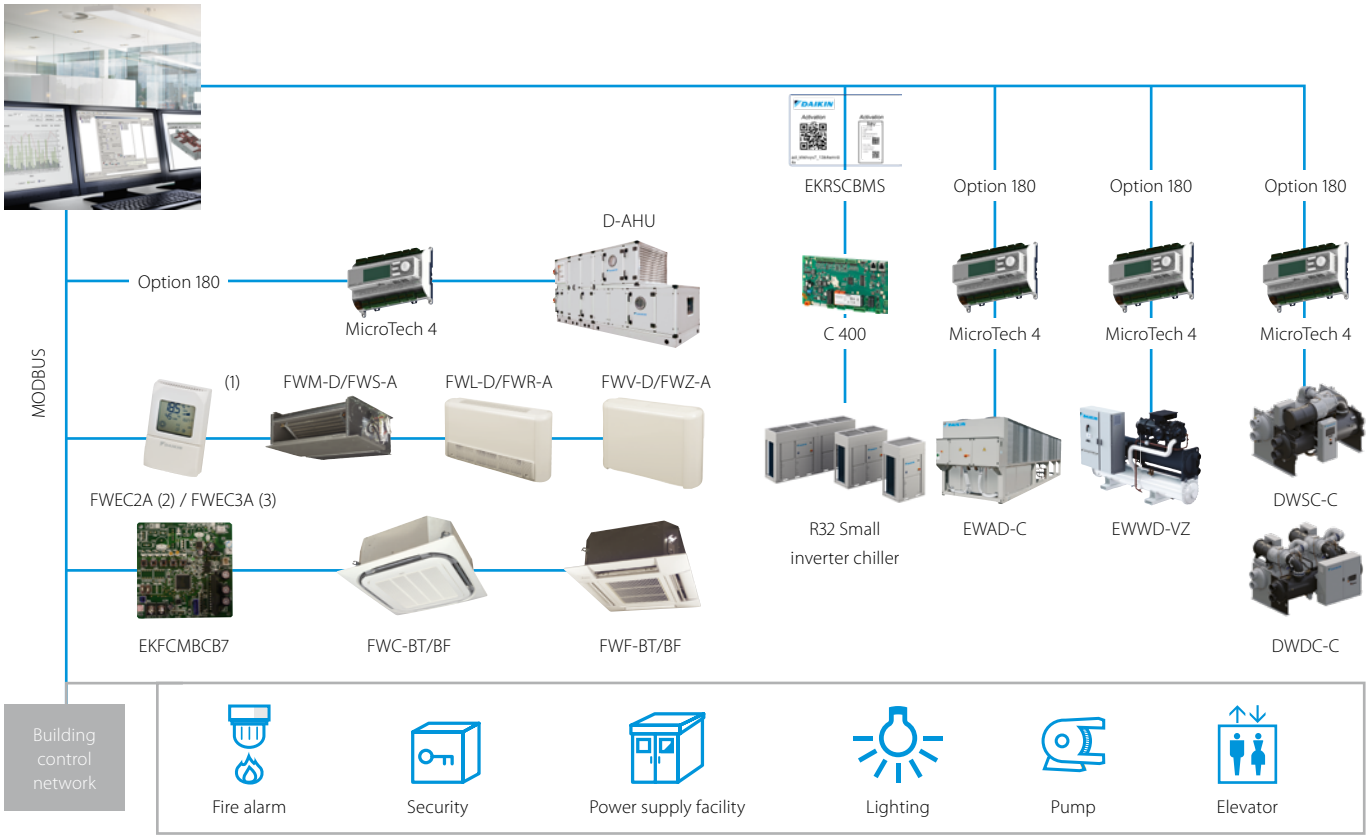




			EKMBDXB7V1
Maximum number of connectable indoor units			64
Maximum number of connectable outdoor units			10
Communication	DIII-NET - Remark		DIII-NET (F1F2)
	Protocol - Remark		2 wire; communication speed: 9,600 bps or 19,200 bps
	Protocol - Type		RS485 (modbus)
	Protocol - Max. Wiring length	m	500
Dimensions	HeightxWidthxDepth	mm	124x379x87
Weight		kg	2.1
Ambient temperature - operation	Max.	°C	60
	Min.	°C	0
Installation			Indoor installation
Power supply	Frequency	Hz	50
	Voltage	V	220-240

Modbus interface

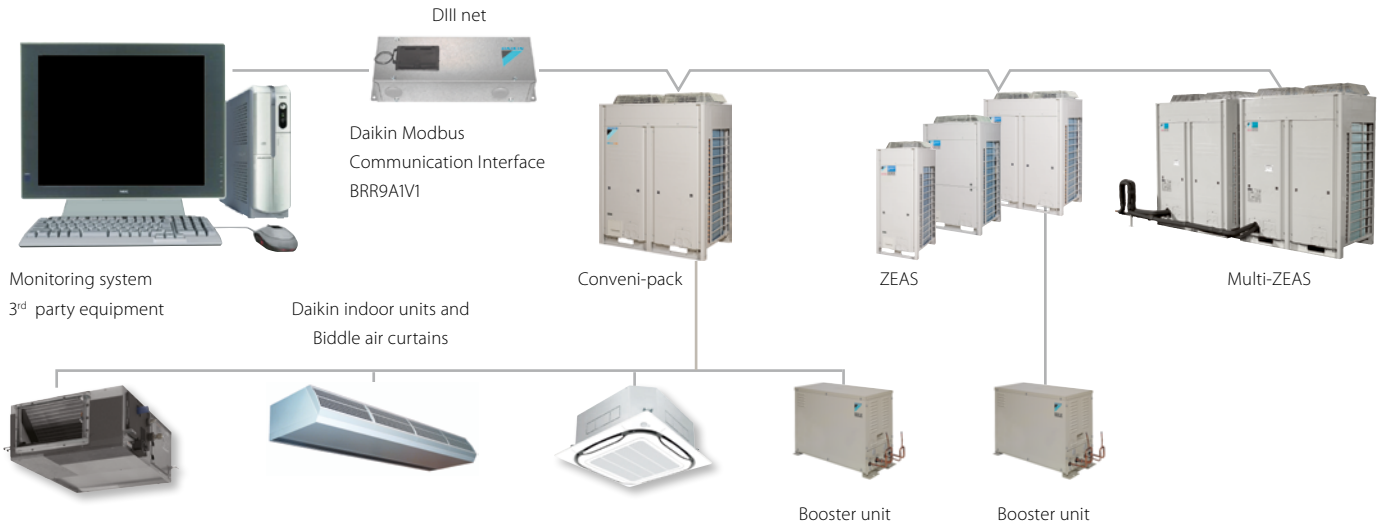
Integrate chillers, fan coil units and air handling units in BMS systems via modbus protocol



(1) The communication module is integrated in the controller (2) Connection to FWV-D, FWL-D & FWM-D (3) Connection to FWV-D, FWL-D, FWM-D and to FWZ-A, FWR-A, FWS-A

Integrate Refrigeration units in BMS systems via modbus protocol

BRR9A1V1



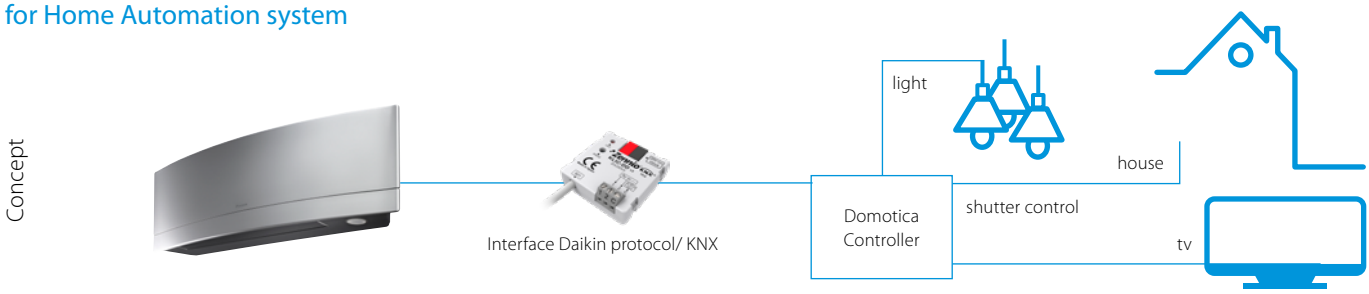
* For all connectable indoor units and Biddle air curtains please refer to the Conveni-pack pages in this catalogue

KLIC-DDV3
KLIC-DI_V2

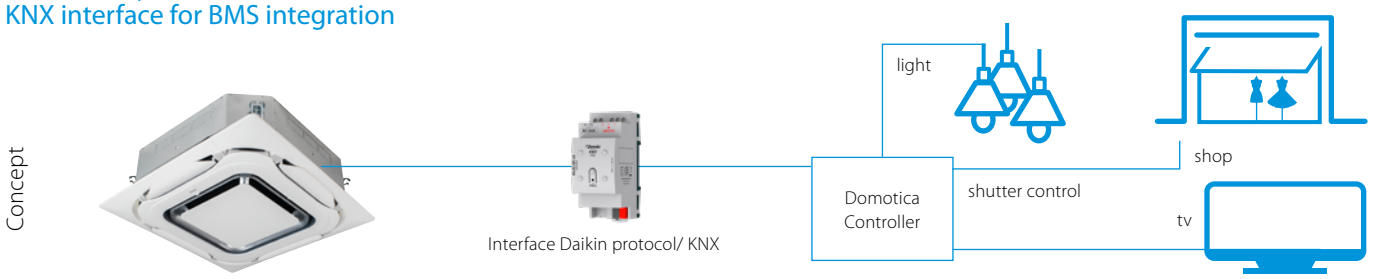
KNX interface

Integration of Split, Sky Air and VRV in HA/BMS systems

Connect split indoor units to KNX interface for Home Automation system



Connect Sky Air / VRV indoor units to KNX interface for BMS integration



KNX interface line-up

The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scene' - such as "Home leave" - in which the end-user selects a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

KNX interface for

	 KLIC-DDV3 size 45x45x15mm	 KLIC-DI_V2 size 90x60x35mm	
	Split	**Sky Air**	**VRV**
Basic control			
On/Off	●	●	●
Mode	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool
Temperature	●	●	●
Fan speed levels	3 or 5 + auto	2 or 3	2 or 3
Swing	Stop or movement	Stop or movement	Swing or fixed positions (5)
Advanced functionalities			
Error management	Communication errors, Daikin unit errors		
Scenes	●	●	●
Auto switch off	●	●	●
Temperature limitation	●	●	●
Initial configuration	●	●	●
Master and slave configuration		●	●

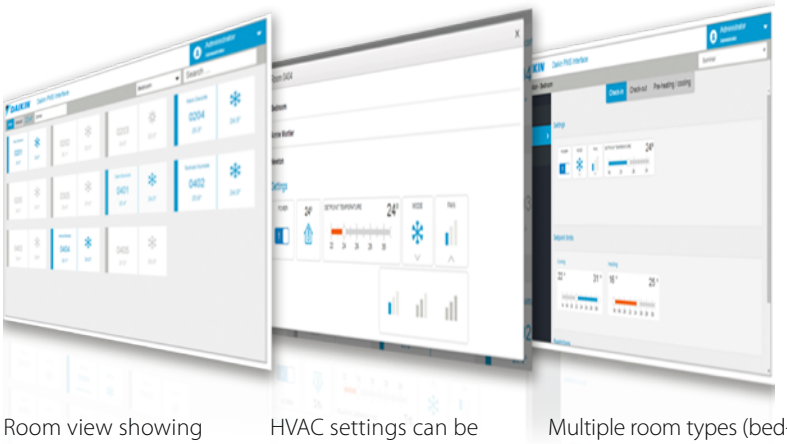
DCM010A51

PMS Interface

Hotel interface connecting Daikin HVAC Property Management Systems

Features

- User-friendly interface for easy front desk support in hotels, conference centers, …
- Compatible with Oracle Opera PMS (formerly known as Micros Fidelio)
- Automated push of indoor unit settings based on the Opera PMS Check-In and Check-Out commands
- Energy saving thanks to the possibility to limit temperature setpoint
- Up to 5 customized operation profiles based on weather conditions
- Available in 23 languages
- Up to 2,500 units / rooms can be managed
- The Daikin PMS is using the FIAS protocol, designed by Oracle, to interface with the Property Management System.



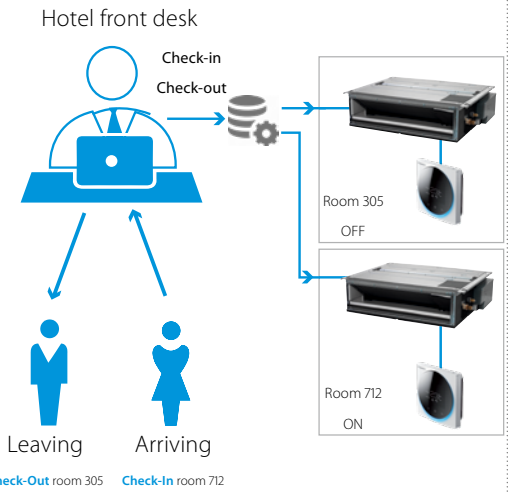
Room view showing room status: check-in, check-out, pre-heating / cooling status, room temperature and A/C status

HVAC settings can be easily observed and changed by the reception desk

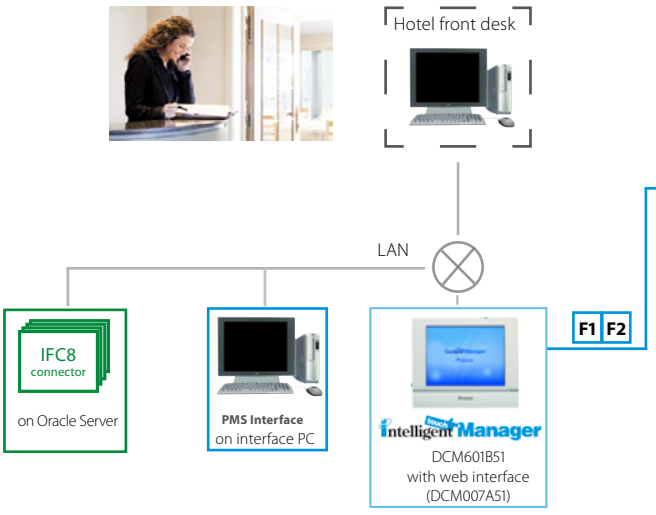
Multiple room types (bed-room, meeting room, …) can be defined with customized A/C settings for each type

Hotel case example:

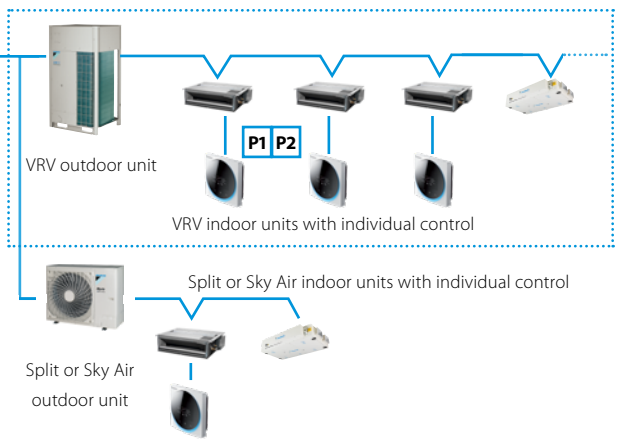
› On check-in the HVAC for the room is automatically switched on
› On check-out the HVAC for the room is automatically switched off.
› Increased hotel customer experience by pre-heating / cooling of booked rooms



Simplified configuration of Daikin PMS interface



Daikin HVAC network

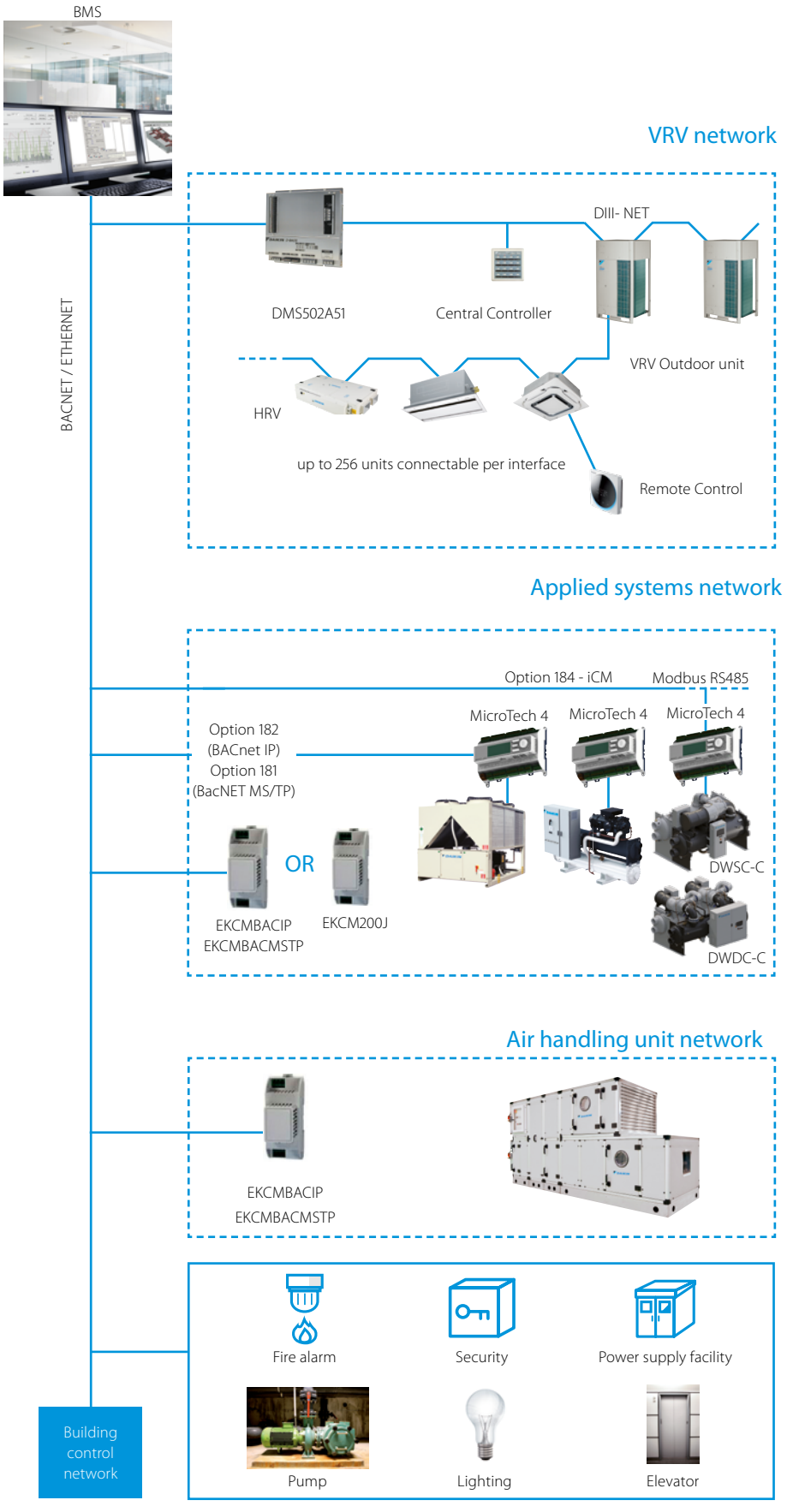


DMS502A51 / EKACBACMSTP / EKCMBACIP / EKCMBACMSTP

BACnet Interface

Integrated control system for seamless connection between VRV, applied systems, air handling units and BMS systems

- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- Unlimited site size
- Easy and fast installation
- PPD data is available on BMS system (only for VRV)

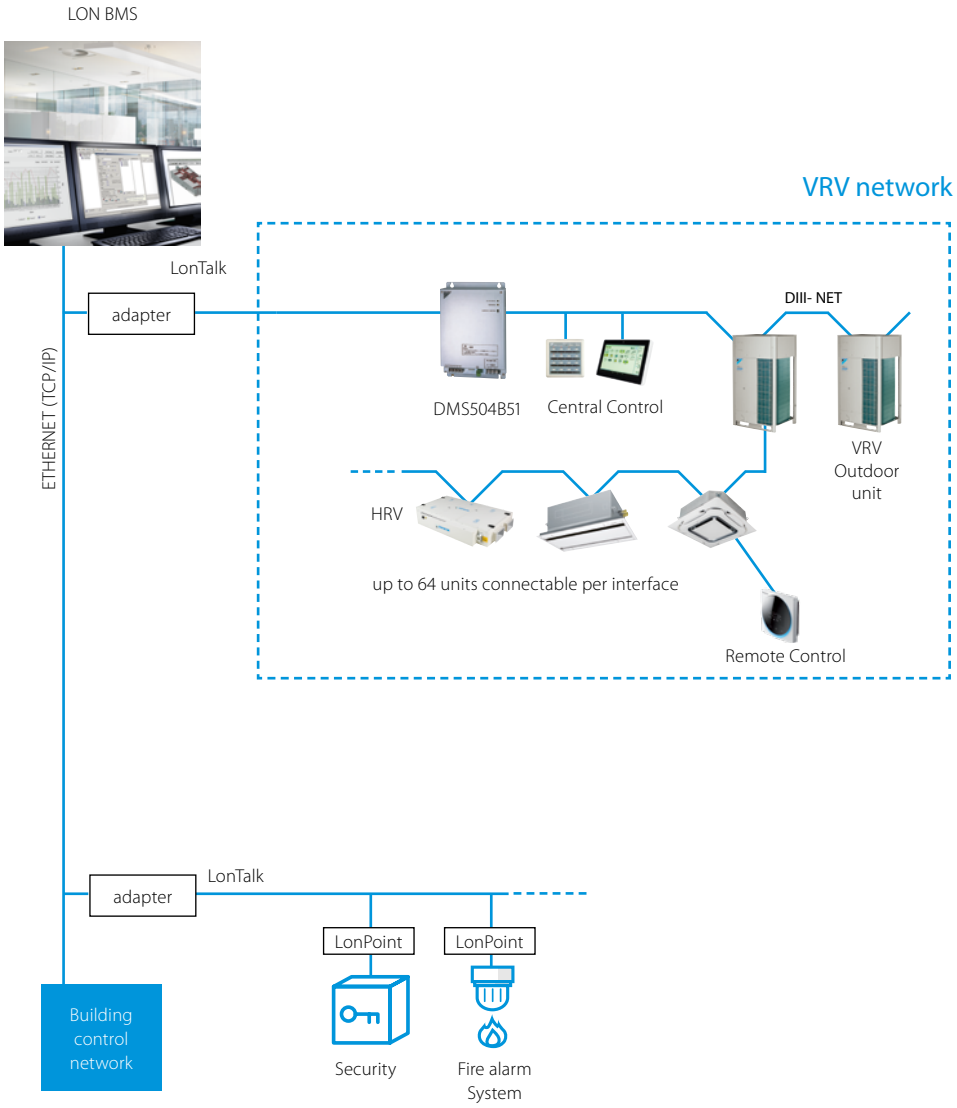


DMS504B51

LonWorks Interface

Open network integration of VRV monitoring and control functions into LonWorks networks

- Interface for Lon connection to LonWorks networks
- Communication via Lon protocol (twisted pair wire)
- Unlimited sitesize
- Quick and easy installation



Daikin Cloud Service

to achieve optimal operation

Daikin Cloud Service is a cloud-based remote control and monitoring solution for DX systems. Using enhanced control, monitoring and predictive logic, Daikin Cloud Service provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

Monitor & control* your system no matter where you are while teaming up with Daikin experts

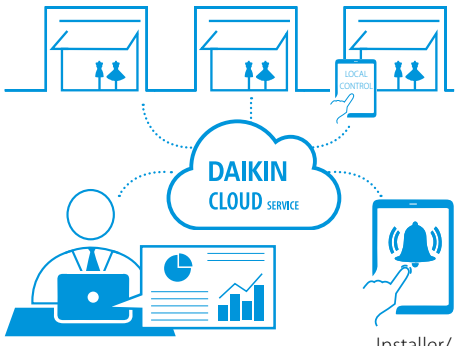
Remote control and energy visualisation

Puts you in the driving seat of your energy management

- ☑ Control and monitor your premises, wherever you are
- ☑ Centralised control and monitoring of all your premises
- ☑ Check errors remotely without having to go on site
- ☑ Visualise energy consumption and reduce energy waste by comparing different premises
- ☑ Graphical visualization of IEQ parameters (frequency day, week, month, year)
- ☑ Export & print IEQ parameters

Multi-site monitoring

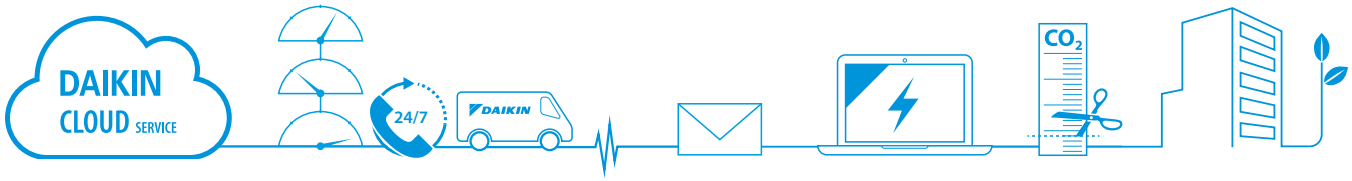
From one to an ∞ number of sites



Remote support and diagnostics

Daikin specialist supervision, so you can focus on your core business

- ☑ Early warning of system deviations to maximise system uptime and avoid emergency repairs**
- ☑ Service providers have access to operational data so they arrive on site prepared
- ☑ Remote expert assistance in case of errors



Advice and optimisation

Get the best out of your system through expert advice

- ☑ Periodical analysis and optimisation report by experts
- ☑ Personalised actions to maximise energy efficiency and comfort
- ☑ Increased system lifetime as the system runs as it should

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information.

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

Daikin Cloud Service packages

	Control and monitoring	Remote support and diagnostics	Advice and optimisation
Remote control, scheduling and interlocking	✓ (DCC601A51 only)	✓ (DCC601A51 only)	✓ (DCC601A51 only)
Energy monitoring	✓	✓	✓
Multi-site benchmark	✓	✓	✓
Alarm history and e-mail notifications**	✗	✓	✓
Predictions and e-mail notifications**	✗	✓	✓
Operational data access	✗	✓	✓
Indoor use analysis	✗	✓	✓
Outdoor use analysis	✗	✓	✓
Remote diagnostic and support from Daikin	✗	✓	✓
Periodical analysis and optimisation advice from Daikin	✗	✗	✓
Can be combined with maintenance programmes: - Technical inspection - Preventive Maintenance Plan - Comprehensive Maintenance Plan	✗	✗	✓

Packages subject to local availability
Daikin Cloud Service replaces VRV Cloud and i-Net services.

Flexible solution

Manage your premises according to your needs, using a local control or remotely via Daikin Cloud Service, or a combination of both.

Control*, no matter where you are

Daikin Cloud Service gives you full control of one or more premises wherever you are, using your PC, tablet or smartphone.

Predictive logic for VRV to prevent breakdowns

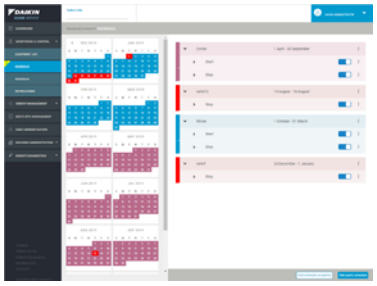
The operational data is continuously analysed by Daikin algorithms to predict potential failures and avoid unexpected costs.

Compatible with:

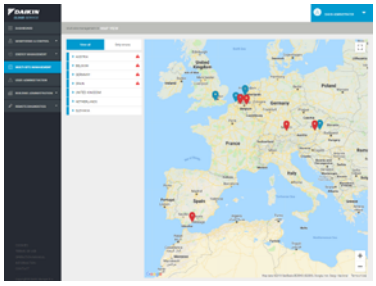
› Intelligent Tablet Controller (DCC601A51)
› Intelligent Touch Manager (DCM601B51) + IoT gateway
› LC8 + IoT gateway



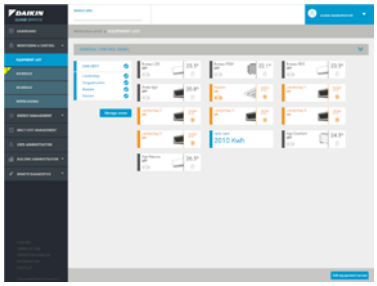
1. Clear dashboard overview



3. Easy setting of schedules



5. Multi site management



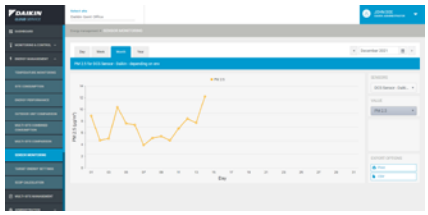
2. Monitor and control your system



4. Energy management and consumption follow up



IEQ dashboard on DCS



DCS IEQ Sensor Monitoring

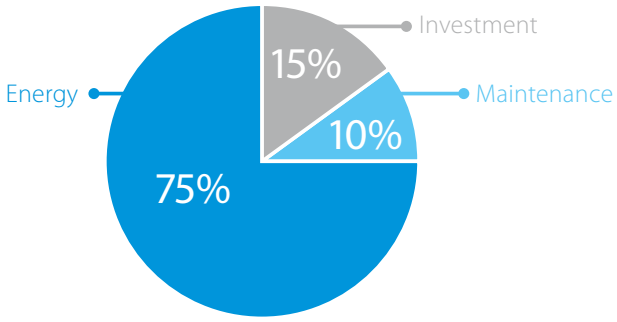
* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

Daikin on Site

Why
Daikin on Site?

Operating costs like energy and maintenance typically account for 85% of the system's total lifetime cost. Undiscovered energy waste and incorrect operation will increase costs and can even lead to unscheduled interruptions.



Typical Life cycle Cost of a chiller (15 years)

Using Daikin on Site monitoring results in optimum use and costs over the system's entire lifetime:

› Enhanced control and measuring
› Monitors the system
› Reduces risks at the earliest possible moment
› Keeps the system running as it was intended to
› Controls your IEQ by connecting our sensor

What
is Daikin on Site?

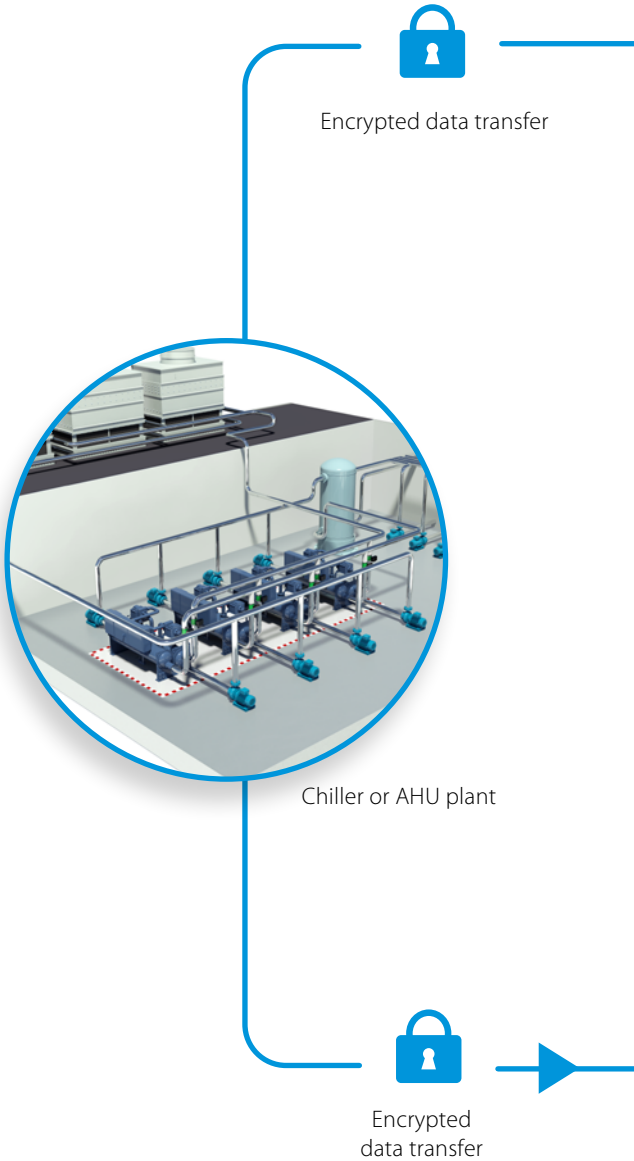
A solution for customer specific needs

The Daikin on Site cloud server collects operational data from the control system of a Daikin chiller or air handling unit plant. Daikin's Smartcentre then turns this data into useful information on a web user interface. Daikin on Site has predefined user roles like:

› **operator**
› **service provider**
› **Daikin specialists**

The Daikin on Site platform's features are designed to:
› Increase uptime, reduce unscheduled interruptions
› Optimise efficiency and reduce energy waste
› Increase lifetime and avoid wear by misuse
› Give insight into the optimum use of equipment, including advice from a Daikin expert

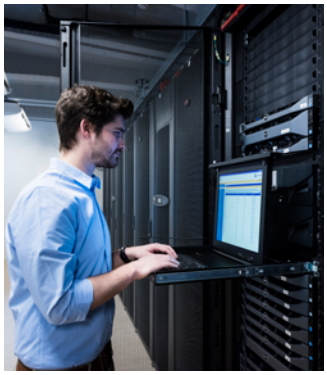
We will combine Daikin on Site remote monitoring with the complementary service programme best suited to your needs.











The remote monitoring for Daikin products

Let's enter in Daikin connected HVAC with Daikin on Site cloud solution. An enriched offer meeting every needs. From a basic control up to a full and advanced monitoring of your HVAC equipment directly from your desk. A wide variety of HVAC application can benefit from Daikin on Site and its connected services.

With Daikin on Site, your HVAC equipment will reach high reliability and efficiency levels. No more stops and long waiting time for Alarm troubleshooting. Thanks to a continuous monitoring and advanced tools, Daikin on Site helps to improve the overall system lifetime. A Daikin expert is ready to help and keep monitored your plant, suggesting actions and system improvements.

Daikin on Site is the best solution to improve your HVAC efficiency.

SOON AVAILABLE

CONNECT

Every unit is connected, monitored and controlled through Daikin on Site. This is the perfect tool for remote on/off, setpoint adjustments and alarm notifications.

PARTNER

Keep and maintain the control. Receive alarm notifications, troubleshoot alarms remotely, change setpoints and settings and visualize the status of your unit with graphs and trends.

PREMIUM

Enable the full power of Daikin on Site with additional tools and services to improve energy efficiency and optimize the working conditions and operations of your Plants.

SERVICE TO CUSTOMER



You can hand it to us

CLOUD DATA WAREHOUSE

Encrypted data transfer

- Local Daikin Monitoring Center
- Service company monitoring center
- Facility manager/owner

IEQ Sensor

Our New Indoor Environmental Quality Sensor



Daikin's newest device measures and analyzes your indoor environment to improve your well-being







Why
Indoor Air Quality Matters

Indoor Air Quality

Indoor Air Quality (IAQ) refers to the quality of the air in indoor environments, which affects building's occupants during their everyday lives. When designing HVAC systems for residential buildings, schools, offices, or light commercial buildings, many things must be considered. While it is important to meet the cooling and heating demand, we should also consider aspects such as ventilation, air filtration, and indoor air quality.

Did you know that breathing indoor air, whether it is at home, at the office, or in a hotel room, can be much more polluted than outdoor air? Remember that 90% of our life is spent indoors, and indoor air quality can be 2 to 5 times worse than outdoor air.

Indoor Air Quality components

Indoor Environment Quality (IEQ) is broader than IAQ, and includes lighting, noise, and electromagnetic fields.

1. Ventilation
Ensures the provision of fresh and clean air

2. Energy recovery
Delivers energy savings by transferring heat and moisture between airflows

3. Air processing
Ensures clean and healthy air by filtering out pollen, dust, and odours that are harmful to our health

4. Humidification
Ensures the desired moisture level in the conditioned space

Ventilation

Ventilation systems ensure optimal climate conditions by providing a fresh, healthy, and comfortable environment for buildings of all sizes, as well as for different applications.

In a completely closed room, air cannot easily enter or leave, causing air pollutants to accumulate which could affect the health of the people who use the room. Ventilation is essential for diluting and removing these air pollutants.

A well-maintained ventilation system with an adequate air-exchange rate have been demonstrated to be an effective solution to protect people from contaminants, including viruses.

Monitoring Indoor Air Quality

Nowadays, most things that surround us can be monitored and tracked, even Indoor Air Quality (IAQ). Monitoring and tracking IAQ values can help us to understand how our surrounding environment affects our well-being, and then take action to improve the quality of the environment in which we live, whether this is our homes, the office, a restaurant, schools, or shops.

Features

The Daikin IEQ Sensor measures your well-being by tracking indoor air quality values, environmental comfort, and electromagnetic pollution. It is available with 12 sensors and 15 parameter measures, and connects through your Wi-Fi network or via NB-IoT technology.

☑ Complete Standalone Installation

The Daikin IEQ Sensor does not have to be paired with another product, for an extremely easy and completely standalone installation that takes about a minute. The device can be powered up with microUSB power supply (included). The material code is AIRSENSEPROPLUS.

☑ Caelum Monitoring Platform

The device connects to Caelum, Daikin's monitoring platform, at www.daikiniaq.com. This enables you to easily monitor Indoor Air Quality levels and create regular reports based on the data detected by the sensor. You can even use the platform to show your indoor air quality levels to your visitors.

☑ Mobile App

The configuration app is available as Daikin AirSense on both the App Store and Play Store. Once installed on your mobile device and logged in, scan the QR code on the IEQ sensor and the app will guide you through the entire configuration process. Once your sensor is configured, you will have access to the entire set of functions from your mobile.

☑ Connectivity

The IEQ sensor ensures perfect integration with Daikin on Site and Daikin Cloud Service, Daikin's remote monitoring and smart maintenance platform. It gives you perfect control over the entire heating, ventilation and air conditioning system installed in your building. You can use interlock function between IAQ sensor and AHUs.

☑ Available ReFilter tools

Product Hierarchy

› Material – Product hierarchy: Accessory
› Material name: AIRSENSEPROPLUS
› Business Pillar: SERVICES

☑ Green Building Certification

Installing the Daikin IEQ sensor can help you achieve better sustainability ratings and green building projects certified with LEED and WELL certification thanks to Indoor Environmental Quality credits.

☑ Video wall

The video wall is a great tool to have a general overview of the measurements conducted by the device. This screen can be shared with the occupants of the buildings to show in each moment the Indoor Air Quality status.

☑ Communication capability

NB-IoT: This technology can reach devices in areas where reception is poor or difficult to reach. Complete standalone installation. This is a perfect solution for service purposes where access to local Wi-Fi is not allowed or not available.

Wi-Fi: Easy and complete standalone installation.

Daikin IEQ Sensor kit

The IEQ sensor kit comes in a carton box containing the following items:

› Power Supply plug
› USB - Micro USB Cables
› Wall fixing kit
› Quick installation guides



NB-IoT or WiFi?

Communication is either Wifi or NB-IoT network (mobile network). The NB-IoT services is available in the following 18 countries: Austria, Belgium, Czech Republic, Denmark, Estonia, Germany, Greece, Hungary, Ireland, Italy, the Netherlands, Norway, Portugal, Romania, Spain, Switzerland, United Kingdom. NB-IoT services carry a fee (invoiced after the first year of usage).



Sensor characteristics

Fine Dust (PM10/PM2.5)
Range: 0 to 1,000 µg/m3
Precision: (from 0 µg/m3 to 100 µg/m3): ±15 µg/m3
Precision: (from 100 µg/m3 to 1,000 µg/m3): ±15%
Resolution: 1 µg/m3

Temperature
Range: -40 °C a 85 °C
Precision: ±1 °C (between 0 °C and 65 °C)
Resolution: 0.1 °C

Humidity
Range: 0 to 100% RH
Precision: ±3% RH
Resolution: 0.1% RH

Ambient Light
Range: 0 lux to 120,000 lux
Precision: ±10%
Resolution: 0.1 lux

Air Pressure hPa
Range: 300 to 1,100 mbar (hPa)
Precision: 0.1 mbar (hPa)
Resolution: 0.1 mbar (hPa)

Electrosmog
LF Range: 0 - 20.000 nT - Range: 5 Hz - 120 Hz
Precision: ±5% - Resolution: 25nT
HF Range: 0 to -10 V/m - Range: 50 MHz - 300 GHz
Precision: ±10% - Resolution: 0.1 V/m
Measurements performed on 3 axes

CO_2
Range: 0 to 5,000 ppm
Precision: ±30 ppm (between 0 and 1,000 ppm)
±3% (over 1,000 ppm)
Resolution: 1 ppm

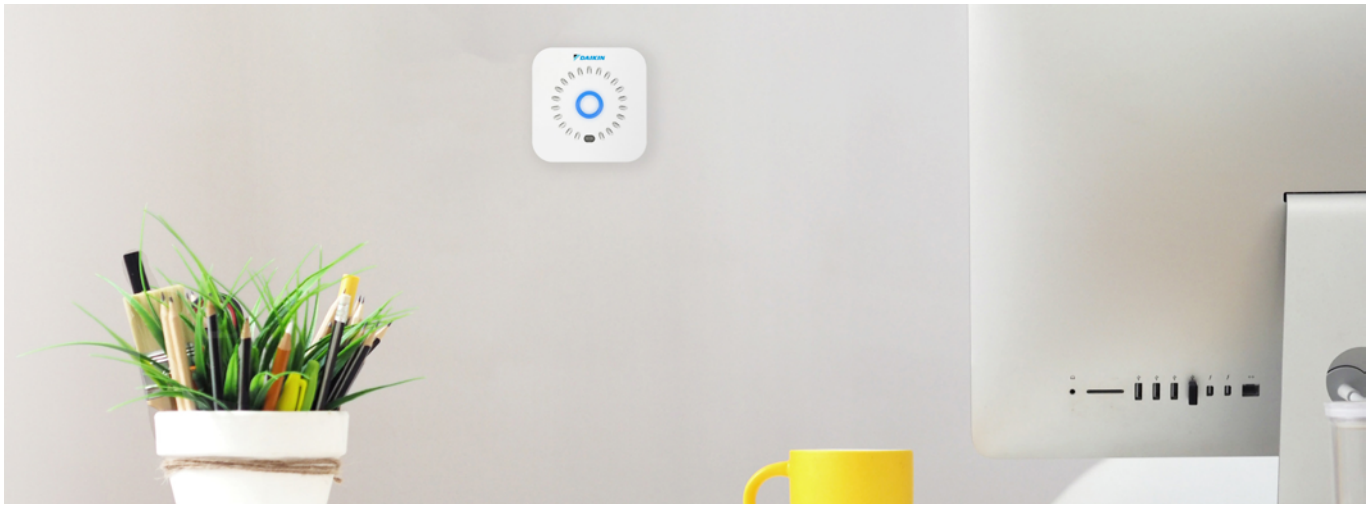
TVOC
Range: 0 ppb to 1,187 ppb
Resolution: 1 ppb
Precision: ±10%

Air quality
Range: 0 to 500
Precision: ±15%
Resolution: 0.1

Sound Pressure
Range: 28 to 120 dBspl
Frequency: from 50 Hz to 20 KHz
Precision: ±1 dBspl
Resolution: 0.1 dBspl

CO_2e
Range: 400 to 6,000 ppm
Precision: 20%
Resolution: 1 ppm

Wi-Fi networks & signal intensity (2.4GHz band)/(PM10-PM2.5)
Detects Access Point n° in band 2.4Ghz and overall signal level
(from 0 to -100 dBm)



EKPCCAB4

Daikin Configurator Tool + Software

Simplified commissioning: graphical interface to configure, commission and upload system settings

Simplified commissioning

The Daikin configurator for Daikin Altherma and VRV is an advanced software solution that allows for easy system configuration and commissioning:

› Less time is required on the roof configuring the outdoor unit
› Multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning for key accounts
› Initial settings on the outdoor unit can be easily retrieved



Simplified commissioning

Retrieve initial system settings





K.RSS

Wireless room temperature sensor

Flexible and easy installation

› Accurate temperature measurement thanks to flexible placement of the sensor
› No need for wiring
› No need to drill holes
› Ideal for refurbishment

Connection diagram Daikin indoor unit PCB (FXSQ example)



Specifications

			Wireless room temperature sensor kit (K.RSS)	
			Wireless room temperature receiver	Wireless room temperature sensor
Dimensions		mm	50 x 50	ø 75
Weight		g	40	60
Power supply			16VDC, max. 20 mA	N/A
Battery life			N/A	+/- 3 years
Battery type			N/A	3 Volt Lithium battery
Maximum range		m	10	
Operation range		°C	0~50	
Communication	Type		RF	
	Frequency	MHz	868.3	

› Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

KRCS*

Wired room temperature sensor



› Accurate temperature measurement, thanks to flexible placement of the sensor
› Specific model code for each indoor unit can be found in the option tables

Specifications

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

ADAPTER PCBs

Simple solutions for unique requirements
Concept and benefits

› Low cost option to satisfy simple control requirements
› Deployed on single or multiple units

			Connectable to:		
			Split	Sky Air	VRV
	**(E)KRP1B*** adapter for wiring	› Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper › Powered by and installed at the indoor unit		●	●
	**KRP2A*/KRP4A*** Wiring adapter for electrical appendices	› Remotely start and stop up to 16 indoor units (1 group) (KRP4A* via P1 P2) › Remotely start and stop up to 128 indoor units (64 groups) (KRP2A* via F1 F2) › Alarm indication/ fire shut down › Remote temperature setpoint adjustment › Cannot be used in combination with a central controller		●	●
	**SB.KRP58M2**	› Low noise and demand control option for RZAG-N* and RZASG-M* series. › Obligatory mounted plate EKMKSA2 needs to be ordered separately		●	
	**KRP58M51**	› Low noise and demand control option for RZA-D series. › Includes obligatory mounted plate EKMKSA3 › Obligatory mounting plate EKMKSA3 needs to be ordered separately		●	
	**DTA104A*** Outdoor Unit External Control Adapter	› Individual or simultaneous control of VRV system operating mode › Demand control of individual or multiple systems › Low noise option for individual or multiple systems			●
	**DCS302A52-9** Unification adapter for computerized control	› Enables unified display (operation/malfunction) and unified control (ON/OFF) from BMS system › Must be used together with Intelligent Touch Controller or intelligent Touch Manager › Cannot be combined with KRP2/4* › Can be used for all VRV indoor models			●
	**KRP928*** Interface adapter for DIII-net	› Allows integration of split units to Daikin central controls	●		
	**KRP980*** Adapter for split units without an S21 port	› Connect a wired remote control › Connect to Daikin central controls › Allow external contact	●		
	**KRP413*** Wiring adapter normal open contact / normal open pulse contact	› Switch off auto restart after power failure › Indication of operation mode / error › Remotely start /stop › Remotely change operation mode › Remotely change fan speed	●		

Some adapters require an installation box, refer to the option lists for more information

Accessories

EKRORO		› External ON/OFF or forced off › Example: door or window contact
EKRORO 3		› External ON/OFF or forced off › F1/F2 contact › Example: door or window contact
KRC19-26A		› Mechanical cool/heat selector › Allows switching over an entire system between cooling/heating/fan only › Connects to the A/B/C terminals of the unit
BRP2A81		› Cool/heat selector PCB › Required to connect KRC19-26A to a VRV IV outdoor unit

Individual and centralised controls

	BRC1D*	BRC1E*	BRC1H*	DCS301B51	DST301B51	DCS302C51	DCS601C51
Madoka Assistant app for advanced settings			●				
Electical box KJB111A	●	●	●				
Electical box KJB212A(A) (1)	●	●		●	●		
Electical box KJB311A(A)						●	
Electical box KJB411AA							●

(1) recommended as wider (more stable mounting)

Intelligent Tablet Controller - DCC601A51

		intelligent Tablet Controller		
		Options for local control	**Daikin Cloud Service options**	**Software**
Wired screen for local control	AL-CCD07-VESA-1	●	–	–
Control and monitoring package		–	●	–
Remote support and diagnostics package		–	●	–
Advise and optimisation package		–	●	–
Commissioning tool		–	–	●
Software update tool		–	–	●

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information

Standard protocol interfaces - DMS502A51

		BACnet Interface
DIII-net expansion board (2 ports), connects up to 128 additional indoor units	DAM411B51	●
Digital pulse inputs (12) for PPD functionality	DAM412B51	●

Intelligent Chiller Manager

		intelligent Manager
Differential Pressure Sensor 4-20 mA 0-160 kPa	EKQDP2M016	●
Differential Pressure Sensor 4-20 mA 0-250 kPa	EKQDP2M020	●
Differential Pressure Sensor 4-20 mA 0-400 kPa	EKQDP2M040	●
Differential Pressure Sensor 4-20 mA 0-600 kPa	EKQDP2M060	●
ModBus RTU communication module	EKCM200J	●
BACnet IP communication module	EKCMBACIP	●

Intelligent Touch Manager - DCM601B51

		intelligent Manager	Daikin Cloud Service options (2)
DIII Plus Adaptor - Allows connection of additional 64 indoor units/groups. Only one adaptor can be connected (for more units, use DIII Plus Adaptor Slots)	DGE601A52	●	
DIII Plus Adaptor - Allows connection of additional 64 indoor units/groups. Up to 6 Adaptor Slots can be added to a DIII Plus Adaptor	DGE601A53		
iTM plus adapter – Allows connection of an additional 64 indoor units/groups. Up to 7 adapters can be connected	DCM601A52	●	
iTM PPD software – Allows distribution of used kWh by indoor units connected to the iTM	DCM002A51	●	
iTM HTTP interface - Allows communication to any third party controller via http interface	DCM007A51	●	
iTM Energy navigator – Energy management option	DCM008A51	●	
iTM BACnet Client option – Enables integration of third party devices to the iTM via the BACnet/IP protocol. (This is not a gateway and cannot replace DMS502A51)	DCM009A51	●	
Property Management System (PMS) interface option - Enables to connect to third party PMS systems	DCM010A51	● Oracle Opera PMS	
Monitoring package			●
Remote support and diagnostics package			●
Advise and optimisation package			●

WAGO interface options for intelligent Touch Manager

Required or optional WAGO base modules

Module type	Model code	Specifications	
24 V DC power supply	787-712	100 to 240 V AC —> 24 V DC, 2.5 A	Required
Communications unit (Bus coupler)	WGDCMCPLR2	RS-485, Max:115.2kbps, not programmable	Required
Connector (1)	750-960		Required
Terminator module	750-600		Required
Power supply module	750-613	IN: 24 V DC, OUT: 5 V DC	Optional

Supported WAGO I/0 modules

I/0 module type	Model code	Specifications	N° of contacts
Di	750-400	No-voltage contact input Contact rating: 24 V DC / 4.5 mA"	2
	750-432		4
	750-430	No-voltage contact input Contact rating: 24 V DC / 2.8 mA	8
Do	750-513/000-001	No-voltage contact output Contact rating: 230 V AC / 30 V DC, 2 A	2
	750-504	No-voltage contact output Contact rating: 24 V DC / 0.5 A	4
Ai	750-454	Rated at 4 to 20 mA: 12-bit resolution	2
	750-455		4
	750-479	Rated at –10 to 10 V: 13-bit resolution	2
	750-459	Rated at 0 to 10 V: 12-bit resolution	4
Ao	750-554	Rated at 4 to 20 mA: 12-bit resolution	2
	750-555		4
	750-560	Rated at –10 to 10 V: 10-bit resolution	2
	750-559	Rated at 0 to 10 V: 12-bit resolution	4
Thermistor	750-461/020-000	NTC20K thermistor	2
	750-461	Pt 100/RTD	2
	750-460		4
	750-461/000-003	Pt 1000/RTD	2
	750-460/000-003		4
	50-461/000-004	Ni 100/RTD	2
	750-461/000-005	Ni1000 TK6180/RTD	2
	750-460/000-005		4
Pi	750-638	Minimum pulse width: 1 ms	2

(1) This connector must be attached to a communications unit that is connected to the RS485 port (2-pin) of the iTM unit.

(2) To connect intelligent Touch Manager to the Daikin Cloud Service, the IoT gateway (EU.SB.5000072) and AC/DC converter (999175A) is needed.

Power supply

T1 = 3~, 220V, 50Hz
V1 = 1~, 220-240V, 50Hz
VE = 1~, 220-240V/220V, 50Hz/60Hz*
V3 = 1~, 230V, 50Hz
VM = 1~, 220~240V/220~230V, 50Hz/60Hz
W1 = 3N~, 400V, 50Hz
Y1 = 3~, 400V, 50Hz

* For VE power supply only 1~, 220-240V, 50Hz data is displayed in this catalogue.

Conversion table refrigerant piping

inch	mm
1/4″	6.4 mm
3/8″	9.5 mm
1/2″	12.7 mm
5/8″	15.9 mm
3/4″	19.1 mm
7/8″	22.2 mm
1 1/8″	28.5 mm
1 3/8″	34.9 mm
1 5/8″	41.3 mm
1 3/4″	44.5 mm
2″	50.8 mm
2 1/8″	54 mm
2 5/8″	66.7 mm

F-gas regulation

Any refrigeration system that contains fluorinated greenhouse gases is in scope of the F-gas regulations.
For fully/partially pre-charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels and in the notes underneath the specification tables in this catalogue.
For non pre-charged equipment (including, but not limited to racks): its functioning relies on fluorinated greenhouse gases.
The F-gas regulations do not apply to systems that contain only natural refrigerants such as propane or carbon dioxide.

Measuring conditions

Air conditioning

1) Nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m
2) Nominal heating capacities are based on:	
Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m

Refrigeration

ZEAS	Chilling		Evaporating temp. -10°C; outdoor temp. 32°C; Suction SH10°C
	Freezing		Evaporating temp. -35°C; outdoor temp. 32°C; Suction SH10°C
Conveni-Pack	Mix Air conditioning and refrigeration operating mode		Indoor temp. 27°CDB/19°CWB; outdoor temp. 32°CDB; piping length:7.5m; level difference: 0m; refrigeration side: Evaporating temp. -10°C; outdoor temp. 32°CDB; Suction SH: 10°C
	Mix heating and refrigeration operating mode (Heating recovery 100% mode)		Indoor temp. 20°C; outdoor temp. 7°CDB,6°CWB; advertised refrigerant load (Evaporating temp. -10°C; Suction SH: 10°C); piping length:7.5m; level difference: 0m
Booster unit			Evaporating temp. -35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C
CCU/SCU	Medium temperature application		Medium temperature application: Outside ambient temp. 32°C; Evaporating temp. = -10°C and 10K superheat;
	Low temperature application		Low temperature application: Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature
Zanotti	Uni-Block, Bi-Block, Wineblock	High temperature	When normally running: +10°C / +30°C
		Medium temperature	When normally running: 0°C / 30°C
		Low temperature	When normally running: -20°C / +30°C
	CU (one, twin, and more compressor(s))	Medium temperature	Outside ambient temp. 32°C; Evaporating temp. = -10°C and 20°C suction gas temperature
		Low temperature	Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature

Applied systems

Air cooled	Cooling only		Evaporator: 12°C/7°C	Ambient: 35°CDB
	Heat pump		Evaporator: 12°C/7°C	Ambient: 35°C
			Condenser: 40°C/45°C	Ambient: 7°CDB/6°CWB
Water cooled	Cooling only		Evaporator: 12°C/7°C	
			Condenser: 30°C/35°C	
	Heating only		Evaporator: 12°C/7°C	
			Condenser: 40°C/45°C	
Condenserless chiller			Evaporator: 12°C/7°C	
			Condensing temperature: 45°C / liquid temperature: 40°C	
Fan coil units	Cooling		Indoor temperature 27°CDB, 19°CWB; entering water temperature 7°C, water temperature rise 5K	
	Heating	2-pipe	Indoor temperature 20°CDB, 15°CWB; entering water temperature 45°C, water temperature drop 5K	
		4-pipe	Indoor temperature 20°CDB, 15°CWB; entering water temperature 65°C, water temperature drop 10K	
Air Handling Units			Temperature and humidity conditions: Extract air 22°C / 50%; Fresh air -10°C / 90%	

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks). The sound power level is an absolute value indicating the "power" which a sound source generates. For more detailed information please consult our technical databooks.

Benefits

We care icons



Auto-cleaning filter
The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.



Inverter technology
Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.



2 area motion detection sensor
Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 2 directions: left and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting.



3 area motion detection sensor
Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting and eventually switch off.



Energy saving during operation standby
Current consumption is reduced by about 80 % when operating on standby.



Night set mode
Saves energy, by preventing overcooling or overheating during night time.



Econo mode
This function decreases the power consumption so that other applicances that need large power consumption can be used. This function is also energy saving.



Movement sensor
Saves power consumption in unoccupied rooms: when the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.



Home leave operation
Maintains the indoor temperature at your specified comfort level during absence, thus saving energy.



Fan only
The unit can be used as fan, blowing air without heating or cooling.



Free cooling
By exploiting the low external air temperatures to cool the water, free cooling reduces the load on the compressors and decreases considerably the annual operating costs during the cold season.



Presence and floor sensor
The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.



Solar panel
Take advantage of solar power. Easily connect your hot water storage to solar collectors on your roof.

Comfort



Comfort mode
The unit automatically changes the angle of the air discharge louvre depending on the mode. In cooling operation the air will be directed rather upwards to avoid cold draught, while in heating operation the air will be directed rather downwards to avoid cold feet.



Powerful mode
If the temperature in the room is too high/low, it can be cooled down/heated quickly by selecting the 'powerful mode'. After the powerful mode is turned off, the unit returns to the preset mode.



Parctically inaudible
Practically inaudible: the unit runs so quietly, you will almost forget it is there.



Whisper quiet
Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood. (with sound levels as low as 19dB(A)



Outdoor unit silent operation
To ensure a quiet environment for the neighbourhood the user can lower the operation sound of the outdoor unit by 3 dB(A) via remote control.



Comfortable sleeping mode
Increased comfort function that follows a specific temperature fluctuation rhythm.



Draught prevention
When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.



Auto cooling-heating changeover
Automatically selects cooling or heating mode to achieve the set temperature.



Indoor unit silent operation
To ensure a quiet environment for studying or sleeping the user can lower the operation sound of the indoor unit by 3 dB(A) via remote control.



Night quiet mode (multi outdoor units in cooling mode only)
Lowers the operation sound of the outdoor unit automatically at night. Installer has to make special setting on outdoor unit or wired remote controller, depending on model.



Fresh hot water
The structure of thermal store ensures optimal water hygiene and eliminates the risk of bacteria and legionella. Rest assured that your hot water is fresh and safe.



Heat boost
Quickly heats up your home when starting up your air conditioner. Set temperature is reached 20% faster than a regular air conditioner (pair only).



Heat plus
The heat plus function provides cosy heating by stimulating radiant heat for 30 minutes. Afterwards, the previous settings are again activated.



Floor warming
Optimises convection by distributing hot air from the bottom of the unit.

Air flow



Ceiling soiling prevention
A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.



Vertical auto swing
Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.



Auto fan speed
Automatically selects the necessary fan speed to reach or maintain the set temperature.



Individual flap control
Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.



Coanda effect - cooling
The Coanda effect optimises the airflow in cooling mode. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



Coanda effect - heating
The Coanda effect optimises the airflow in heating mode. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



3-D Air flow
This function combines Vertical and Horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.



Horizontal auto swing
Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.



Fan speed steps
Allows to select up to the given number of fan speed.



Fireplace logic
When installed close to a heating device (e.g. fireplace or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house.



Intelligent thermal sensor
The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.

Benefits

Humidity control

Ururu - humidification
Moisture is absorbed from the outdoor air and evenly distributed throughout the indoor areas.

Sarara - dehumidification
Reduces indoor humidity, without affecting the room temperature, by mixing cool, dry air with warm air.

Dry programme
Allows humidity levels to be reduced without variations in room temperature.

Air treatment

Flash Streamer*
Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air.

Titanium apatite deodorizing filter
Decomposes bothersome odours of for example tobacco and pets.

Silver allergen removal and air purifying filter
Captures allergens such as pollen to ensure a steady supply of clean air.

Air filter
Removes airborne dust particles to ensure a steady supply of clean air.

Remote control & timer

Weekly timer
Can be set to start heating or cooling anytime on a daily or weekly basis.

Infrared remote control
Infrared remote control with LCD to start, stop and regulate your indoor unit from a distance.

Timer
Allows to preset the air conditioner to start/stop at a specified time.

Centralised control
Centralised control to start, stop and regulate several indoor units from one central point.

Wired remote control
Wired remote control to start, stop and regulate the air conditioner from a distance.

onecta **app**
Control your indoor climate from any location via smartphone or tablet.

Multi zoning
Allows up to 6 individual climate zones with one indoor unit.

Voice control
Control your unit with your voice.

24 Hour timer
Timer can be set to start cooling/heating anytime during a 24-hour period.

Other functions

Auto-restart
The unit restarts automatically at the original settings after power failure.

Multi model application
Up to 3 indoor units can be connected to a single outdoor unit, even if they have different capacities. All indoor units can individually be operated within the same heating or cooling mode.

Twin/triple/double twin application
2, 3 or 4 indoor units can be connected to only a single outdoor unit even if they have different capacities. All indoor units operate within the same heating or cooling mode from one remote control.

Multi model application
Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

VRV for residential application
Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Drain pump kit
Facilitates condensation draining from the indoor unit.

Swing compressor
Swing type compressors have a unified vane and roller with fewer moving parts producing low vibration and friction, achieve higher reliability and efficiency compared to conventionally rotary compressors.

Self-diagnosis
Simplifies maintenance by indicating system faults or operating anomalies.

Screw compressor
Single screw compressors consist of a main single screw and two gate rotors. Optimal performance through step less capacity control, they are designed for high capacities and optimal performances.

Multi tenant
The indoor unit's main power supply can be turned off when leaving the hotel or office building.

Reciprocating compressor
The reciprocating type compressor consists of a cylinder, pistons and valves. The compression is accomplished by reciprocating movements of the piston in the cylinder.

Scroll compressor
Scroll compressors consist of two scrolls, one is fixed while the other orbits eccentrically without rotating. Designed for small and medium capacities, they provide constant reliability and high efficiency throughout its service life.

Guaranteed operation down to -20°C
Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.

Centrifugal compressor
Centrifugal compressors use an impeller and volute section to convert the velocity energy into pressure energy. Centrifugal compressors are designed with either optional variable speed drives (VFD) for superior part-load performance for single or dual compressor units, or with magnetic bearings and totally oil-free operation.

Guaranteed operation down to -25°C
Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -25°C.

Infrastructure cooling
Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment.

Guaranteed operation down to -28°C
Daikin units are suitable for all climates, even withstanding severe winter conditions with an operation range down to -28°C.

* The Flash Streamer technology is not meant to be used for medical purposes



ECPEN23-500A

Daikin Europe N.V participates in the Eurovent Certified Performance programme for Fan Coil Units and Variable Refrigerant Flow systems. Daikin Applied Europe S.p.A participates in the Eurovent Certified Performance programme for Liquid Chilling Packages, Hydronic Heat Pumps and Air Handling Units.
Check ongoing validity of certificate: www.eurovent-certification.com"

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