Fuji Electric

PRODUCT CATALOGUE 2016

AIR CONDITIONERS LINEUP

SPLIT

MULTI SPLIT



Green Aspect for Refrigerant

EU strengthen F-Gas Regulation introduced 2014.
We are active on that scenario for future.

Phase down scenario of HFC

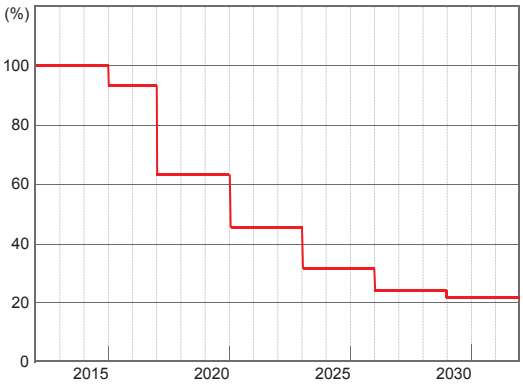
EU strengthen F-gas Regulation introduced 2014.

New EU F-gas Regulation aims prevention of emissions and reduction the use of higher GWP F-gases.

Key elements

- Phase down approach
- Quota allocation
- Restrictions on the placing on the market
- Traceability of HFC contained in pre-charged equipment

Fuji Furukawa Engineering & Construction work on the reduction of HFC with innovative efforts

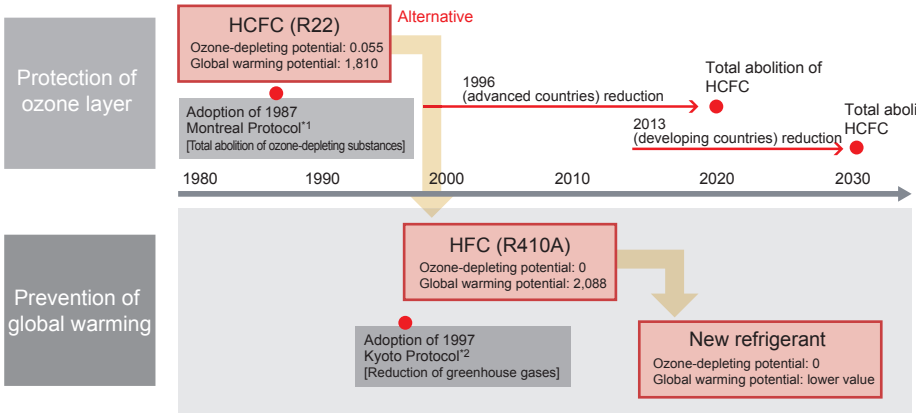


HFC phased reduction (Article 15, phased reduction from 2015)
CO_2 conversion (Compared with the production and import quantity from 2009 to 2012)

Road to 2025

From 2025, single split A/C containing less than 3 kg of F-gas (GWP>= 750) will be banned.

As our investigation and evaluation, Fuji Furukawa Engineering & Construction think R32 is best balanced alternative gases.
We will gradually adopt R32 for our product range.



*1 Montreal Protocol: This protocol specifies ozone-depleting substances (8 kinds) for the purpose of regulating production, consumption, and trading of those substances. Currently, the protocol has been ratified by 197 countries.

*2 Kyoto Protocol: The target amount of greenhouse gas emission (CO_2, methane, NO, HFC, PFC, and SF6) was determined to be 5% reduction among the entire number of advanced countries.



Our Pioneering Efforts Make Green Future

Approach to New Energy Efficiency Standard

Fuji Furukawa Engineering & Construction following The EU Climate Action Plan 20/20/20 by 2020

20% LESS
Primary Energy Use

Fuji Furukawa Engineering & Construction products with high efficiency and therefore low electricity input and low primary energy usage

20% LESS
CO_2 Emissions

Fuji Furukawa Engineering & Construction products sharply following the F-gas regulation 842/2006/EC

20% SHARE
of Renewable Energy

Fuji Furukawa Engineering & Construction promoting air sourced heat pumps as renewable energy source heating systems

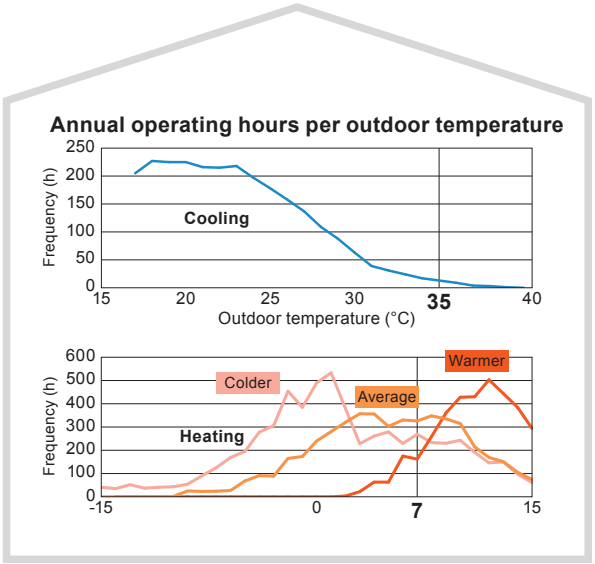
Pursuit of Energy Saving Taking Actual Operation into Consideration

The heat load varies greatly depending on the time and season. However, the operation ratio EER or COP up to now has been calculated based on the rated value and the annual operating hours per outdoor temperatures was not taken into consideration. For this reason, SEER and SCOP* have been made the standard in terms of actual operating hours throughout the year.

*: SEER = Seasonal Energy Efficiency Ratio
SCOP = Seasonal Coefficient of Performance

Fuji Furukawa Engineering & Construction provides air conditioners with higher SEER and SCOP.

*SEER and SCOP are indexes that express the annual energy efficiency calculated based on the regulations of (EU) 626/2011





We always keep the future in mind to ensure that the air conditioning technology that makes people comfortable is also environmentally friendly.

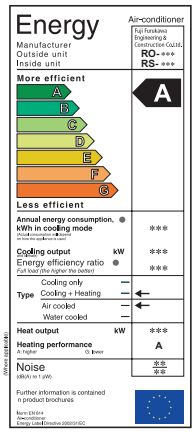
Energy Efficiency Classifications

For Air Conditioners

New Energy Labelling Requirement 626 / 2011 / EU :
Our models have reached the "Class A" ranking, the highest energy efficiency level that is now shown on energy labels in Europe.

Fuji Electric

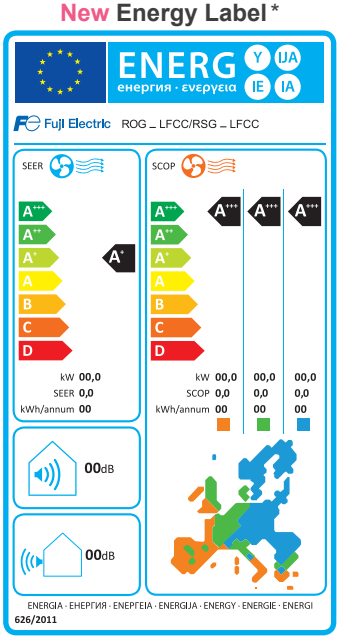
Current Energy Label



- Performance notation based on multiple points calculations that better matches the actual operation
- Energy labelling revision
- Raising of the "Class A" level

- Three climate zone for heating (Average zone: mandatory) (Warmer and colder zone are optional)
- Seasonal efficiency
- Sound power level

New Energy Label *



	EER (Cooling mode)	COP (Heating mode)
A	3.20 < EER	3.60 < COP
B	3.20 ≥ EER > 3.00	3.60 ≥ COP > 3.40
C	3.00 ≥ EER > 2.80	3.40 ≥ COP > 3.20
D	2.80 ≥ EER > 2.60	3.20 ≥ COP > 2.80
E	2.60 ≥ EER > 2.40	2.80 ≥ COP > 2.60
F	2.40 ≥ EER > 2.20	2.60 ≥ COP > 2.40
G	2.20 ≥ EER	2.40 ≥ COP

Gradual ranking regulation up to A+++ (2013 ~ 2019)

- **2013~: A, B, C, D, E, F, G**
- **2015~: A+, A, B, C, D, E, F**
- **2017~: A++, A+, A, B, C, D, E**
- **2019~: A+++, A++, A+, A, B, C, D**

* Enforcement on January 1, 2013 Air conditioners below 12 kW

	SEER (Cooling mode)	SCOP (Heating mode)
A+++	SEER ≥ 8.50	SCOP ≥ 5.10
A++	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A+	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER < 4.10	2.50 ≤ SCOP < 2.80
E	3.10 ≤ SEER < 3.60	2.20 ≤ SCOP < 2.50
F	2.60 ≤ SEER < 3.10	1.90 ≤ SCOP < 2.20
G	SEER < 2.60	SCOP < 1.90

Current Energy Labelling Points		New Energy Labelling Points
Rated efficiency • Full capacity • One point temperature condition EER COP	Annual efficient operation	**Seasonal efficiency** • Integrates part load capacity • Optimised for several rating temperatures SEER SCOP
Operating power consumption	Reduce total power consumption	**Total power consumption** • Operating power consumption • Standby power consumption • Crank case heater • Thermo off
Sound pressure level	Low noise products	**Sound power level** New criteria



Pursuit of Seasonal Efficiency

Over 90% of actual operation time, air conditioners are operated at partial capacity instead of rated capacity. We focused on high seasonal efficiency by all DC inverter control and high efficiency technology.

High Efficiency

Optimized Inverter Control

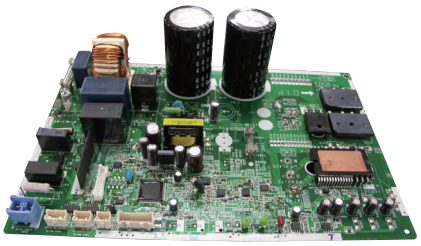
i-PAM (IPM*+PAM) inverter control

i-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform. This promotes the effective use of the input power supply to attain high performance.

IPM*: Intelligent Power Module

V-PAM (Vector + I-PAM) inverter control

V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturization, higher efficiency, and better performance are attained.



All DC Inverter Technology

DC twin rotary compressor

The high efficiency DC inverter type "2-cylinder rotary compressor" is used for our product ranges. It has achieved higher energy efficiency compared with similar compressors by optimizing the structure inside the compressor.

DC fan motor

DC fan motor produces high power, wide operation range, and high efficiency.

Sine-wave DC inverter control

High efficiency operation is realized by using a sine wave DC inverter control.



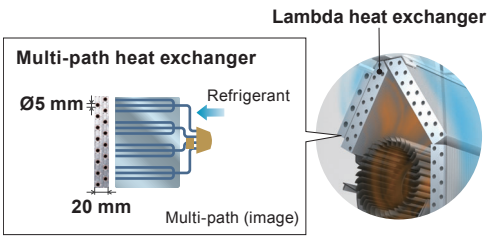
High Efficiency Heat Exchanger

High density multi-path heat exchanger

Heat exchange performance is substantially improved by thin and high-density heat exchanger and multi-path efficiency technology.

High performance sub-cool heat exchanger

Higher performance achieved by mounting of counter type bypass circuit. (Large multi type, VRF)



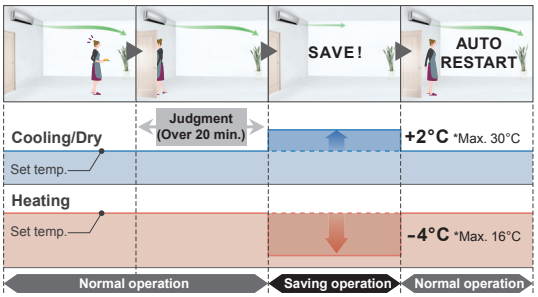

It’s Smart Operation

Energy Saving Control

Smart Operation

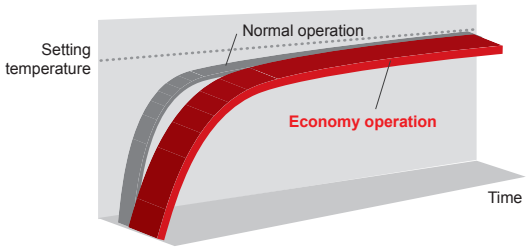
Human sensor control

Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



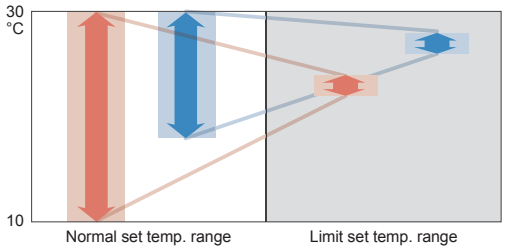
Economy operation

Limits the maximum operation current, and the power consumption is cut down and the maximum load is suppressed.



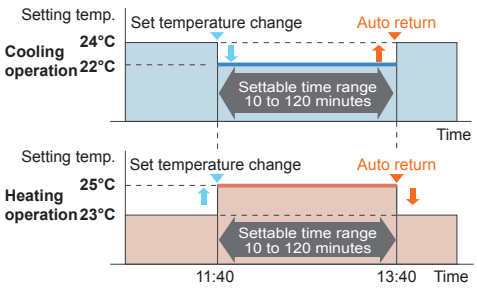
Room temperature set point limitation

The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



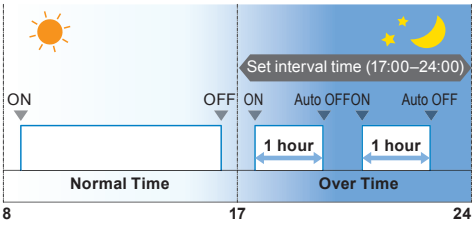
Set temperature auto return

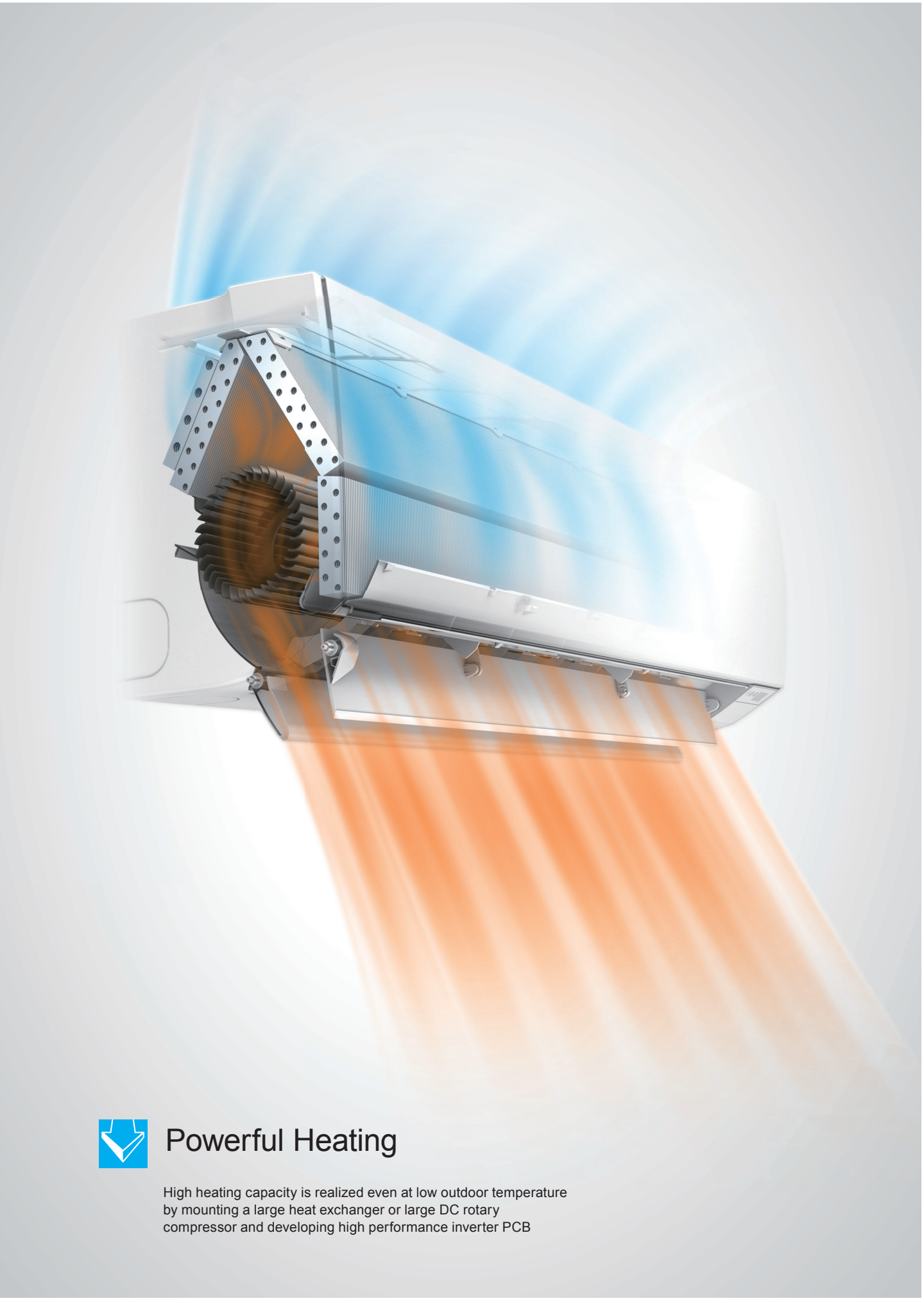
- The setting temperature automatically returns to the previous setting temperature.
- The time range in which the set temperature can be changed is 10 to 120 minutes.



Auto-off timer

- The indoor unit is turned off automatically when it reaches to the preset operating time frame.
- The time frame of the "Auto off timer" can be flexibly scheduled.
- Off time can be set from 30 to 240 minutes.





Powerful Heating

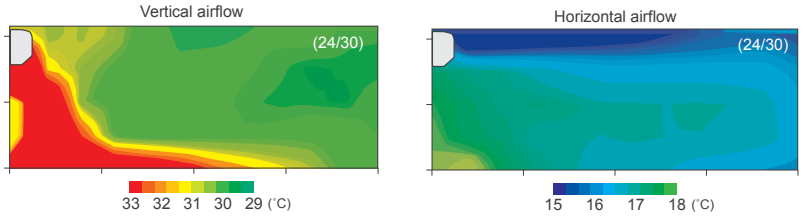
High heating capacity is realized even at low outdoor temperature by mounting a large heat exchanger or large DC rotary compressor and developing high performance inverter PCB

Comfort Performance

Quick Comfort

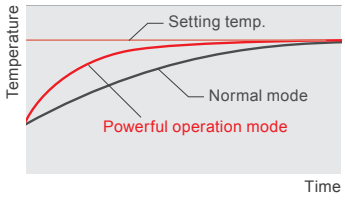
Power diffuser

Precision wind direction control is realized and ventilation efficiency is also improved by 3 technologies. Our airflow control makes your environment more comfortable.



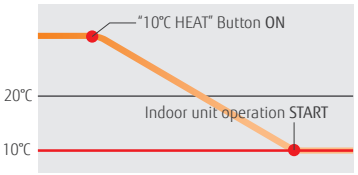
Powerful operation

Continuous operation by maximum airflow and maximum compressor speed after a certain period of time allows the temperature to reach the setting temp. quickly.



10°C Heat operation

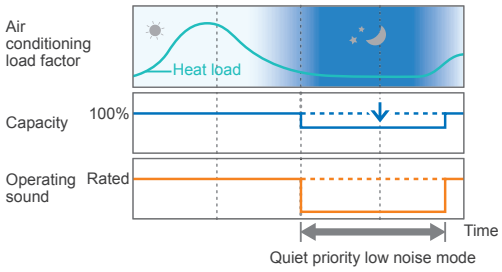
When you leave, minimum heating operation is performed to maintain the room temperature. (Maintained at 10°C)



Quiet and Comfort Control

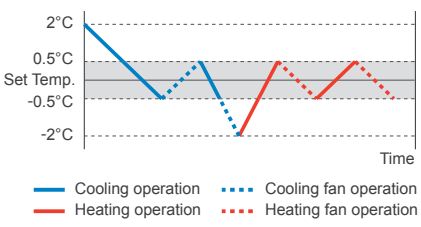
Outdoor unit low noise operation

Users can choose low noise levels, depending on the installation environment. The operation time can be set using the timer.



Auto-changeover function

At Auto setting, the cooling/heating mode is automatically switched according to the set temperature and room temperature.





Easy air conditioner control from inside or outside the house and office using the Smartphones, Tablets, and PC

It is the most advanced solution to remotely manage an Air Conditioning system using all sort of mobile devices such as Smartphones, Tablets, and PC.

Easy-to-use Control

Fuji Furukawa Engineering & Construction provides Various Easy-to-use Controllers

Fuji Furukawa Engineering & Construction is using ergonomics to expand the use of easy-to-use designs such as easy-to-read large LCD panels, easy-to-operate buttons, and displays with easily recognizable icons.

The individual controllers match the user operational environments, and the home controller makes batch energy saving management easy. Ease of use was pursued using simple operation buttons, a large LCD screen, and other features.

Residential use



Home central control



Central
Remote Controller

Simple individual control



Wired
Remote Controller



Simple
Remote Controller

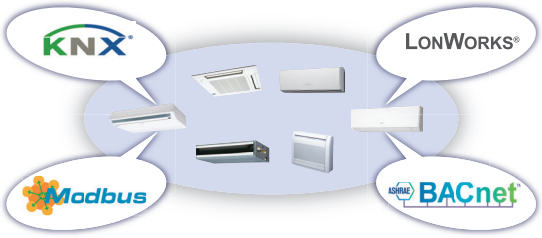


Slim Wireless
Remote Controller



Fuji Furukawa Engineering & Construction provides an interface that supports central management systems such as KNX®, MODBUS®, BACnet®, and LONWORKS®.

This allows customers to easily perform central control and monitoring of air conditioning equipment.





Energy Saving & Ecology

Deepening environmental, resources and global warming problems.
As a global enterprise, Fuji Furukawa Engineering & Construction recognizes that contributing to development of a sustainable economic society is today's most important management topic, and is engaged in a series of environmental protection activities reaching up to sales, maintenance, and recycling, and is aggressively making its products more energy saving.

MISSIONS 002
CORE TECHNOLOGY 006

SPLIT 016

ALL TYPE LINEUP 018
FEATURE EXPLANATION 020
WALL MOUNTED 022
FLOOR 034
FLOOR / CEILING 036
CEILING 038
COMPACT CASSETTE 040
CASSETTE 042
SLIM DUCT 046
MEDIUM STATIC PRESSURE DUCT 048
HIGH STATIC PRESSURE DUCT 050

MULTI SPLIT 056

2-8 ROOMS MULTI TYPE LINEUP 058
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8 ROOMS MULTI 062
SPECIFICATIONS OF ALL INDOOR UNITS ... 066
SIMULTANEOUS MULTI TWIN / TRIPLE 068
MULTI COMBINATION TABLE 070

OPTIONAL PARTS 080
for SPLIT & MULTI SPLIT



SPLIT



Energy saving design to provide a comfortable indoor environment while being environment-friendly.

An air conditioner that is people-friendly is also environment-friendly. Fuji Furukawa Engineering & Construction offers a broad lineup of products from large living rooms to bedrooms and children's rooms. We make your room more comfortable with a wide range of air conditioner types from ceiling wall type with automatic filters and cleaning functions to wall mounted type that improve the air cleaning function. Of course these models feature highly efficient operation that conserves electricity.

9 types
64 models

018 All Type Lineup

020 Feature Explanation

022 Wall Mounted

034 Floor

036 Floor/Ceiling

038 Ceiling

040 Compact Cassette

042 Cassette

046 Slim Duct

048 Medium Static Pressure Duct

052 High Static Pressure Duct

All Type Lineup

Type	Series	BTU 4	7	9	12	14
Wall Mounted Page 22 ~	High Spec & Design Series			 RSG09LTCA	 RSG12LTCA	
	High COP Series		 RSG07LUCA	 RSG09LUCA	 RSG12LUCA	 RSG14LUCA
	Standard Series		 RSG07LMCA	 RSG09LMCA	 RSG12LMCA	 RSG14LMCA
	NEW Standard Series					
	Standard Series					
	Basic Series		 RSG07LLCC	 RSG09LLCC	 RSG12LLCC	
Floor Compact & Comfort Page 34				 RGG09LVCA	 RGG12LVCA	 RGG14LVCA
Floor/Ceiling Comfort & Dual Design Page 36						
Ceiling Comfort for Large Room Page 38						
Compact Cassette Page 40	4-way Flow Series Compact & Comfort				 RCG12LVLB	 RCG14LVLB
Cassette Page 42 ~	4-way Flow Series Comfort for Large Room					
	NEW Circular Flow Series Comfort for large room					
Slim Duct Slim & Comfort Page 46					 RDG12LLTB	 RDG14LLTB
Medium Static Pressure Duct High Efficiency & Comfort Page 48						
NEW Medium Static Pressure Duct Compact & Comfort Page 50					 RDG12LHTBP	 RDG14LHTBP
High Static Pressure Duct Page 52 ~						

BTU								
18	24	30	36	45	54	60	72	90
		RSG30LMTA	RSG36LMTA					
RSG18LFCA	RSG24LFCC	RSG30LFCA						
RYG18LVTB	RYG24LVTA							
		RYG30LRTE	RYG36LRTE RYG36LRTA	RYG45LRTA	RYG54LRTA			
RCG18LVLB	RCG24LVLA							
		RCG30LRLE	RCG36LRLE RCG36LRLA	RCG45LRLA	RCG54LRLA			
RCG18LRLB	RCG24LRLB	RCG30LRLB	RCG36LRLB	RCG45LRLB	RCG54LRLB			
RDG18LLTB								
	RDG24LMLA	RDG30LMLE	RDG36LMLE RDG36LMLA	RDG45LMLA				
RDG18LHTBP	RDG24LHTBP	RDG30LHTBP	RDG36LHTBP	RDG45LHTBP	RDG54LHTBP			
				RDG45LHTA	RDG54LHTA	RDG60LHTA		
							RDC72LHTA	RDC90LHTA

Feature Explanation

Energy Saving Function



Save human sensor
Human sensor detects the movement of people in the room and judges whether the energy saving operation.



Save & Stop human sensor
Human sensor detects the movement of people in the room and judges whether the energy saving or stop operation.



Economy mode
Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.



Room temperature set point limitation
The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



Set temperature auto return
The setting temperature automatically returns to the previously set temperature.

Comfortable Function



Powerful heating
Keeping the rated heating capacity even when the outdoor ambient temperature is -7°C.



Power diffuser
An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.



Server room operation
Interlock operation is possible by connecting 2 indoor units even in the low temperature.



Powerful mode
Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.



10°C HEAT operation
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.



Low noise mode
Sound noise level of outdoor unit can be selected.



Auto-changeover
The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.



Up/down swing flaps
The up/down flaps automatically swing up and down.



Double swing automatic
Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.



Automatic fan speed
The micro-computer automatically adjusts the airflow effectively to follow the changes of room temperature.



Auto restart
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once power supply is restored.



Connectable fresh air duct
Outside air can be introduced by attaching field supplied duct to fresh air knockout and optional part.



Fresh air intake
Fresh air can be taken in by a fan which can be connected using external control unit.



Connectable distributing duct
Systems are capable of attaching field-supplied branch ducts distributing the airflow.



Individual airflow direction control
Each louver of 4-way Cassette type can be controlled individually and provides comfortable airflow.

Convenient Function



Auto off timer
Automatically stops operation when a fixed time has elapsed from the start of operation.



Sleep timer
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.



Program timer
This digital timer allows selection of one of four options:
ON, OFF, ON » OFF or OFF « ON.



Weekly timer
Different ON-OFF times can be set for each day.



Weekly + setback timer
Weekly + Setback timer can set temperature for two times spans and for each day of the week.



Filter sign
Indicates the filter cleaning period by lamp.



External error output



External ON/OFF input

Clean Function



Ion deodorization filter
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.



Apple-catechin filter
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.



Washable panel
Since the front panel is easy to remove, maintenance is also easy.

Installation



Automatic airflow adjustment
Automatically detects required airflow in each application case and adjust the volume.



Drain pump as standard



Blue fin



All DC models



i-PAM control models
i-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform.



V-PAM control models
V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology.

Feature Summary

		Wall Mounted				Floor	Floor/Ceiling	Compact Cassette			Slim Duct		Medium Static Pressure Duct			High Static Pressure Duct		
		RSG09/12LTCA	RSG07/09/12/14LUCA	RSG07/09/12/14LMCA	RSG30/36LMTA	RSG07/09/12LLCC, RSG18/30LFCA, RSG24LFCC	RGG09/12/14LVCA, RYG18LVTB, RYG24LVTA	RYG30/36LRTE, RYG36/45/54LRTA	RCG12/14/18LVLB, RCG24LVLA	RCG18/24/30/36/45/54LRLB	RCG30/36LRLE, RCG36/45/54LRLA	RDG12/14/18LLTB	RDG24/36/45LMLA, RDG30/36LMLE	RDG12/14/18/24/30/36/45/54LHTBP	RDG45/54/60LHTA	RDC72/90LHTA	
Energy Saving Function	Save human sensor	●				●												
	Save & Stop human sensor										○							
	Economy mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Room temperature set point limitation	○	○	○	○		○	○	○	○	○	●	○	○	○	●	○	○
	Set temperature auto return	○	○	○	○		○	○	○	○	○	●	○	○	○	●	○	○
Comfortable Function	Powerful heating	●																
	Power diffuser			●			●											
	Powerful mode	●	●	●	●	●												
	Server room operation				●													
	10°C HEAT operation	●	●	●	●		●	●	●	●	●	○	○	○	○	○	○ (60)	
	Low Noise mode	●	●	●	●					○ (45/54) (36LRTA)		○ (45/54)			○ (45) (36LMLA)	○ (45/54)	○	○
	Auto-changeover	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Up/down swing flaps	●	●	●		●		●			●	●	●	○				
	Double swing automatic				●		●		●	●								
	Automatic fan speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Auto restart	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Connectable fresh air duct									●	○	●	●		●	●		
	Fresh air intake									○	○	○	○	○	○	○	○	○
	Connectable distributing duct											●	●		●			
	Individual airflow direction control											●						
Convenient Function	Auto off timer	○	○	○	○		○	○	○	○	○	●	○	○	○	●	○	○
	Sleep timer	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○ (60)	○
	Program timer	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○ (60)	○
	Weekly timer	●	●		●							●				●		
	Weekly + setback timer	○	○	○	○		○	○	○	○	○		●	●	●		●	●
	External error output	○	○	○	○		○					○				○	○	○
	External ON/OFF input	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○
	Filter sign	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Clean Function	Ion deodorization filter	●	●	●	●		●	●										
	Apple-catechin filter	●	●	●	●		●	●										
	Washable panel			●	●	●	●	●										
Installation	Automatic airflow adjustment															●		
	Drain pump as standard													●		●		
	Blue fin				●		● (30)			● (45)		● (30/36/45/54)	● (45/54)			● (30/36/45/54)	●	●

○ : Optional function

Wall Mounted High Spec & Design



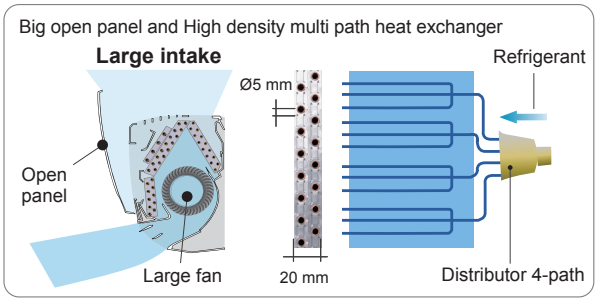
Features

Thin & Slim design

Thin and slim design is realized by high density multi-path heat exchanger and high efficiency wind blower.

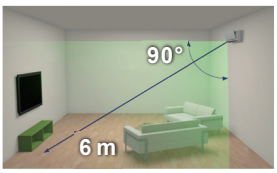


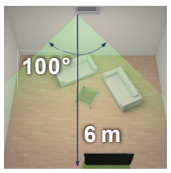
H282 X W870 X D185 — 185 mm



Human sensor

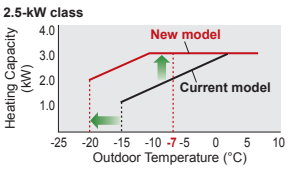
Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to previous operating mode.

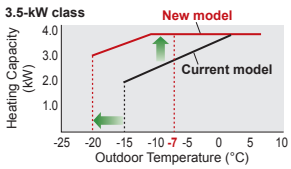




Powerful heating

Rated heating capacity is maintained up to an outdoor temperature lower than -7 °C. This new model can operate even at -20 °C low outdoor temperature.





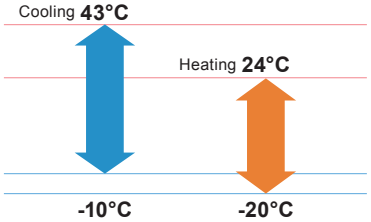
3 Mode timer (Weekly/Program/Sleep)

Weekly timer can be easily set by wireless remote controller. ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week. For other modes, program timer and sleep timer can be also selected by one push.



Low ambient operation

-20°C
at Heating



Model: RSG09LTCA / RSG12LTCA



Wireless R.C.





For RSG09LTCA



For RSG12LTCA

Specifications

Model No.	Indoor unit			RSG09LTCA	RSG12LTCA
	Outdoor unit			ROG09LTC	ROG12LTC
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	2.5 (0.9-3.5)	3.5 (1.1-4.0)
	Heating			3.2 (0.9-5.4)	4.0 (0.9-6.5)
Input Power	Cooling/Heating		kW	0.505/0.660	0.850/0.910
EER	Cooling		W/W	4.95	4.12
COP	Heating			4.85	4.40
Pdesign	Cooling/Heating(-10°C)		kW	2.5/3.0	3.5/4.0
SEER	Cooling		W/W	8.50	8.50
SCOP	Heating (Average)			4.60	4.60
Energy Efficiency Class	Cooling			A+++	A+++
	Heating (Average)			A++	A++
Max. Operating Current	Cooling/Heating		A	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		kWh/a	103	144
	Heating			912	1217
Moisture Removal			l/h	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	42/36/32/21	43/37/32/21
	Indoor (Heating)	H/M/L/Q		42/37/32/21	43/38/32/21
	Outdoor(Cooling/Heating)	High		48/50	48/49
Sound Power Level	Indoor(Cooling/Heating)	High		59/61	60/62
	Outdoor(Cooling/Heating)	High		63/65	64/65
Airflow Rate	Indoor / Outdoor	High	m^3/h	800/1,700	850/2,050
Net Dimensions H x W x D	Indoor		mm	282×870×185	282×870×185
Weight			kg(lbs)	9.5 (21)	9.5 (21)
	Outdoor		mm	540×790×290	620×790×290
			kg(lbs)	33 (73)	40 (88)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)
Max Height Difference				15	15
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43
	Heating			-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		g	1,050	1,200

Optional parts

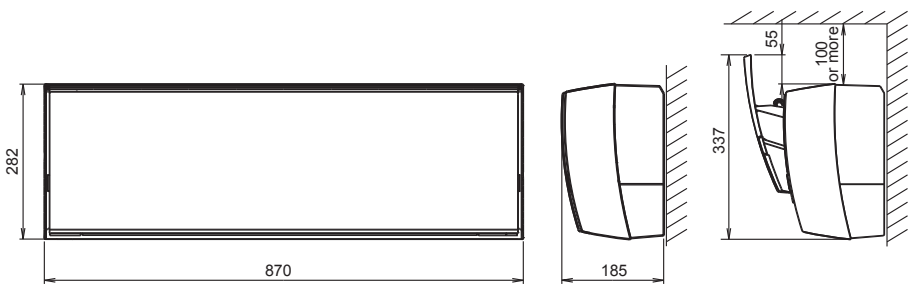
Wired Remote Controller: UTY-RNNXM / UTY-RVNXM

Simple Remote Controller: UTY-RSNXM

Communication kit: UTY-TWBXF

Dimensions

(Unit : mm)



Wall Mounted High COP

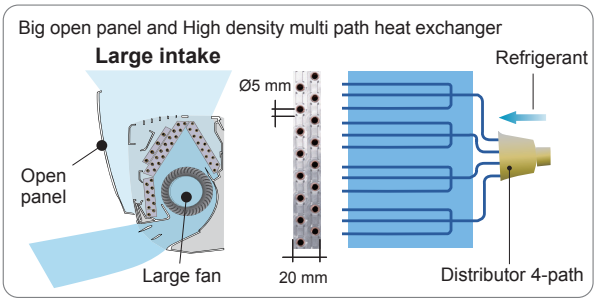


Features

Thin & Slim design

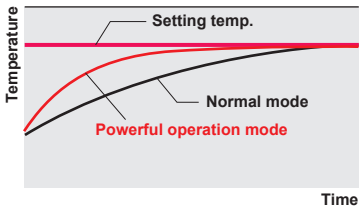
Thin and slim design is realized by Ø5-mm heat exchanger and high efficiency wind blower.





Powerful operation

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



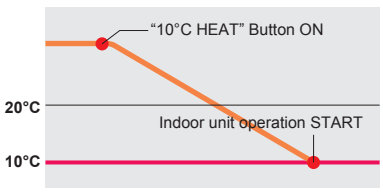
3 Mode timer (Weekly/Program/Sleep)

Weekly timer can be easily set by wireless remote controller. ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week. For other modes, program timer and sleep timer can be also selected by one push.



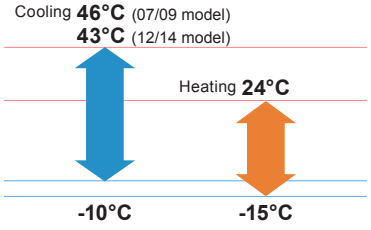
10°C HEAT Operation

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied. *Only available with Wireless RC.



Low ambient operation

-15°C
at Heating



Model: RSG07LUCA / RSG09LUCA / RSG12LUCA / RSG14LUCA



Wireless R.C.





For RSG07/09LUCA



For RSG12/14LUCA

Specifications

Model No.	Indoor unit			RSG07LUCA	RSG09LUCA	RSG12LUCA	RSG14LUCA
	Outdoor unit			ROG07LUCA	ROG09LUCB	ROG12LUC	ROG14LUC
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating			3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		kW	0.460/0.660	0.555/0.680	0.905/0.930	1.235/1.380
EER	Cooling		W/W	4.35	4.50	3.87	3.40
COP	Heating			4.55	4.71	4.30	3.91
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.6	2.5/2.8	3.5/3.9	4.2/4.8
SEER	Cooling		W/W	7.20	7.10	7.05	6.78
SCOP	Heating (Average)			4.10	4.10	4.00	4.00
Energy Efficiency Class	Cooling			A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		kWh/a	97	123	174	217
	Heating			887	956	1363	1677
Moisture Removal			l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
	Indoor (Heating)	H/M/L/Q		38/35/31/21	42/37/32/21	43/38/32/21	45/40/34/27
	Outdoor(Cooling/Heating)	High		46/46	48/48	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		57/59	59/61	60/62	60/64
	Outdoor(Cooling/Heating)	High		58/58	60/60	65/65	65/65
Airflow Rate	Indoor / Outdoor	High	m^3/h	680/1,720	800/1,720	850/1,940	900/1,940
Net Dimensions H x W x D	Indoor		mm	282×870×185	282×870×185	282×870×185	282×870×185
Weight			kg(lbs)	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
	Outdoor		mm	540×660×290	540×660×290	540×790×290	540×790×290
			kg(lbs)	23 (51)	25 (55)	33 (73)	34 (75)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15	15
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 43	-10 to 43
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	700	850	1,050	1,050

Optional parts

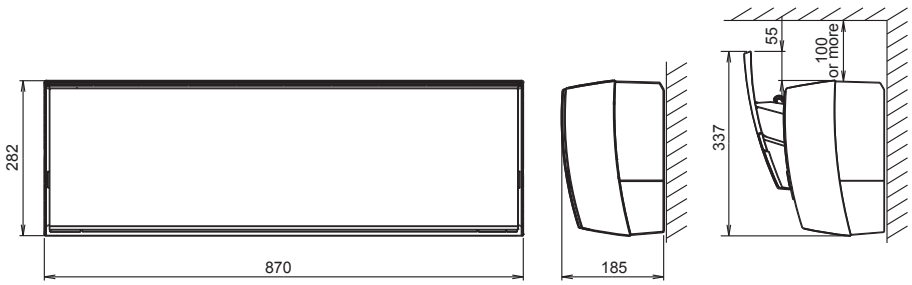
Wired Remote Controller: UTY-RNNXM, UTY-RVNXM

Simple Remote Controller: UTY-RSNXM

Communication kit: UTY-TWBXF

Dimensions

(Unit : mm)



Wall Mounted Standard



Features

High efficient compact design

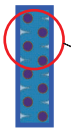
High density heat exchanger



Making the tube thin:

7 mm→ 5 mm

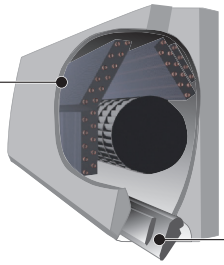
Increase of heat exchanger volume by high density and adopting sub heat exchanger



Even temperature

↓

Improved heat exchanger effectiveness

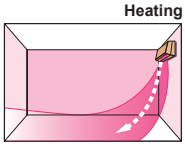


More comfort airflow

Power diffuser

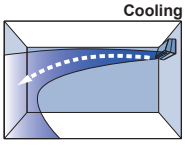
Vertical airflow provides powerful floor level heating.

Heating



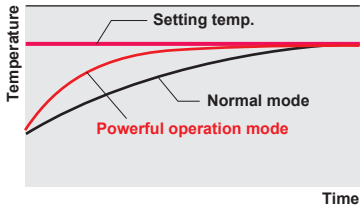
Horizontal airflow dose not blow cool air directly at occupants in the room.

Cooling



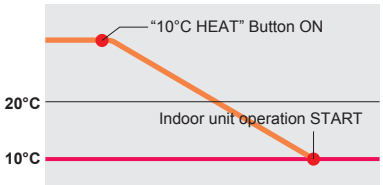
Powerful operation

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



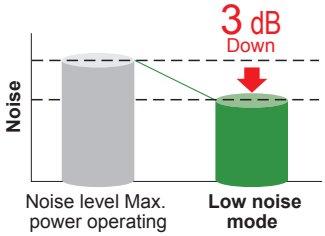
10°C HEAT Operation

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied



Low noise mode for outdoor unit

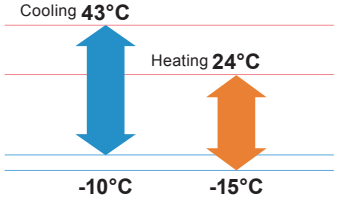
Low noise mode of outdoor unit can be selected by wireless remote controller.



Low ambient operation

-15°C

at Heating



Model: RSG07LMCA / RSG09LMCA / RSG12LMCA / RSG14LMCA



Wireless R.C.





For RSG07/09/12LMCA



For RSG14LMCA

Specifications

Model No.	Indoor unit			RSG07LMCA	RSG09LMCA	RSG12LMCA	RSG14LMCA
	Outdoor unit			ROG07LMCA	ROG09LMCA	ROG12LMCA	ROG14LMCA
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.4 (0.9-3.9)	4.0 (0.9-4.4)
	Heating			3.0 (0.5-3.4)	3.2 (0.5-4.0)	4.0 (0.9-5.3)	5.0 (0.9-6.0)
Input Power	Cooling/Heating		kW	0.465/0.685	0.65/0.73	0.97/1.02	1.135/1.365
EER	Cooling		W/W	4.30	3.85	3.50	3.52
COP	Heating			4.38	4.38	3.92	3.66
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.3	2.5/2.4	3.4/3.5	4.0/3.9
SEER	Cooling		W/W	6.80	7.00	7.00	6.90
SCOP	Heating (Average)			4.10	4.10	4.00	4.00
Energy Efficiency Class	Cooling			A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		kWh/a	103	125	170	203
	Heating			786	820	1225	1365
Moisture Removal			l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/40/32/21	43/40/32/21	43/40/32/21	44/40/33/25
	Indoor (Heating)	H/M/L/Q		43/38/33/22	43/38/33/22	43/38/33/22	44/40/35/27
	Outdoor(Cooling/Heating)	High		45/45	45/45	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		59/59	59/59	59/59	60/60
	Outdoor(Cooling/Heating)	High		58/56	58/56	61/61	65/65
Airflow Rate	Indoor / Outdoor	High	m^3/h	750/1670	750/1670	750/1830	750/1800
Net Dimensions H x W x D	Indoor		mm	268×840×203	268×840×203	268×840×203	268×840×203
Weight			kg(lbs)	8.5 (19)	8.5 (19)	8.5 (19)	8.5 (19)
Net Dimensions H x W x D	Outdoor		mm	535×663×293	535×663×293	535×663×293	540×790×290
Weight			kg(lbs)	21 (46)	21 (46)	26 (57)	34 (75)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15	15
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	700	700	850	1,050

Optional parts

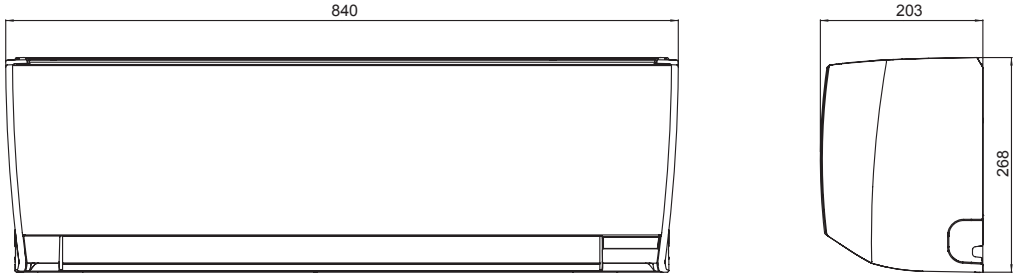
Wired Remote Controller: UTY-RNNXM, UTY-RVNXM

Simple Remote Controller: UTY-RSNXM

Communication kit: UTY-XCBXZ2

Dimensions

(Unit : mm)



NEW Wall Mounted Standard

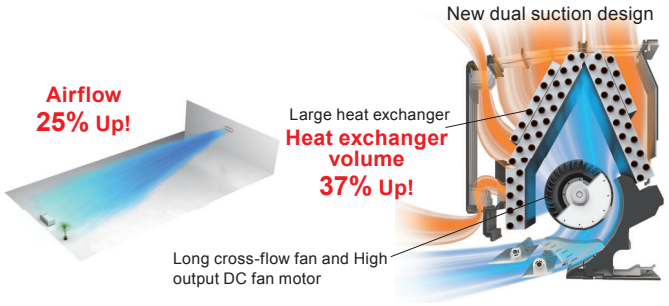


ALL DC | V PAM | SAVE | ECONOMY | POWERFUL | SERVER | 10°C HEAT | Auto Restart | SLEEP | PROGRAM | WEEKLY | FILTER | AF | BLUE FIN

Features

Large Capacity & Powerful airflow

Achieved large capacity and powerful airflow by large heat exchanger, long cross-flow fan, high output DC fan motor and new airflow structure design.



Human sensor

Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to previous operating mode.



Server room function*

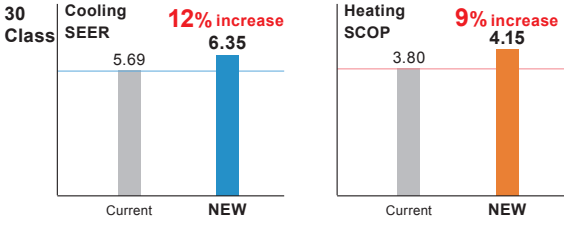
The following interlock operation is possible by connecting 2 indoor units with a cable. Cooling operation can be performed even in the low outdoor temperature and low humidity environment.



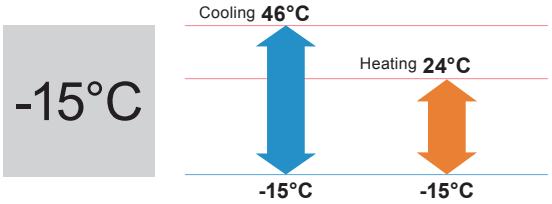
- **Alternative operation:** Two units operate alternately
- **Backup operation:** When 1 unit breaks down, the other unit starts operating automatically.
- **Supporting operation:** Both units operate simultaneously when the loaded capacity is not enough with one unit

*2 x UTY-XWNX of optional parts are required.

High seasonal energy efficiency



Low ambient operation



Model: RSG30LMTA / RSG36LMTA



Wireless R.C.





Specifications

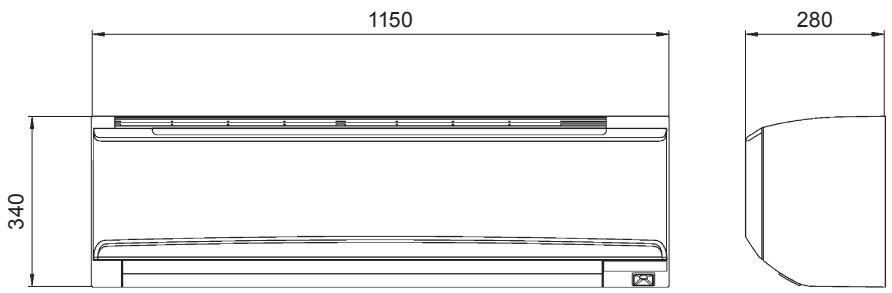
Model No.	Indoor unit			RSG30LMTA	RSG36LMTA
	Outdoor unit			ROG30LMTA	ROG36LMTA
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	8.0 (2.9-9.0)	9.4 (2.9-10.0)
	Heating			8.8 (2.2-11.0)	10.1 (2.7-11.2)
Input Power	Cooling/Heating		kW	2.33/2.41	3.16/2.96
EER	Cooling		W/W	3.43	2.97
COP	Heating			3.65	3.41
Pdesign	Cooling/Heating(-10°C)		kW	8.0/6.5	9.4/7.1
SEER	Cooling		W/W	6.35	5.73
SCOP	Heating (Average)			4.15	4.19
Energy Efficiency Class	Cooling			A++	A+
	Heating (Average)			A+	A+
Max. Operating Current	Cooling/Heating		A	14.5/14.5	19.0/19.0
Annual Energy Consumption	Cooling		kWh/a	441	575
	Heating			2,193	2,373
Moisture Removal			l/h	2.7	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	50/44/38/31	50/44/38/31
	Indoor (Heating)	H/M/L/Q		49/44/39/33	49/44/39/33
	Outdoor(Cooling/Heating)	High		52/55	55/56
Sound Power Level	Indoor(Cooling/Heating)	High		65/65	65/65
	Outdoor(Cooling/Heating)	High		67/68	68/70
Airflow Rate	Indoor / Outdoor	High	m^3/h	1380/3600	1380/3800
Net Dimensions H x W x D Weight	Indoor		mm	340×1150×280	340×1150×280
			kg(lbs)	18 (40)	18 (40)
	Outdoor		mm	830×900×330	830×900×330
			kg(lbs)	61 (134)	61 (134)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				13.8 / 15.8 to 16.7	13.8 / 15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)
Max Height Difference				30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		g	2,100	2,100

Optional parts

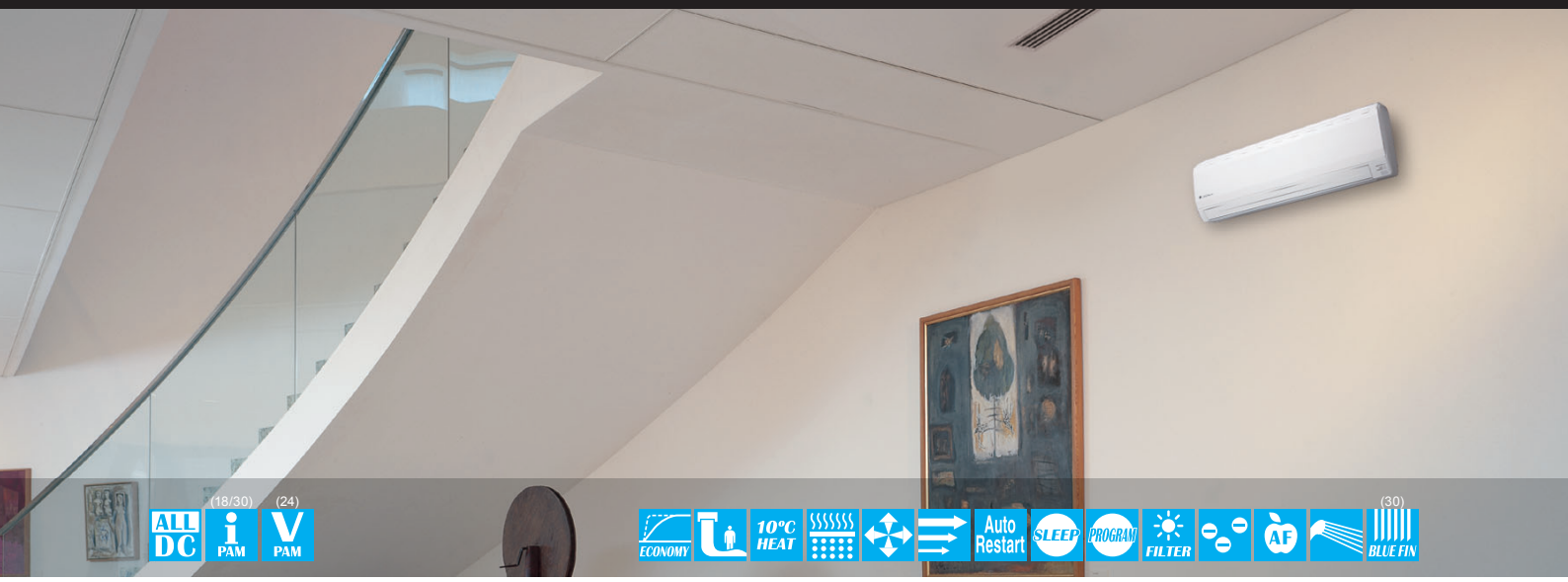
Wired Remote Controller (Touch panel (two-wire)): UTY-RNRXZ1 + UTY-TWRX
Wired Remote Controller (High grade (three-wire)): UTY-RVNXM + UTY-XWNX
Wired Remote Controller(three-wire): UTY-RNNXM + UTY-XWNX
Simple Remote Controller (three-wire): UTY-RSNXM + UTY-XWNX
External input and output PCB (with box): UTY-XCSXZ1 + UTZ-GXXB
External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)

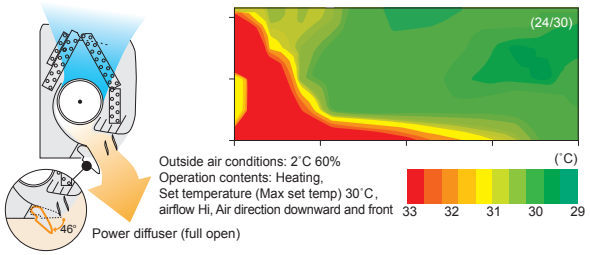


Wall Mounted Standard

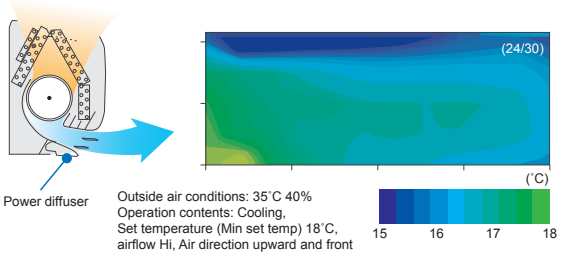


Features

“Vertical airflow” provides powerful floor level heating



“Horizontal airflow” does not blow cool air directly at the occupants in the room



Air conditioner filter features

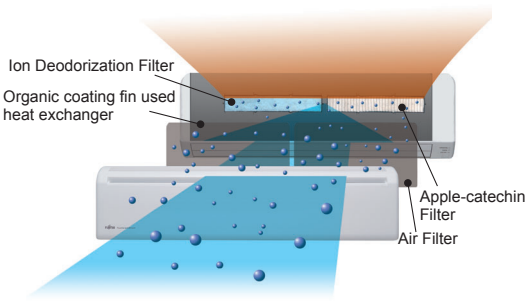
Ion Deodorization Filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

Using different filters at both sides

Apple-catechin Filter

The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.

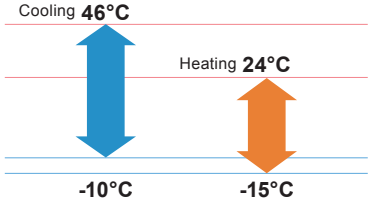


Flexible Installation

	18 type	24 type	30 type
Max. Piping Length	**25 m**	**30 m**	**50 m**
Max. Height	**20 m**	**20 m**	**30 m**

Low ambient operation

-15°C
at Heating



Model: RSG18LFCA / RSG24LFCC / RSG30LFCA



Wireless R.C.





For RSG18LFCA, RSG24LFCC



For RSG30LFCA

Specifications

Model No.	Indoor unit			RSG18LFCA	RSG24LFCC	RSG30LFCA
	Outdoor unit			ROG18LFC	ROG24LFCC	ROG30LFT
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	5.2 (0.9-6.0)	7.1 (0.9-8.0)	8.0 (2.9-9.0)
	Heating			6.3 (0.9-9.1)	8.0 (0.9-10.6)	8.8 (2.2-11.0)
Input Power	Cooling/Heating		kW	1.52/1.71	2.20/2.21	2.49/2.44
EER	Cooling		W/W	3.42	3.23	3.21
COP	Heating			3.68	3.61	3.61
Pdesign	Cooling/Heating(-10°C)		kW	5.2/5.9	7.1/7.1	8.0/8.0
SEER	Cooling		W/W	6.94	6.11	5.69
SCOP	Heating (Average)			3.87	3.80	3.80
Energy Efficiency Class	Cooling			A++	A++	A+
	Heating (Average)			A	A	A
Max. Operating Current	Cooling/Heating		A	9.0/12.5	13.5/18.5	17.0/19.0
Annual Energy Consumption	Cooling		kWh/a	262	406	492
	Heating			2130	2610	2941
Moisture Removal			l/h	2.6	2.7	3.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/37/33/26	49/42/37/32	48/42/37/33
	Indoor (Heating)	H/M/L/Q		42/37/33/25	48/42/37/32	49/42/37/33
	Outdoor(Cooling/Heating)	High		50/51	55/56	53/56
Sound Power Level	Indoor(Cooling/Heating)	High		58/58	64/64	64/64
	Outdoor(Cooling/Heating)	High		65/-	68/-	68/-
Airflow Rate	Indoor / Outdoor	High	m^3/h	900/2150	1120/2460	1100/3600
Net Dimensions H x W x D	Indoor		mm	320×998×238	320×998×238	320×998×238
Weight			kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor		mm	620×790×290	620×790×290	830×900×330
			kg(lbs)	41 (90)	41 (90)	61 (135)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.7	6.35/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				12/16	12/16	12/16
Max Pipe Length (Pre-Charge)			m	25 (15)	30 (15)	50 (20)
Max Height Difference				20	20	30
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	1,200	1,800	2,100

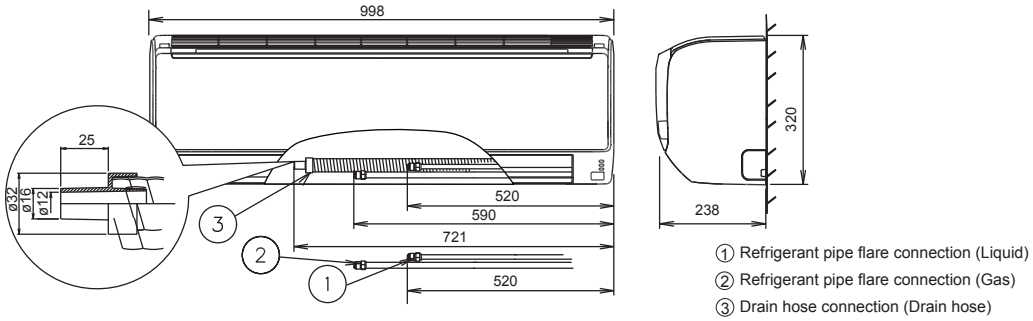
Optional parts

Wired Remote Controller: UTY-RNNXM, UTY-RVNXM

Simple Remote Controller: UTY-RSNXM

Dimensions

(Unit : mm)



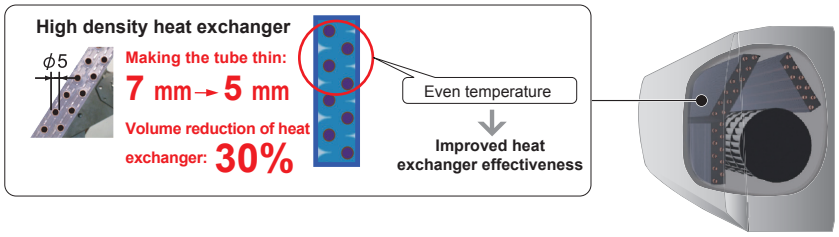
① Refrigerant pipe flare connection (Liquid)
② Refrigerant pipe flare connection (Gas)
③ Drain hose connection (Drain hose)

Wall Mounted Basic



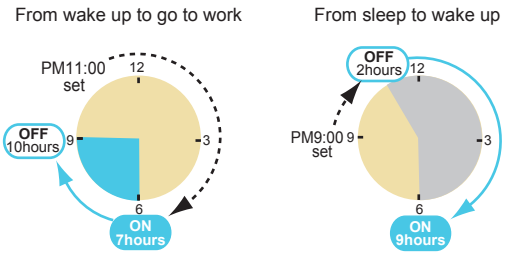
Features

High efficient compact design



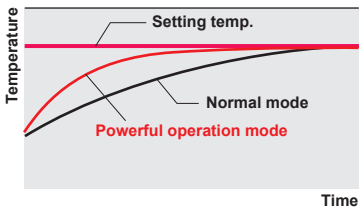
ON-OFF Programmable timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)



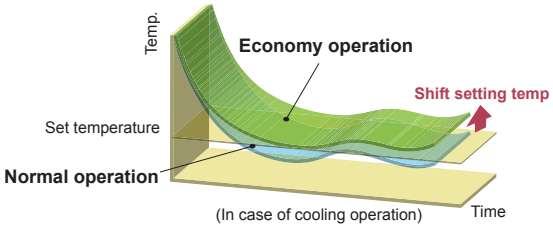
Powerful operation

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



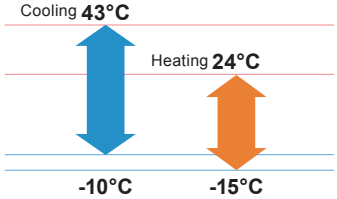
Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation

-15°C
at Heating



Model: RSG07LLCC / RSG09LLCC / RSG12LLCC



Wireless R.C.





Specifications

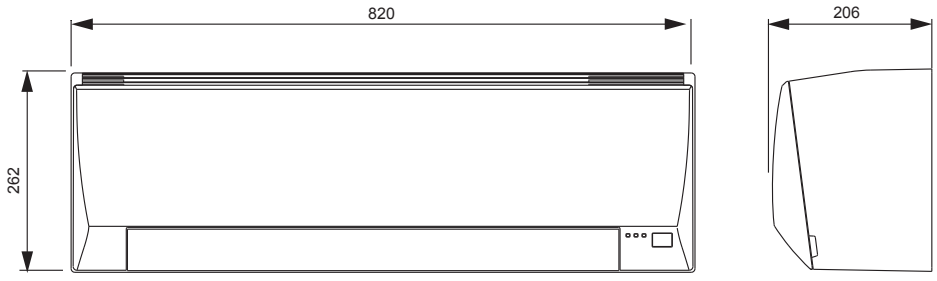
Model No.	Indoor unit			RSG07LLCC	RSG09LLCC	RSG12LLCC
	Outdoor unit			ROG07LLCC	ROG09LLCC	ROG12LLCC
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	2.0 (0.9-2.8)	2.5 (0.9-3.0)	3.4 (0.9-3.8)
	Heating			2.7 (0.9-3.6)	3.0 (0.9-3.8)	4.0 (0.9-5.0)
Input Power	Cooling/Heating		kW	0.470/0.620	0.730/0.740	1.080/1.130
EER	Cooling		W/W	4.26	3.42	3.15
COP	Heating			4.35	4.05	3.54
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.2	2.5/2.3	3.4/3.2
SEER	Cooling		W/W	6.70	6.90	6.60
SCOP	Heating (Average)			4.00	4.00	3.80
Energy Efficiency Class	Cooling			A++	A++	A++
	Heating (Average)			A+	A+	A
Max. Operating Current	Cooling/Heating		A	6.0/7.5	6.0/7.5	6.5/9.0
Annual Energy Consumption	Cooling		kWh/a	104	127	180
	Heating			770	805	1,179
Moisture Removal			l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/38/33/22	43/38/33/22	43/38/33/22
	Indoor (Heating)	H/M/L/Q		43/38/33/22	43/38/33/22	43/38/33/22
	Outdoor(Cooling/Heating)	High		47/48	47/48	50/51
Sound Power Level	Indoor(Cooling/Heating)	High		59/60	59/60	59/60
	Outdoor(Cooling/Heating)	High		61/61	61/61	65/65
Airflow Rate	Indoor / Outdoor	High	m^3/h	720/1,670	720/1,670	720/1,830
Net Dimensions H x W x D	Indoor		mm	262×820×206	262×820×206	262×820×206
Weight			kg(lbs)	7.0 (15)	7.0 (15)	7.0 (15)
	Outdoor		mm	535×663×293	535×663×293	535×663×293
			kg(lbs)	24 (53)	24 (53)	26 (57)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	650	650	850

Optional parts

Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



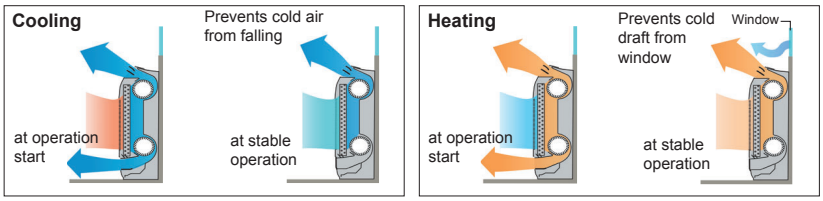
Floor Compact & Comfort



Features

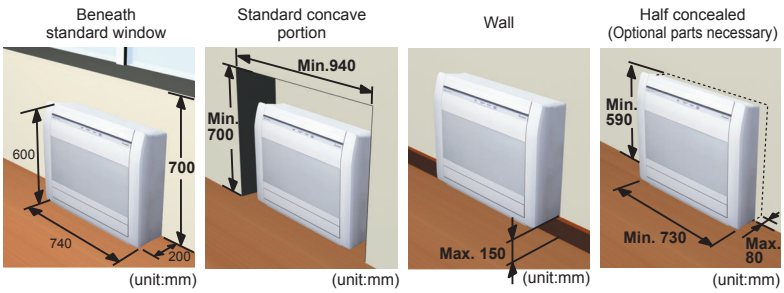
2-Fan & Wide airflow

Individual vertical airflow by 2-fan can control the whole room comfortably.



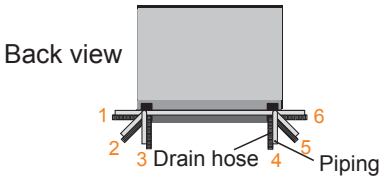
Flexible & easy installation

Due to compact and whole surface suction method model, floor, concealed, half concealed, or wall mounted installation can be available to match the room layout.



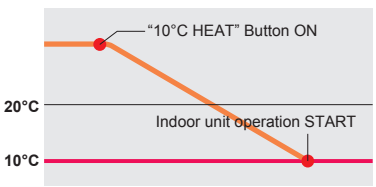
Flexible piping connection 6 direction of drain & piping

Drain horse and piping can be drawn flexibly in the right, left, side, and down directions



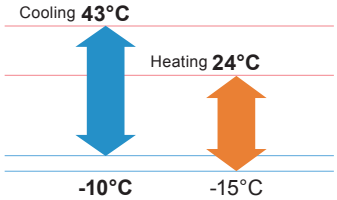
10°C HEAT Operation

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied



Low ambient operation

-15°C
at Heating



Model: RGG09LVCA / RGG12LVCA / RGG14LVCA



Wireless R.C.





For RGG09/12LVCA



For RGG14LVCA

Specifications

Model No.	Indoor unit			RGG09LVCA	RGG12LVCA	RGG14LVCA
	Outdoor unit			ROG09LVCA	ROG12LVCA	ROG14LVLA
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	2.6 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating			3.5 (0.9-5.5)	4.5 (0.9-6.6)	5.2 (0.9-8.0)
Input Power	Cooling/Heating		kW	0.53/0.79	0.94/1.19	1.14/1.44
EER	Cooling		W/W	4.91	3.72	3.68
COP	Heating			4.43	3.78	3.61
Pdesign	Cooling/Heating(-10°C)		kW	2.6/2.9	3.5/3.8	4.2/4.7
SEER	Cooling		W/W	7.00	6.50	6.40
SCOP	Heating (Average)			4.20	4.00	4.00
Energy Efficiency Class	Cooling			A++	A++	A++
	Heating (Average)			A+	A+	A+
Max. Operating Current	Cooling/Heating		A	7.0/10.0	7.0/10.0	9.0/13.5
Annual Energy Consumption	Cooling		kWh/a	130	188	230
	Heating			967	1330	1645
Moisture Removal			l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q		40/35/29/22	40/35/29/22	43/37/29/22
	Outdoor(Cooling/Heating)	High		47/48	48/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		55/56	55/56	58/58
	Outdoor(Cooling/Heating)	High		64/65	64/65	65/66
Airflow Rate	Indoor / Outdoor	High	m^3/h	570/1680	570/1680	650/1910
Net Dimensions H x W x D	Indoor		mm	600×740×200	600×740×200	600×740×200
Weight			kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor		mm	540×790×290	540×790×290	578×790×300
			kg(lbs)	36 (79)	36 (79)	40 (88)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	1,050	1,050	1,150

Optional parts

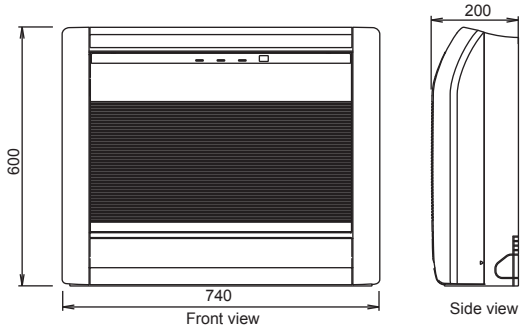
Wired Remote Controller: UTY-RNNXM, UTY-RVNXM

Simple Remote Controller: UTY-RSNXM

Half Concealed Kit: UTR-STA

Dimensions

(Unit : mm)



Floor/Ceiling Comfort & Dual Design



Features

Flexible installation

Example for floor installation

Floor console



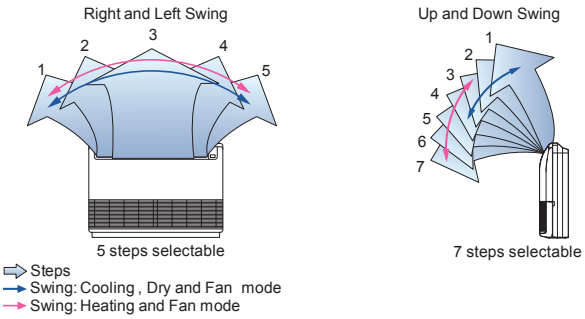
Example for ceiling installation

Under ceiling



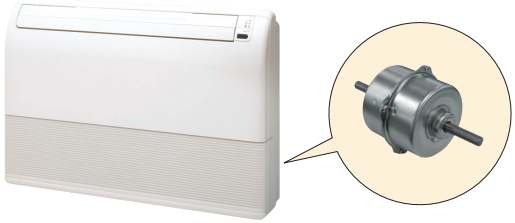
Double auto swing

A combination of right/left and up/down directional swing allows 3-dimensional air direction control



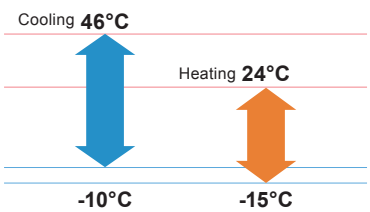
High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation

-15°C
at Heating



Model : RYG18LVTB / RYG24LVTA



Wireless R.C.





For RYG18LVTB



For RYG24LVTA

Specifications

Model No.	Indoor unit			RYG18LVTB	RYG24LVTA
	Outdoor unit			ROG18LALL	ROG24LALA
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating			6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating		kW	1.62/1.66	2.21/2.26
EER	Cooling		W/W	3.21	3.08
COP	Heating			3.61	3.54
Pdesign	Cooling/Heating(-10°C)		kW	5.2/5.2	6.8/6.0
SEER	Cooling		W/W	6.10	5.60
SCOP	Heating (Average)			4.00	3.90
Energy Efficiency Class	Cooling			A++	A+
	Heating (Average)			A+	A
Max. Operating Current	Cooling/Heating		A	9.0/12.5	12.0/13.5
Annual Energy Consumption	Cooling		kWh/a	298	425
	Heating			1819	2150
Moisture Removal			l/h	2.0	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/40/34/31	48/44/40/35
	Indoor (Heating)	H/M/L/Q		43/40/34/31	48/44/40/35
	Outdoor(Cooling/Heating)	High		50/50	52/53
Sound Power Level	Indoor(Cooling/Heating)	High		57/57	61/61
	Outdoor(Cooling/Heating)	High		62/65	67/70
Airflow Rate	Indoor / Outdoor	High	m^3/h	780/2000	980/2470
Net Dimensions H x W x D Weight	Indoor		mm	199×990×655	199×990×655
			kg(lbs)	27 (59)	27 (59)
	Outdoor		mm	578×790×300	578×790×315
			kg(lbs)	40 (88)	44 (97)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	30 (15)
Max Height Difference				15	20
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		g	1,250	1,700

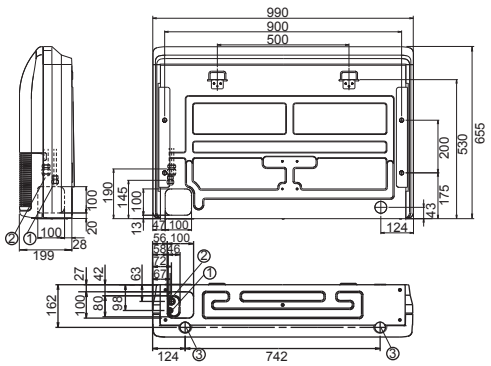
Optional parts

Wired Remote Controller: UTY-RNNXM, UTY-RVNXM

Simple Remote Controller: UTY-RSNXM

Dimensions

(Unit : mm)



① Refrigerant piping flare connection (Liquid)
② Refrigerant piping flare connection (Gas)
③ Drain piping connection

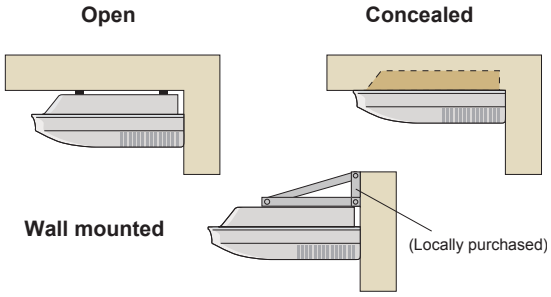
Ceiling Comfort for Large Room



Features

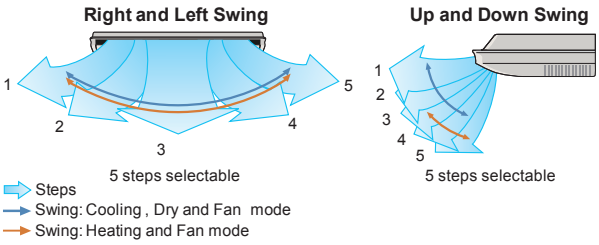
Flexible installation

Various installations are possible to match the room layout.

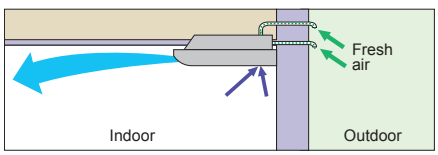


Multi auto swing

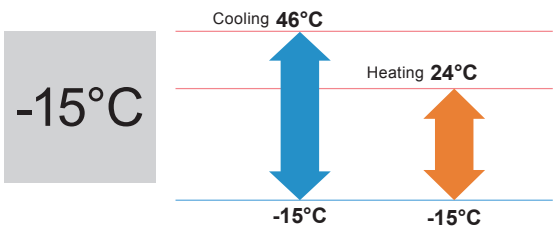
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Low ambient operation



Model : RYG30LRTE / RYG36LRTE / RYG45LRTA / RYG36LRTA [3phase] / RYG45LRTA [3phase] / RYG54LRTA [3phase]



Wireless R.C.





For RYG30/36LRTE



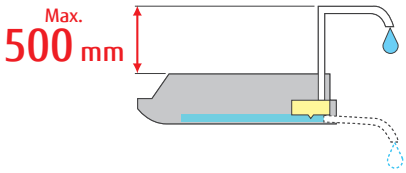
For RYG36/45/54LRTA

Specifications

Model No.	Indoor unit			RYG30LRTE	RYG36LRTE	RYG45LRTA	RYG36LRTA	RYG45LRTA	RYG54LRTA
	Outdoor unit			ROG30LETL	ROG36LETL	ROG45LETL	ROG36LATT	ROG45LATT	ROG54LATT
Power Source				Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Capacity	Cooling		kW	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating			10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating		kW	2.65/2.77	2.93/3.02	3.77/3.68	2.84/2.87	3.89/3.88	4.65/4.67
EER	Cooling		W/W	3.21	3.21	3.21	3.52	3.21	3.01
COP	Heating			3.61	3.71	3.61	3.90	3.61	3.43
Pdesign	Cooling/Heating(-10°C)		kW	8.5/8.0	9.4/8.7	-	10.0/10.0	-	-
SEER	Cooling		W/W	6.10	6.00	-	6.10	-	-
SCOP	Heating			4.20	4.10	-	4.10	-	-
Energy Efficiency Class	Cooling			A++	A+	-	A++	-	-
	Heating			A+	A+	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	17.0/17.0	18.5/20.0	20.5/20.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling		kWh/a	487	548	-	573	-	-
	Heating			2662	2965	-	3414	-	-
Moisture Removal			l/h	2.5	3.0	4.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/43/37/32	47/43/37/32	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Indoor (Heating)	H/M/L/Q		45/43/37/32	47/43/37/32	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Outdoor(Cooling/Heating)	High		53/55	54/55	55/55	51/53	54/54	55/56
Sound Power Level	Indoor(Cooling/Heating)	High		57/60	60/61	-	61/61	-	-
	Outdoor(Cooling/Heating)	High		68/69	69/70	-	67/69	-	-
Airflow Rate	Indoor / Outdoor	High	m^3/h	1660/3600	1900/3800	2100/6200	1900/6200	2100/6900	2300/6900
Net Dimensions H x W x D Weight	Indoor		mm	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700
			kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	48 (106)
	Outdoor		mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
			kg(lbs)	61 (134)	61 (134)	86 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)				22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference				30	30	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	2,100	2,100	3,350	3,450	3,450	3,450

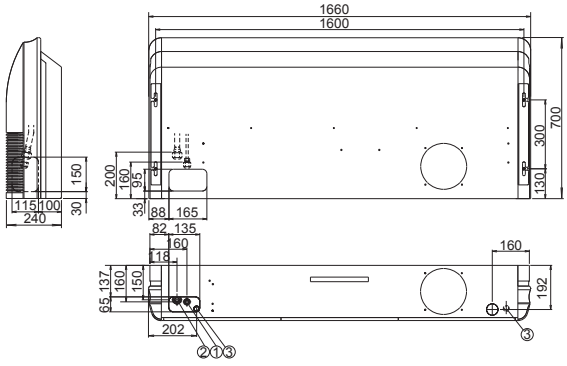
Optional parts

Wired Remote Controller: UTY-RNNXM, UTY-RVNXM
Simple Remote Controller: UTY-RSNXM
Drain Pump Unit: UTR-DPB24T
Flange: UTD-RF204



Dimensions

(Unit : mm)



① Refrigerant piping flare connection (Liquid)
② Refrigerant piping flare connection (Gas)
③ Drain piping connection

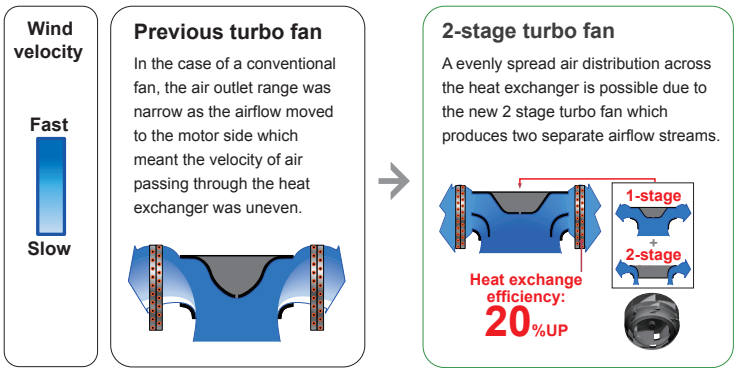
Compact Cassette 4-way Flow Compact & Comfort



Features

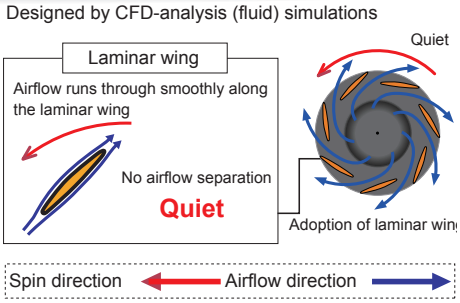
2-stage turbo fan

High efficiency design by 2 stage structure



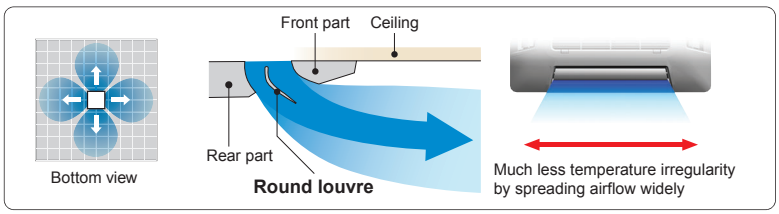
Quiet quality

Optimization of wing form (laminar wing type) and wing number (7 blades each)

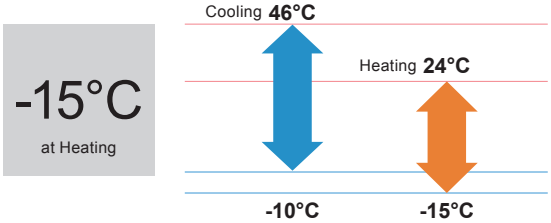


Improvement of the airflow distribution

New louvre: The louvre design distributes air leaving a space between the chassis and the ceiling allowing far and wide airflow distribution.



Low ambient operation



Model : RCG12LVLB / RCG14LVLB / RCG18LVLB / RCG24LVLA



Wireless R.C.





For RCG12/14/18LVLB



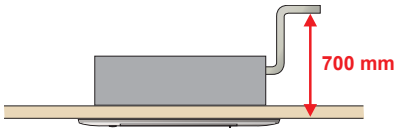
For RCG24LVLA

Specifications

Model No.	Indoor unit			RCG12LVLB	RCG14LVLB	RCG18LVLB	RCG24LVLA
	Outdoor unit			ROG12LALL	ROG14LALL	ROG18LALL	ROG24LALA
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating		kW	1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
EER	Cooling		W/W	3.33	3.21	3.21	3.08
COP	Heating			3.69	3.71	3.61	3.54
Pdesign	Cooling/Heating(-10°C)		kW	3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
SEER	Cooling		W/W	6.20	6.40	6.20	5.60
SCOP	Heating (Average)			4.10	4.40	4.20	3.90
Energy Efficiency Class	Cooling			A++	A++	A++	A+
	Heating (Average)			A+	A+	A+	A
Max. Operating Current	Cooling/Heating		A	7.5/10.0	9.0/12.5	9.0/12.5	12.0/13.5
Annual Energy Consumption	Cooling		kWh/a	198	235	293	425
	Heating			1431	1432	1731	2151
Moisture Removal			l/h	1.2	1.5	2.2	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
	Indoor (Heating)	H/M/L/Q		37/34/31/29	43/38/34/30	43/38/34/30	49/45/40/33
	Outdoor(Cooling/Heating)	High		47/48	49/49	50/50	52/53
Sound Power Level	Indoor(Cooling/Heating)	High		49/49	50/55	50/55	59/61
	Outdoor(Cooling/Heating)	High		61/63	62/64	62/65	67/70
Airflow Rate	Indoor / Outdoor	High	m^3/h	600/1780	680/1910	680/2000	930/2470
Net Dimensions H x W x D	Indoor		mm	245×570×570	245×570×570	245×570×570	245×570×5700
Weight			kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
	Outdoor		mm	578×790×300	578×790×300	578×790×300	578×790×315
			kg(lbs)	40 (88)	40 (88)	40 (88)	44 (97)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	25 (15)	30 (15)
Max Height Difference				15	15	15	20
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	1,150	1,250	1,250	1,700
Cassette Grille	Model name			CG-UFFD	CG-UFFD	CG-UFFD	CG-UFFD
	Dimensions (H × W × D)		mm	49×700×700	49×700×700	49×700×700	49×700×700
	Weight		kg(lbs)	2.6 (6)	2.6 (6)	2.6 (6)	2.6 (6)

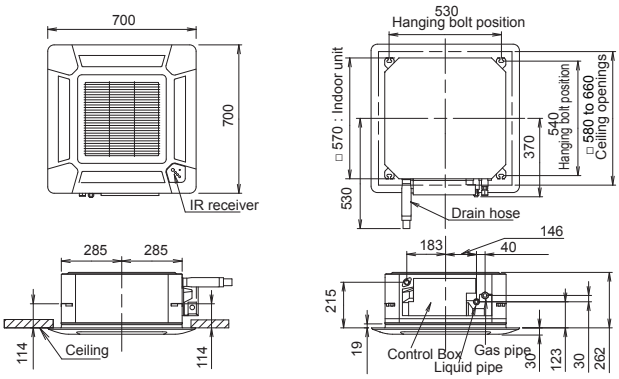
Optional parts

Air Outlet Shutter Plate: UTR-YDZB
Wired Remote Controller: UTY-RNNXM, UTY-RVNXM
Simple Remote Controller: UTY-RSNXM
Insulation Kit For High Humidity: UTZ-KXGC
Fresh Air Intake Kit: UTZ-VXAA



Dimensions

(Unit : mm)



Cassette 4-way Flow Comfort for large room

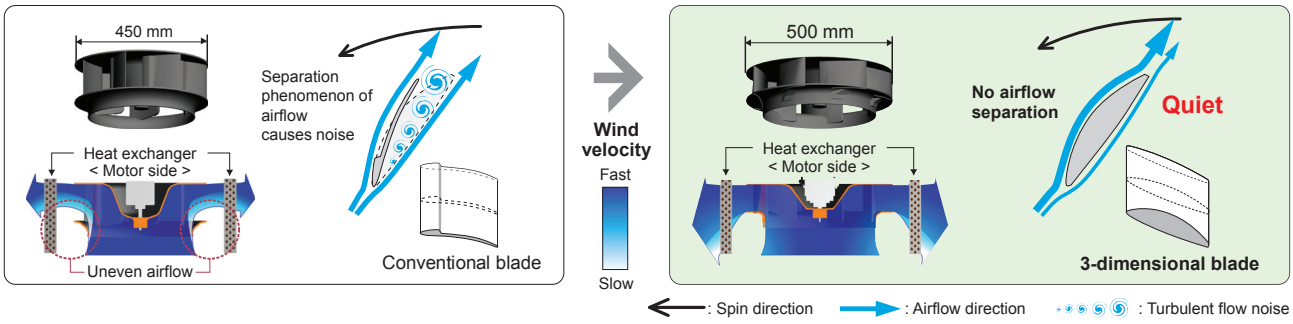


Features

High efficiency turbo fan with 3-dimensional blade

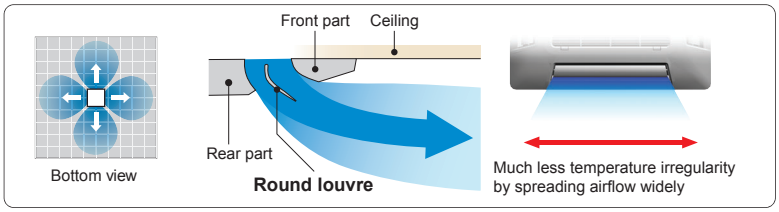
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

New turbo fan: High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.



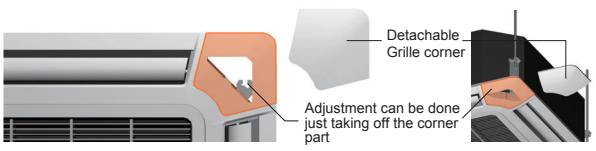
Improvement of the airflow distribution

New louvre: The louvre design distributes air leaving a space between the chassis and the ceiling allowing far and wide airflow distribution.

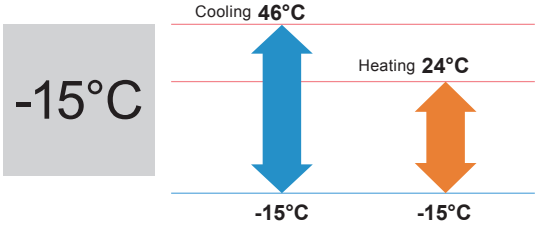


Adjustment of hanger position is possible after installation

Hanging bracket can be checked directly by removing the corner cover. Hanging position can be arranged easily.



Low ambient operation



Model : RCG30LRLE / RCG36LRLE / RCG45LRLA / RCG54LRLA / RCG36LRLA [3phase] / RCG45LRLA [3phase] / RCG54LRLA [3phase]



Wired R.C.





For RCG30/36LRLE



For RCG36/45/54LRLA

Specifications

Model No.	Indoor unit			RCG30LRLE	RCG36LRLE	RCG45LRLA	RCG54LRLA	RCG36LRLA	RCG45LRLA	RCG54LRLA
	Outdoor unit			ROG30LETL	ROG36LETL	ROG45LETL	ROG54LETL	ROG36LATT	ROG45LATT	ROG54LATT
Power Source				Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz		
Capacity	Cooling		kW	8.5 (2.8-10.0)	10.0 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating			10.0 (2.7-11.2)	11.2 (2.7-12.7)	14.0 (4.2-16.2)	16.0 (4.7-16.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating		kW	2.65/2.77	3.12/3.02	3.88/3.77	4.42/4.69	2.44/2.56	3.54/3.58	4.36/4.43
EER	Cooling		W/W	3.21	3.21	3.22	3.01	4.10	3.53	3.21
COP	Heating			3.61	3.71	3.71	3.41	4.38	3.91	3.61
Pdesign	Cooling/Heating(-10°C)		kW	8.5/8.0	10.0/8.7	-	-	10.0/10.0	-	-
SEER	Cooling		W/W	6.50	6.30	-	-	6.50	-	-
SCOP	Heating (Average)			4.30	4.20	-	-	4.30	-	-
Energy Efficiency Class	Cooling			A++	A++	-	-	A++	-	-
	Heating (Average)			A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	17.0/17.0	18.5/20.0	20.5/20.5	21.5/21.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling		kWh/a	458	555	-	-	538	-	-
	Heating			2604	2897	-	-	3253	-	-
Moisture Removal			l/h	2.5	3.5	4.5	5.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	40/38/36/32	43/38/36/32	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
	Indoor (Heating)	H/M/L/Q		40/38/36/32	43/38/36/32	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
	Outdoor(Cooling/Heating)	High		53/55	54/55	55/55	55/57	51/53	54/54	55/56
Sound Power Level	Indoor(Cooling/Heating)	High		54/54	57/57	-	-	58/58	-	-
	Outdoor(Cooling/Heating)	High		68/69	69/70	-	-	67/69	-	-
Airflow Rate	Indoor / Outdoor	High	m^3/h	1600/3600	1800/3800	1900/6750	2000/6750	1800/6200	1900/6750	2000/6900
Net Dimensions H x W x D	Indoor		mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
Weight			kg(lbs)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)
	Outdoor		mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
			kg(lbs)	61 (135)	61 (135)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference				30	30	30	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	2,100	2,100	3,350	3,350	3,450	3,450	3,450
Cassette Grille	Model name			CG-GFA	CG-GFA	CG-GFA	CG-GFA	CG-GFA	CG-GFA	CG-GFA
	Dimensions (H × W × D)		mm	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950
	Weight		kg(lbs)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)

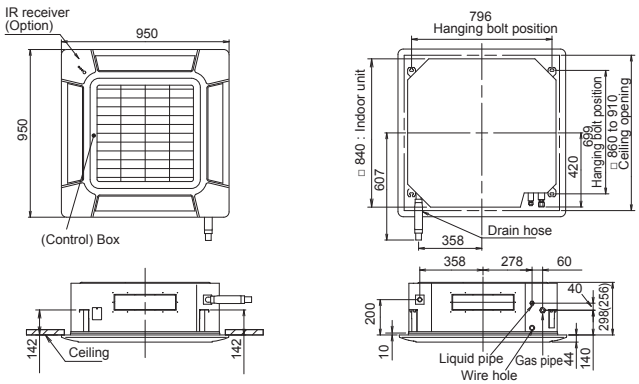
Optional parts

Wired Remote Controller:	UTY-RNNXM, UTY-RVNXM	Panel Spacer:	UTG-BKXA-W
Simple Remote Controller:	UTY-RSNXM	Air Outlet Shutter Plate:	UTR-YDZK
IR Receiver Kit:	UTY-LRHFA2	Insulation Kit For High Humidity:	UTZ-KXRA
Wide Panel:	UTG-AKXA-W	Fresh Air Intake Kit:	UTZ-VXRA



Dimensions

(Unit : mm)



NEW

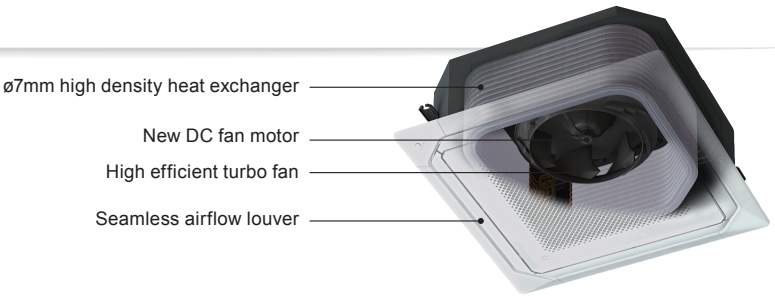
Cassette Circular Flow Comfort for large room



Features

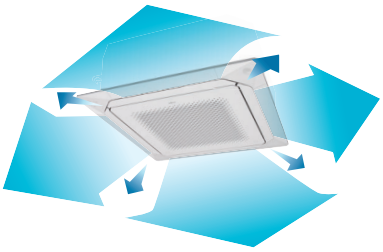
Unique Circular Flow design

New Cassette type realizes Circular Flow to blow large airflow in 360° direction by mounting high performance DC fan motor, new turbo fan and unique seamless airflow louver design.



Uniform temperature air conditioning

Achieve a comfortable air conditioning spread to every corner of the room by circular flow & wide vertical airflow.





Individual louver control

Each louver can be set individually by Touch Panel Wired Remote Controller to enjoy the comfort of different directional airflows according to various room layouts.
*Touch Panel Wired RC (UTY-RNRXZ1)only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Efficient air conditioning based on the room layout

Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.



Human sensor (Option)

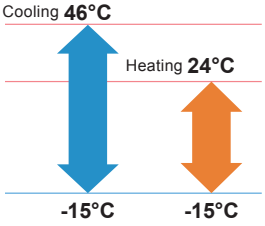
2 modes can be selected.

Auto saving	Power is saved while people are away.
Auto OFF	Operation stops after people go out.

*Touch Panel Wired RC (UTY-RNRXZ1) only

Low ambient operation

-15°C



Model: RCG18LRLB / RCG24LRLB
RCG30LRLB / RCG36LRLB / RCG45LRLB / RCG54LRLB



Touch Panel Wired R.C.







For RCG18/24LRLB



For RCG30/36LRLB



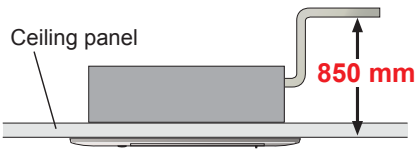
For RCG45/54LRLB

Specifications

Model No.	Indoor unit			RCG18LRLB	RCG24LRLB	RCG30LRLB	RCG36LRLB	RCG45LRLB	RCG54LRLB
	Outdoor unit			ROG18LBCA	ROG24LBCA	ROG30LBTA	ROG36LBTA	ROG45LBTA	ROG54LBTA
Power Source				Single-phase, ~230V, 50Hz					
Capacity	Cooling		kW	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)
	Heating			6.0 (0.9-8.0)	7.8 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	14.0 (4.2-16.2)	15.8 (4.7-16.5)
Input Power	Cooling/Heating		kW	1.42/1.50	2.16/2.18	2.56/2.77	2.96/2.91	3.85/3.73	4.38/4.58
EER	Cooling		W/W	3.66	3.15	3.32	3.21	3.25	3.04
COP	Heating			4.00	3.58	3.61	3.71	3.75	3.45
Pdesign	Cooling/Heating(-10°C)		kW	5.2/4.3	6.8/6.0	8.5/8.0	9.5/8.7	-	-
SEER	Cooling		W/W	7.05	6.60	6.70	6.40	-	-
SCOP	Heating (Average)			4.40	4.20	4.30	4.30	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	-	-
	Heating (Average)			A+	A+	A+	A+	-	-
Max. Operating Current	Cooling/Heating		A	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	20.5/20.5	21.5/21.5
Annual Energy Consumption	Cooling		kWh/a	258	361	444	519	-	-
	Heating			1367	1999	2604	2833	-	-
Moisture Removal			l/h	2.2	2.7	2.5	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q		33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
	Outdoor(Cooling/Heating)	High		51/50	55/56	53/55	54/55	55/55	55/57
Sound Power Level	Indoor(Cooling/Heating)	High		47/47	49/49	54/54	58/58	60/60	61/61
	Outdoor(Cooling/Heating)	High		64/62	68/68	67/69	68/70	68/68	69/71
Airflow Rate	Indoor / Outdoor	High	m^3/h	1050/1900	1150/2460	1600/3600	1900/3800	2000/6750	2100/6750
Net Dimensions H x W x D	Indoor		mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840
Weight			kg(lbs)	24 (53)	24 (53)	26 (57)	26 (57)	29 (64)	29 (64)
	Outdoor		mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
			kg(lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.7	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Height Difference				20	20	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	1,800	1,800	2,100	2,100	3,350	3,350
Cassette Grille	Model name			CG-KFA	CG-KFA	CG-KFA	CG-KFA	CG-KFA	CG-KFA
	Dimensions (H × W × D)		mm	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950
	Weight		kg(lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

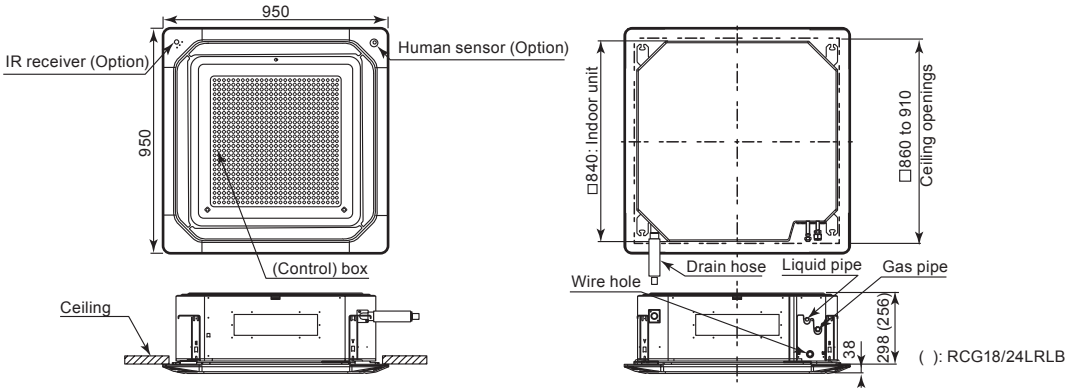
Optional parts

Wired Remote Controller:	UTY-RNRXZ1, UTY-RVNXM	Air Outlet Shutter Plate:	UTR-YDZK
Simple Remote Controller:	UTY-RSNXM	Insulation Kit For High Humidity:	UTZ-KXRA
IR Receiver Kit:	UTY-LBTXC	Flesh Air Intake Kit:	UTZ-VXRA
Human Sensor Kit:	UTY-SHZXC	External input and output PCB (with box):	UTY-XCSX + UTZ-GXRA
Wide Panel:	UTG-AKXA-W	External connect kit:	UTY-XWZXZG,
Panel Spacer:	UTG-BKXA-W		UTY-XWZXZ3



Dimensions

(Unit : mm)



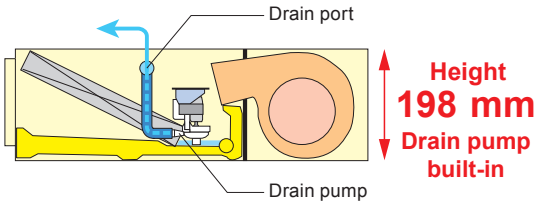
Slim Duct Slim & Comfort



Features

Slim design

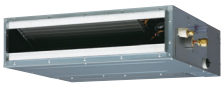
The slim design allows installations where ceilings are narrow.
Drain hose as standard accessory



Flexible installation

2-type installation methods of ceiling concealed and floor concealed can be selected.

Ceiling concealed



Floor concealed



Selectable with a wide range of static pressure

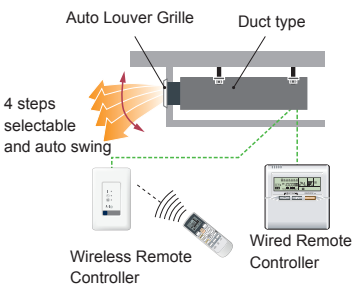
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa.
The change of static pressure range is possible by remote controller.



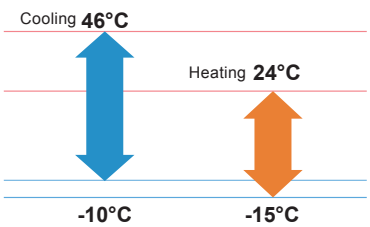
Static pressure range
0 to 90 Pa

Auto Louver Grille Kit (Option)

Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.



-15°C
at Heating



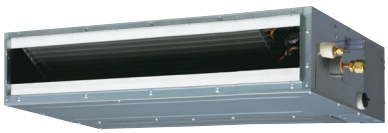
Model : RDG12LLTB / RDG14LLTB / RDG18LLTB



Wired R.C.



RDG12/14LLTB



RDG18LLTB

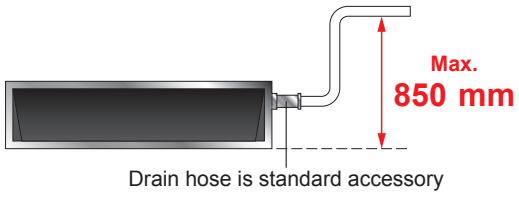


Specifications

Model No.	Indoor unit			RDG12LLTB	RDG14LLTB	RDG18LLTB
	Outdoor unit			ROG12LALL	ROG14LALL	ROG18LALL
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating		kW	1.05/1.11	1.33/1.34	1.62/1.66
EER	Cooling		W/W	3.33	3.21	3.21
COP	Heating			3.69	3.71	3.61
Pdesign	Cooling/Heating(-10°C)		kW	3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling		W/W	5.90	5.80	6.20
SCOP	Heating			4.00	3.90	4.10
Energy Efficiency Class	Cooling			A+	A+	A++
	Heating			A+	A	A+
Max. Operating Current	Cooling/Heating		A	7.5/10.0	9.0/12.5	9.0/12.5
Annual Energy Consumption	Cooling		kWh/a	207	259	293
	Heating			1467	1614	1774
Moisture Removal			l/h	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q		29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor(Cooling/Heating)	High		47/48	49/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		58/58	60/60	58/58
	Outdoor(Cooling/Heating)	High		61/63	62/64	62/65
Airflow Rate	Indoor / Outdoor	High	m^3/h	650/1780	800/1910	940/2000
Static pressure range (Standard)			Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor		mm	198×700×620	198×700×620	198×900×620
Weight			kg(lbs)	19 (42)	19 (42)	23 (51)
	Outdoor		mm	578×790×300	578×790×300	578×790×300
			kg(lbs)	40 (88)	40 (88)	40 (88)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	25 (15)
Max Height Difference				15	15	15
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	1,150	1,250	1,250

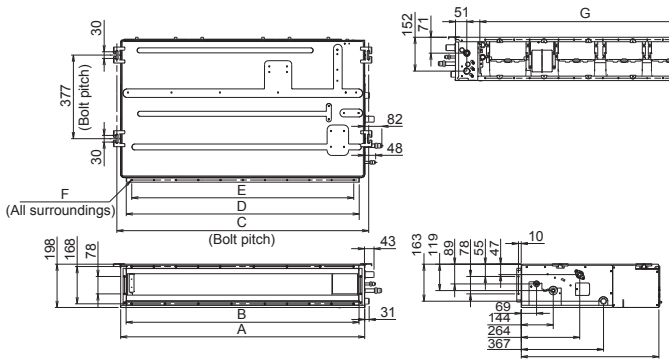
Optional parts

Wired Remote Controller:	UTY-RNNXM, UTY-RVNXM
Simple Remote Controller:	UTY-RSNXM
IR Receiver Kit:	UTY-LRHXM
Remote Sensor Unit:	UTY-XSZX
Auto Louver Grille Kit:	UTD-GXTA-W (For RDG12 / 14LLTB)
	UTD-GXTB-W (For RDG18LLTB)



Dimensions

(Unit : mm)



	RDG12 / 14LLTB	RDG18LLTB
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	18xØ5	22xØ5
G	574	774

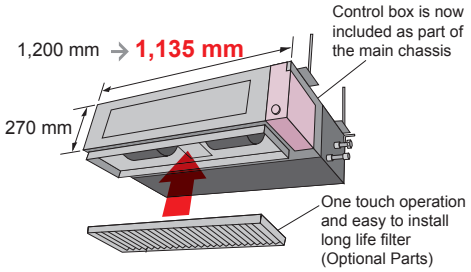
Medium Static Pressure Duct High Efficiency & Comfort



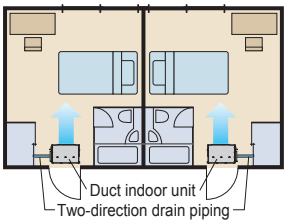
Features

Slim & Compact design

In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270 mm, Further space savings have been achieved by mounting the control box internally inside the chassis.



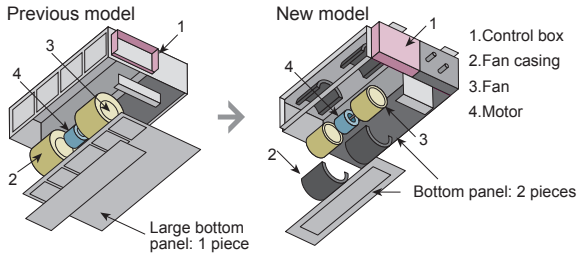
Two-direction drain piping



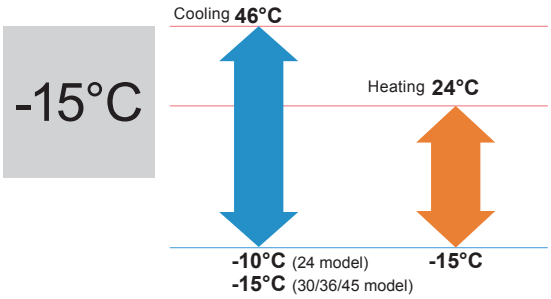
Easy maintenance

Structural improvement is attained by making the bottom panel two pieces, front and rear. The internal fan casing is also manufactured in two pieces, namely upper and lower. The maintenance of the motor and fan can be easily carried out by removing the rear panel and the lower part of the casing while leaving the main chassis installed.

See below for the case of rear suction type



Low ambient operation



Model : RDG24LMLA / RDG30LMLE / RDG36LMLE / RDG45LMLA / RDG36LMLA [3phase] / RDG45LMLA [3phase]



Wired R.C.





For RDG24LMLA



For RDG30/36LMLE



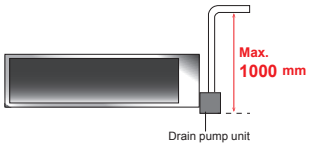
For RDG36/45LMLA

Specifications

Model No.	Indoor unit			RDG24LMLA	RDG30LMLE	RDG36LMLE	RDG45LMLA	RDG36LMLA	RDG45LMLA
	Outdoor unit			ROG24LALA	ROG30LETL	ROG36LETL	ROG45LETL	ROG36LATT	ROG45LATT
Power Source				Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz	
Capacity	Cooling		kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)
	Heating			8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.1 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)
Input Power	Cooling/Heating		kW	2.21/2.26	2.65/2.68	2.96/3.10	3.77/3.68	2.84/2.87	3.89/3.88
EER	Cooling		W/W	3.08	3.21	3.18	3.21	3.52	3.21
COP	Heating			3.54	3.73	3.61	3.61	3.90	3.61
Pdesign	Cooling/Heating(-10°C)		kW	6.8/6.0	8.5/8.0	9.4/8.7	-	10.0/10.0	-
SEER	Cooling		W/W	6.20	5.90	5.70	-	5.80	-
SCOP	Heating			4.00	3.90	3.80	-	4.00	-
Energy Efficiency Class	Cooling			A++	A+	A+	-	A+	-
	Heating			A+	A	A	-	A+	-
Max. Operating Current	Cooling/Heating		A	12.0/13.5	17.0/17.0	18.5/20.0	21.0/21.0	8.5/8.5	9.5/9.5
Annual Energy Consumption	Cooling		kWh/a	384	504	576	-	603	-
	Heating			2098	2868	3202	-	3497	-
Moisture Removal			l/h	2.5	2.5	3.0	4.0	3.0	4.5
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	38/36/31/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q		31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	40/36/31/26	42/38/32/28
	Outdoor(Cooling/Heating)	High		52/53	53/55	54/55	55/55	51/53	54/54
Sound Power Level	Indoor(Cooling/Heating)	High		60/62	65/69	65/70	-	65/67	-
	Outdoor(Cooling/Heating)	High		67/70	68/69	69/70	-	67/69	-
Airflow Rate	Indoor / Outdoor	High	m^3/h	1100/2470	1900/3600	1900/3800	2100/6750	1800/6200	2100/6750
Static pressure range (Standard)			Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30 to 150 (47)	30 to 150 (60)
Net Dimensions H x W x D	Indoor		mm	270×1135×700	270×1135×700	270×1135×700	270x1135x700	270×1135×700	270×1135×700
Weight			kg(lbs)	38 (84)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)
	Outdoor		mm	578×790×315	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330
			kg(lbs)	44 (97)	61 (134)	61 (134)	86 (190)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1
Max Pipe Length (Pre-Charge)			m	30 (15)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)
Max Height Difference				20	30	30	30	30	30
Operation Range	Cooling		°CDB	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	1,700	2,100	2,100	3,350	3,450	3,450

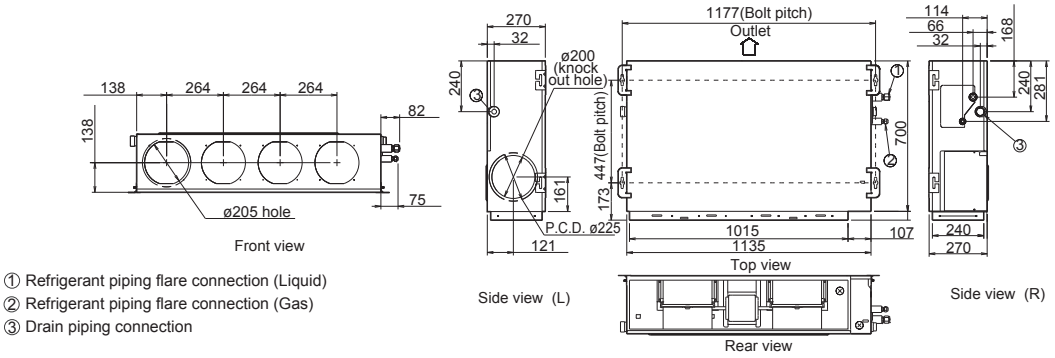
Optional parts

Wired Remote Controller:	UTY-RNNXM, UTY-RVNXM	Long Life Filter:	UTD-LF25NA
Simple Remote Controller:	UTY-RSNXM	Remote Sensor Unit:	UTY-XSZX
Flange (Round):	UTD-RF204	Drain Pump Unit:	UTZ-PX1NBA
Flange (Square):	UTD-SF045T	IR Receiver Kit:	UTY-LRHXM



Dimensions

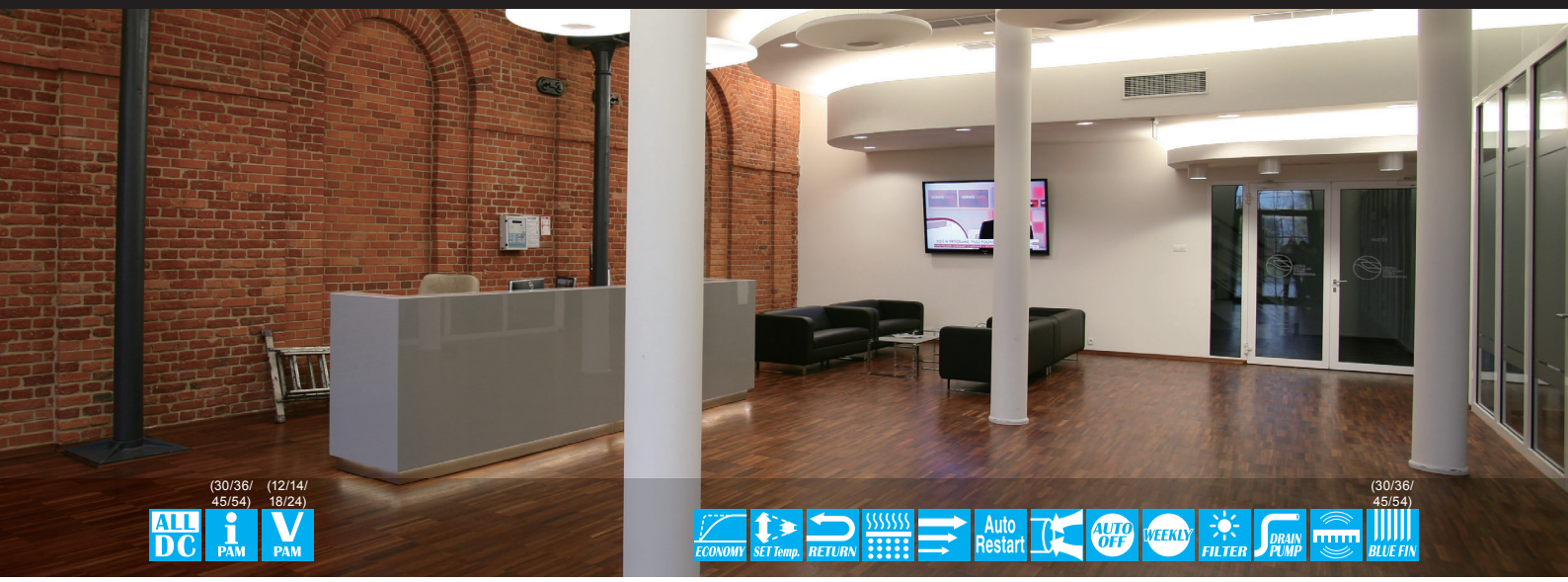
(Unit : mm)



① Refrigerant piping flare connection (Liquid)
② Refrigerant piping flare connection (Gas)
③ Drain piping connection

NEW

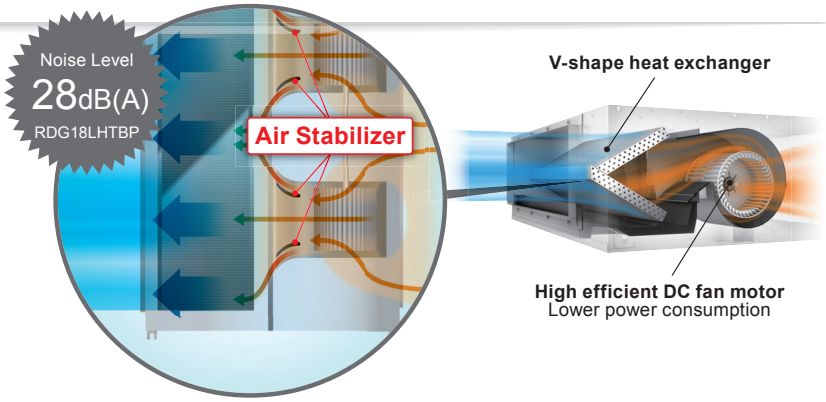
Medium Static Pressure Duct Compact & Comfort



Features

High Efficiency & Quiet operation

The combination of the V-shaped heat exchanger, air stabilizer, and the high efficient DC fan motor allowed high efficiency and quiet operation despite of the small structual design.



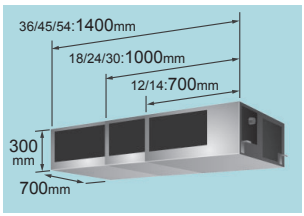
Automatic Airflow adjustment function

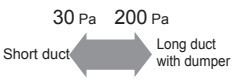
This unique and innovative function detects required air flow in each application case and automatically adjust the volume.



Improved installation flexibility

- Capable to be installed in various applications that requires static pressure of 30Pa to 200 Pa
- Built-in drain pump, rises drain up to 850 mm
- Unified depth throughout the range enables the selection of the capacity regardless of the additional space.



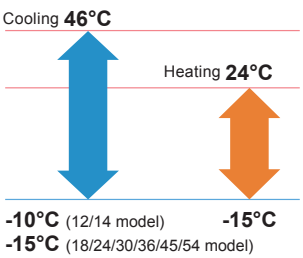


Improved service and maintenance

- Drain pump is easily detachable from the side
- Easy access to electrical box
- Error code can be checked more in detail from error history

Low ambient operation

-15°C



Model: RDG12LHTBP / RDG14LHTB / RDG18LHTBP / RDG24LHTBP RDG30LHTBP / RDG36LHTBP / RDG45LHTBP / RDG54LHTBP



Touch Panel Wired R.C.



RDG12/14LHTBP



RDG18/24/30LHTBP



RDG36/45/54LHTBP



For RDG12/14LHTBP



For RDG18/24LHTBP



For RDG30/36LHTBP



For RDG45/54LHTBP

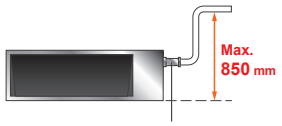
Specifications

Model No.	Indoor unit			RDG12LHTBP	RDG14LHTBP	RDG18LHTBP	RDG24LHTBP	RDG30LHTBP	RDG36LHTBP	RDG45LHTBP	RDG54LHTBP
	Outdoor unit			ROG12LBLA	ROG14LBLA	ROG18LBCA	ROG24LBCA	ROG30LBTA	ROG36LBTA	ROG45LBTA	ROG54LBTA
Power Source				Single-phase, ~230V, 50Hz							
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-8.0)	8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-16.2)	16.0 (4.7-16.5)
Input Power	Cooling/Heating		kW	0.90/1.00	1.18/1.25	1.37/1.48	1.95/2.21	2.65/2.70	2.83/3.07	3.59/3.44	4.42/4.62
EER	Cooling		W/W	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03
COP	Heating			4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46
Pdesign	Cooling/Heating(-10°C)		kW	3.5/4.2	4.3/4.5	5.2/ 4.3	6.8/ 6.0	8.5/8.0	9.4/8.7	-	-
SEER	Cooling		W/W	6.20	6.10	7.15	6.50	5.95	5.81	-	-
SCOP	Heating (Average)			4.10	4.00	4.11	4.01	3.95	3.81	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A+	A+	-	-
	Heating (Average)			A+	A+	A+	A+	A	A	-	-
Max. Operating Current	Cooling/Heating		A	7.5/10.0	9.0/12.5	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	22.5/22.5	23.5/23.5
Annual Energy Consumption	Cooling		kWh/a	*	*	255	366	500	566	*	*
	Heating			*	*	1462	2092	2833	3194	*	*
Moisture Removal			l/h	*	*	1.2	1.8	2.3	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q		32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor(Cooling/Heating)	High		47/48	49/49	50/51	55/56	53/55	54/55	55/55	55/57
Sound Power Level	Indoor(Cooling/Heating)	High		*	*	54/54	57/57	63/65	64/63	67/69	67/69
	Outdoor(Cooling/Heating)	High		60/61	64/63	63/62	68/68	68/69	69/70	68/68	69/71
Airflow Rate (High)	Indoor / Outdoor	High	m^3/h	850/1780	950/1910	1050/ 1900	1360/ 2460	1700/ 3600	2050/ 3800	2550/ 6750	2550/ 6750
Static pressure range (Standard)			Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions H x W x D	Indoor		mm	300×700×700	300×700×700	300×1000×700	300×1000×700	300×1000×700	300×1400×700	300×1400×700	300×1400×700
Weight			kg(lbs)	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)
	Outdoor		mm	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
			kg(lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Height Difference				15	15	20	20	30	30	30	30
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	1,150	1,250	1,800	1,800	2,100	2,100	3,350	3,350

*:That specification is not fixed yet.

Optional parts

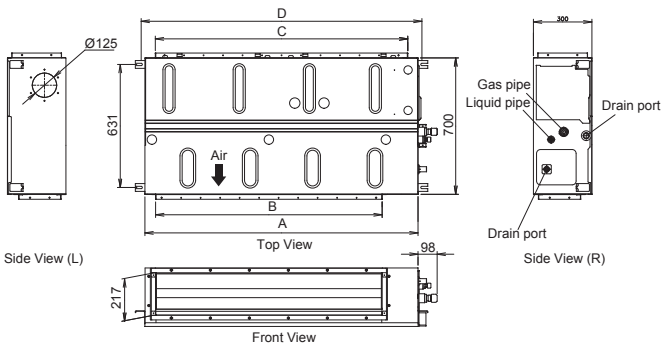
Wired Remote Controller:	UTY-RNRXZ1,UTY-RVNXM,UTY-RNNXM	Long life filter:	UTD-LFNA (for RDG36/45/54LHTBP)
Simple Remote Controller:	UTY-RSNXM		UTD-LFNB (for RDG24/30LHTBP)
IR Receiver Unit :	UTY-LBTXM		UTD-LFNC (for RDG12/14LHTBP)
External input and output PCB (with bracket):	UTY-XCSX + UTZ-GXNA	Remote Sensor Unit:	UTY-XSZX
External connect kit:	UTY-XWZXZG, UTY-XWZXZ3		



Drain hose is standard accessory

Dimensions

(Unit : mm)



	RDG12/14LHTBP	RDG18/24/30LHTBP	RDG36/45/54LHTBP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

High Static Pressure Duct

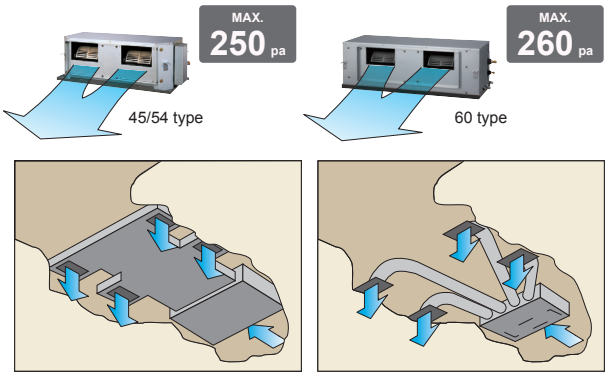


Features

High energy efficiency

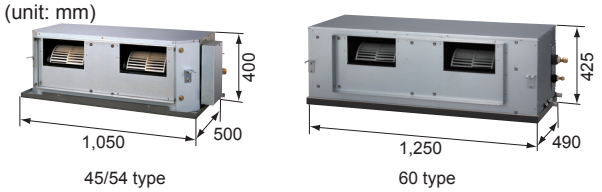
Significantly greater efficiency is realized by using all DC inverter technology. (60 type)

Design also corresponding to high static pressure



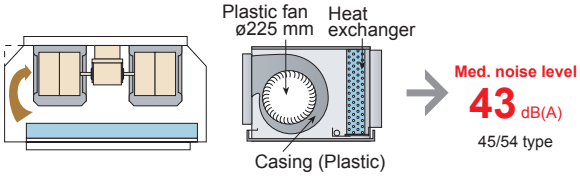
Easy installation (Compact size & Lightweight)

A compact size and lightweight indoor unit has been developed by reducing the basic chassis and the overall material weight.

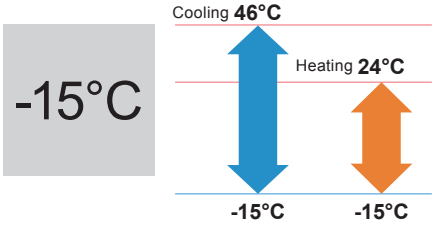


Low noise

Cutting off the corners has enabled less turbulent airflow.Low noise is realized by adopting a plastic case and a plastic fan.



Low ambient operation



Model : RDG45LHTA / RDG54LHTA / RDG45LHTA [3phase] / RDG54LHTA [3phase] / RDG60LHTA [3phase]



Wired R.C.



RDG45/54LHTA



RDG60LHTA



Specifications

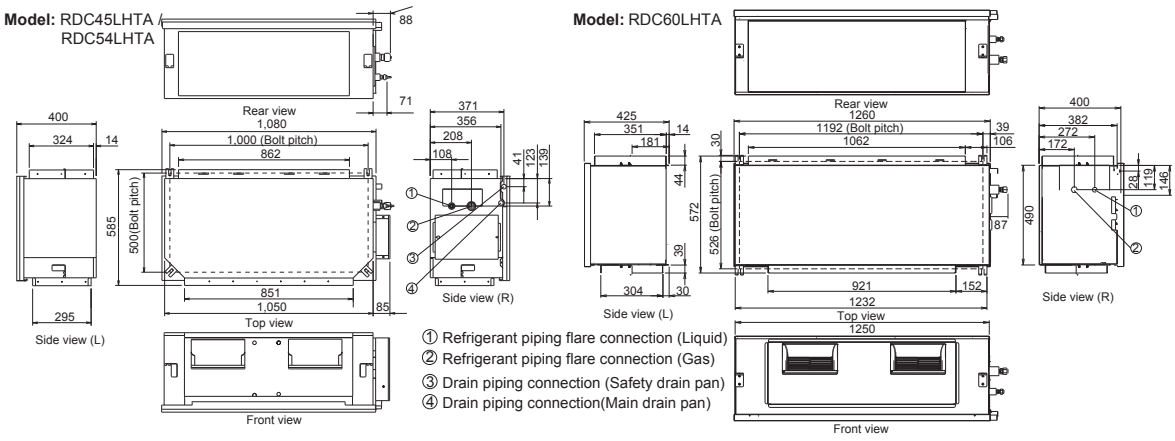
Model No.	Indoor unit			RDG45LHTA	RDG54LHTA	RDG45LHTA	RDG54LHTA	RDG60LHTA
	Outdoor unit			ROG45LETL	ROG54LETL	ROG45LATT	ROG54LATT	ROG60LATT
Power Source				Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz		
Capacity	Cooling		kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	15.0 (6.2-17.5)
	Heating			14.0 (5.0-16.2)	16.0 (5.5-18.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)	18.0 (6.2-20.0)
Input Power	Cooling/Heating		kW	4.30/3.80	4.77/4.69	4.06/3.67	4.65/4.37	4.70/5.15
EER	Cooling		W/W	2.91	2.81	3.08	3.01	3.19
COP	Heating			3.68	3.41	3.81	3.66	3.50
Max. Operating Current	Cooling/Heating		A	22.5/22.5	23.5/23.5	11.0/11.0	12.0/12.0	12.5 /12.5
Moisture Removal			l/h	1.5	2.0	1.5	2.5	2.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-
	Indoor (Heating)	H/M/L/Q		47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-
	Outdoor(Cooling/Heating)	High		55/55	55/57	54/54	55/56	56/58
Airflow Rate	Indoor / Outdoor	High	m^3/h	3350/6750	3350/6750	3350/6750	3350/6900	3550/6900
Static pressure range (Standard)			Pa	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	60 to 260 (60)
Net Dimensions H x W x D	Indoor		mm	400×1050×500	400×1050×500	400×1050×500	400×1050×500	425×1250×490
Weight			kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	54 (119)
	Outdoor		mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
			kg(lbs)	86 (189)	86 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference				30	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	3,350	3,350	3,450	3,450	3,450

Optional parts

Wired Remote Controller:	UTY-RNNXM, UTY-RVNXM
Simple Remote Controller:	UTY-RSNXM
Long-Life Filter:	UTD-LF60KA (For RDG45/54LHTA only)
Remote Sensor Unit:	UTY-XSZX
IR Receiver Kit:	UTY-LRHXM(For RDG60LHTA only)

Dimensions

(Unit : mm)



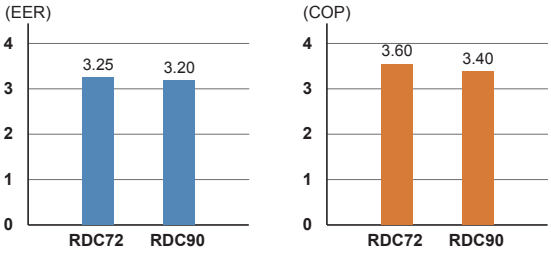
High Static Pressure Duct



Features

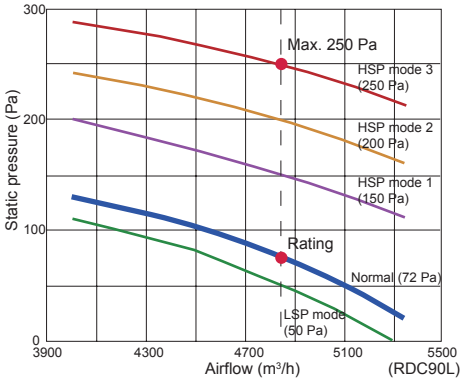
High energy efficiency

Significantly greater efficiency is realized by using DC twin rotary compressor, all DC inverter technology, and large heat exchanger.



5 Static Pressure selection

Improvement and design flexibility has allowed multiple fan speeds and static pressure modes. Low noise is realized by adopting plastic case, plastic fan.



Outdoor unit quiet operation

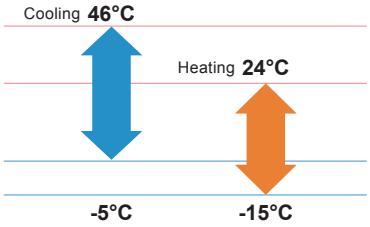
A low outdoor noise operation mode allows the outdoor unit to have two quiet mode operation settings.

Peak cut operation

A peak power consumption mode controls a 4 step outdoor operation control to cut down energy usage at peak energy usage times.

Low ambient operation

-15°C
at Heating



Model : RDC72LHTA [3phase] / RDC90LHTA [3phase]



Wired R.C.



RDC72LHTA



RDC90LHTA



Specifications

Model No.	Indoor unit			RDC72LHTA	RDC90LHTA
	Outdoor unit			ROA72LALT	ROA90LALT
Power Source				3-phase, ~400V, 50Hz	
Capacity	Cooling		kW	20.3 (10.8-23.5)	25.0 (11.2-28.0)
	Heating			22.6 (12.0-26.5)	28.0 (12.5-31.5)
Input Power	Cooling/Heating		kW	6.25/6.27	7.82/8.24
EER	Cooling		W/W	3.25	3.20
COP	Heating			3.60	3.40
Max. Operating Current	Cooling/Heating		A	22.8/22.8	25.8/25.8
Moisture Removal			l/h	4.5	6.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	47/44/41/-	49/46/43/-
	Indoor (Heating)	H/M/L/Q		47/44/41/-	49/46/43/-
	Outdoor(Cooling/Heating)	High		57/57	58/59
Airflow Rate	Indoor / Outdoor	High	m^3/h	4300/9300	4850/10700
Static pressure range (Standard)			Pa	50 to 250 (72)	50 to 250 (72)
Net Dimensions H x W x D	Indoor		mm	450×1587×700	550×1587×700
Weight			kg(lbs)	100 (220)	110 (242)
	Outdoor		mm	1690×930×765	1690×930×765
			kg(lbs)	215 (473)	215 (473)
Connection Pipe Diameter (Liquid / Gas)			mm	12.70/25.40	12.70/25.40
Drain Hose Diameter (I.D./O.D.)				35.7/38.1	35.7/38.1
Max Pipe Length (Pre-Charge)			m	75 (20)	75 (20)
Height Difference				30	30
Operation Range	Cooling		°CDB	-5 to 46	-5 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		g	11,200	11,200

Optional parts

Wired Remote Controller: UTY-RNNXM, UTY-RVNXM

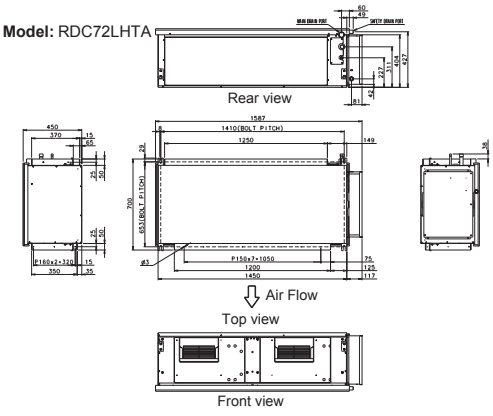
Simple Remote Controller: UTY-RSNXM

Remote Sensor Unit: UTY-XSZX

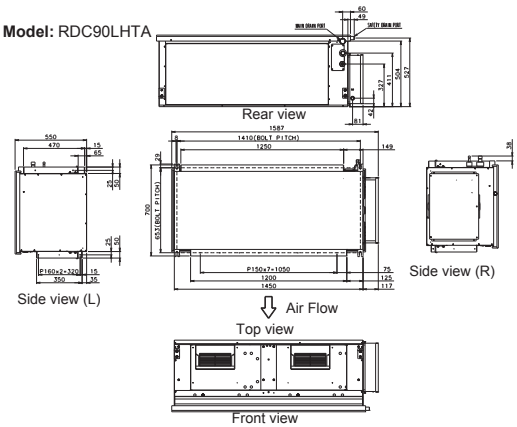
Dimensions

(Unit : mm)

Model: RDC72LHTA



Model: RDC90LHTA



MULTI SPLIT





Control several indoor units with one outdoor unit. Build the optimum system you desire.

If you want to keep a large floor as well as many rooms comfortable, we recommend you use Multi Split to build a simple system using one outdoor unit. Choose from a large lineup of indoor units that best matches your rooms. You can mix and match them at will. Build the system that is just right for you.

Multi Split provides comfort in a variety of situations

from home to office and store.

058 2-8 Rooms Multi type Lineup

060 2 & 3-4 Rooms Multi

062 8 Rooms Multi

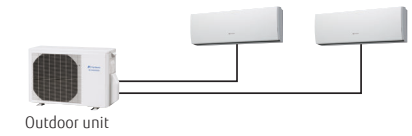
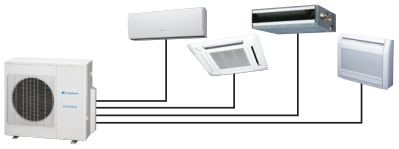
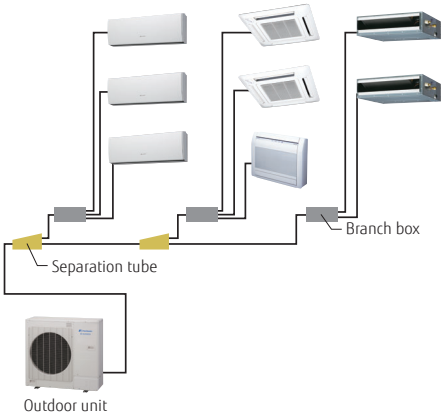
066 Specifications of All Indoor Units

068 Simultaneous Multi Twin/Triple

070 Multi Combination Table

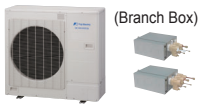
080 Optional Parts for Split & Multi Split

2-8 Rooms Multi Type Lineup

		Indoor unit					
Model No.		14	18		24	30	45
Cooling rated capacity(kW)		4	5	5.4	6.8	8	14
2 Rooms Multi **Up to 2 units**		● ROG14LAC2	● ROG18LAC2				
3 Rooms Multi **Up to 3 units**				● ROG18LAT3	● ROG24LAT3		
4 Rooms Multi **Up to 4 units**						● ROG30LAT4	
8 Rooms Multi **Up to 8 units**							● ROG45LBT8

Note : 1. 2 Rooms Multi : Connectable indoor units are 2 units.
ROG14LAC2: Total capacity of indoor units connected must be between 4.0 kW and 6.2 kW.
ROG18LAC2: Total capacity of indoor units connected must be between 4.0 kW and 7.0 kW.
2. 3 Rooms Multi : Connectable indoor units are 2 to 3 units.
ROG18LAT3: Total capacity of indoor units connected must be between 4.0 kW and 8.5 kW.
ROG24LAT3: Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.
3. 4 Rooms Multi : Connectable indoor units are 3 to 4 units.
ROG30LAT4: Total capacity of indoor units connected must be between 7.9 kW and 14.4 kW.
4. 8 Rooms Multi : Connectable indoor units are 2 to 8 units.
ROG45LBT8: Total capacity of indoor units connected must be between 11.2 kW and 18.2 kW.

Connectable Indoor unit line-up

Outdoor Unit	Type		2 Rooms		3 Rooms		4 Rooms	8 Rooms
	Model name		ROG14LAC2	ROG18LAC2	ROG18LAT3	ROG24LAT3	ROG30LAT4	ROG45LBT8
								 (Branch Box)
	Capacity (kW)	Heating	4.0	5.0	5.4	6.8	8.0	14.0
		Cooling	4.4	5.6	6.8	8.0	9.6	16.0

Indoor Unit	BTU	kW Class						
 RSG07/09/12/14LM	7000	2.0	●	●	●	●	●	●
	9000	2.5	●	●	●	●	●	●
 RSG07/09/12/14LU	12000	3.5	●	●	●	●	●	●
	14000	4.0	—	●	●	●	●	●
 RSG18/24LF	18000	5.0	—	—	—	●	●	●
	24000	7.0	—	—	—	—	●	●
 RGG09/12/14LV	9000	2.5	—	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●
 RCG07/09/12/14/18LV	7000	2.0	—	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●
	18000	5.0	—	—	—	●	●	●
 RYG14/18LV	14000	4.0	—	—	●	●	●	●
	18000	5.0	—	—	—	●	●	●
 RDG07/09/12/14/18LL	7000	2.0	—	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●
	18000	5.0	—	—	—	●	●	●

Indoor unit features

	ECONOMY	POWERFUL	10°C HEAT					Auto Restart			SLEEP	PROGRAM	WEEKLY	WEEKLY SETBACK	FILTER		AF	
RSG07/09/12/14LM	●	●	●	●	●		●	●			●	●		○	●	●	●	●
RSG07/09/12/14LU	●		●	●	●		●	●			●	●	●	○	●	●	●	●
RSG18/24LF	●		●	●		●	●	●			●	●		○	●	●	●	
RGG09/12/14LV	●		●	●	●		●	●			●	●		○	●	●	●	●
RCG07/09/12/14/18LV	●		●	●	●		●	●	○	○	●	●		○	●			
RYG14/18LV	●		●	●		●	●	●		○	●	●		○	●			
RDG07/09/12/14/18LL	●		○	●	○		●	●		○	○	○		●	●			

○: Optional function

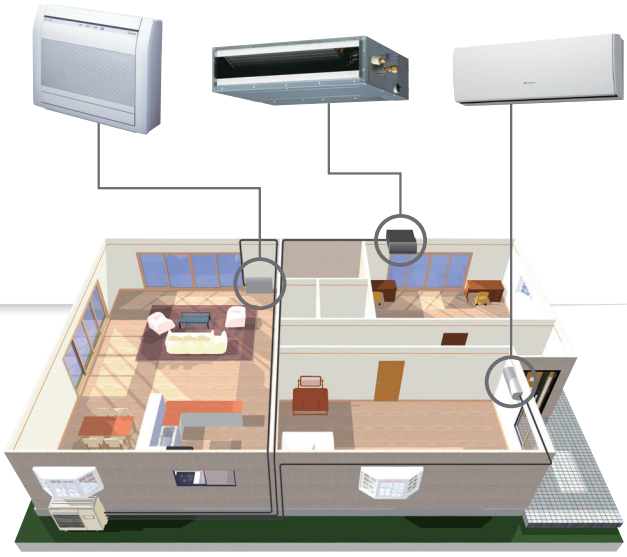
2 & 3-4 Rooms Multi



Features

Wide range of indoor units with various models

7 types 25 models are lined up in the capacity range from 2 kW to 7 kW class. Wide range of needs can be met from rooms of private homes to large shops and hotels.

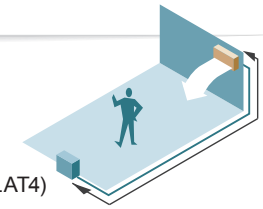


Space-saving installation

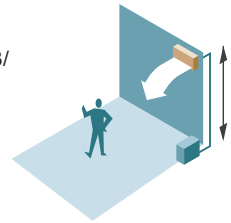
Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible. Compared with single type, the outdoor unit can be installed in various places to realize the space-saving installation.

Flexible installation

Up to max. piping length of 70 m (ROG30LAT4), max. height difference of 15 m can be supported. Multi type can be installed at large-size residence or buildings with multiple floors.



Max. Piping Length (Each Unit):
20 m (ROG14LAC2 / 18LAC2),
25 m (ROG18LAT3 / 24LAT3 / 30LAT4)



Max. Height:
15 m (ROG14LAC2/18LAC2/18LAT3/ 24LAT3/30LAT4)

Total Piping Length:
30 m (ROG14LAC2 / 18LAC2),
50 m (ROG18LAT3 / 24LAT3),
70 m (ROG30LAT4)

2 Rooms: ROG14LAC2 / ROG18LAC2
3 Rooms: ROG18LAT3 / ROG24LAT3
4 Rooms: ROG30LAT4



2 Rooms　3 Rooms　4 Rooms

Specifications (2 ROOMS, 3 ROOMS, 4 ROOMS)

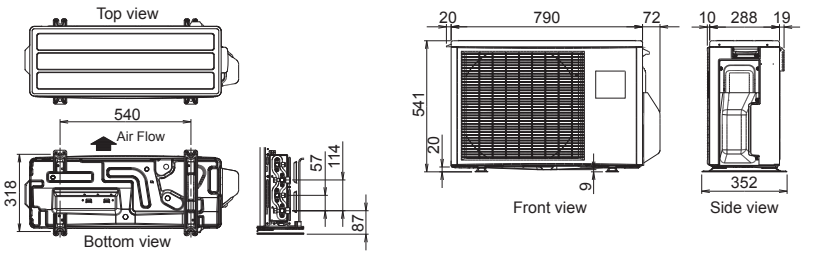
Model No.	Outdoor unit		ROG14LAC2	ROG18LAC2	ROG18LAT3	ROG24LAT3	ROG30LAT4
Power Source			Single-phase, ~230V, 50Hz				
Rated Capacity (min-max)	Cooling	kW	4.0 (1.4-4.4)	5.0 (1.7-5.6)	5.4 (1.8-6.8)	6.8 (1.8-8.5)	8.0 (3.5-10.1)
	Heating		4.4 (1.1-5.4)	5.6 (1.8-6.1)	6.8 (2.0-8.0)	8.0 (2.0-8.8)	9.6 (3.7-12.0)
EER	Cooling	W/W	3.67	3.21	4.00	3.51	3.60
COP	Heating		4.27	3.97	4.20	4.00	4.00
Sound Pressure Level (High)	Cooling	dB(A)	47	50	46	48	50
	Heating		49	51	47	49	51
Sound Power Level (High)	Cooling		61	63	65	68	68
	Heating		63	64	67	70	70
Net Dimensions H × W × D		mm	540×790×290	540×790×290	700×900×330	700×900×330	830×900×330
Weight		kg(lbs)	37 (82)	38 (84)	55 (121)	55 (121)	68 (150)
Connection Pipe Diameter	Liquid	mm	6.35×2	Ø6.35×2	6.35×3	6.35×3	6.35×4 (*6.35×3, 9.52)
	Gas		9.52 × 2	9.52 × 2 *(9.52, 12.7)	9.52 × 2, 12.7 *(9.52 × 3)	9.52 × 2, 12.7 *(9.52 × 3)	9.52 × 2, 12.7 × 2 *(9.52 × 3, 12.7) *(9.52 × 2, 12.7, 15.88)
Max. Pipe Length	Total / Each	m	30 / 20	30 / 20	50 / 25	50 / 25	70 / 25
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.		15	15	15	15	15
	Between Indoor Units.		10	10	10	10	10
Operation Range	Cooling	°CDB	10 to 46	10 to 46	-10 to 46	-10 to 46	0 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-10 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	1,250	1,300	2,200	2,200	3,300

* Connect to connection valve by the adapter.

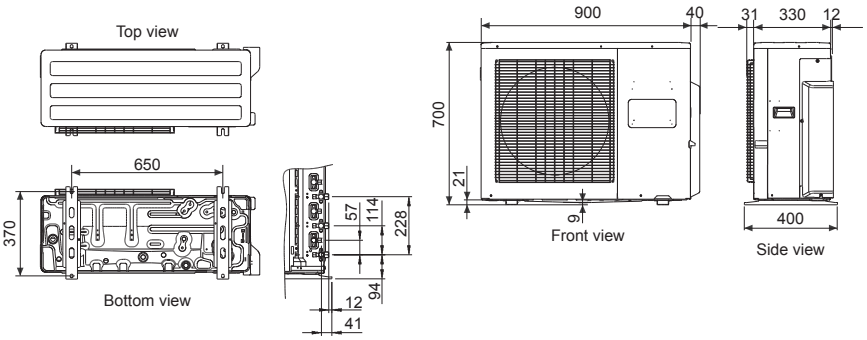
Dimensions

(Unit : mm)

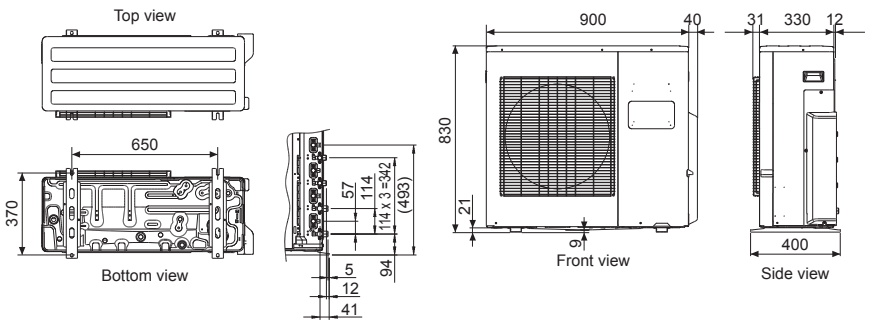
2 Rooms: ROG14LAC2/ROG18LAC2



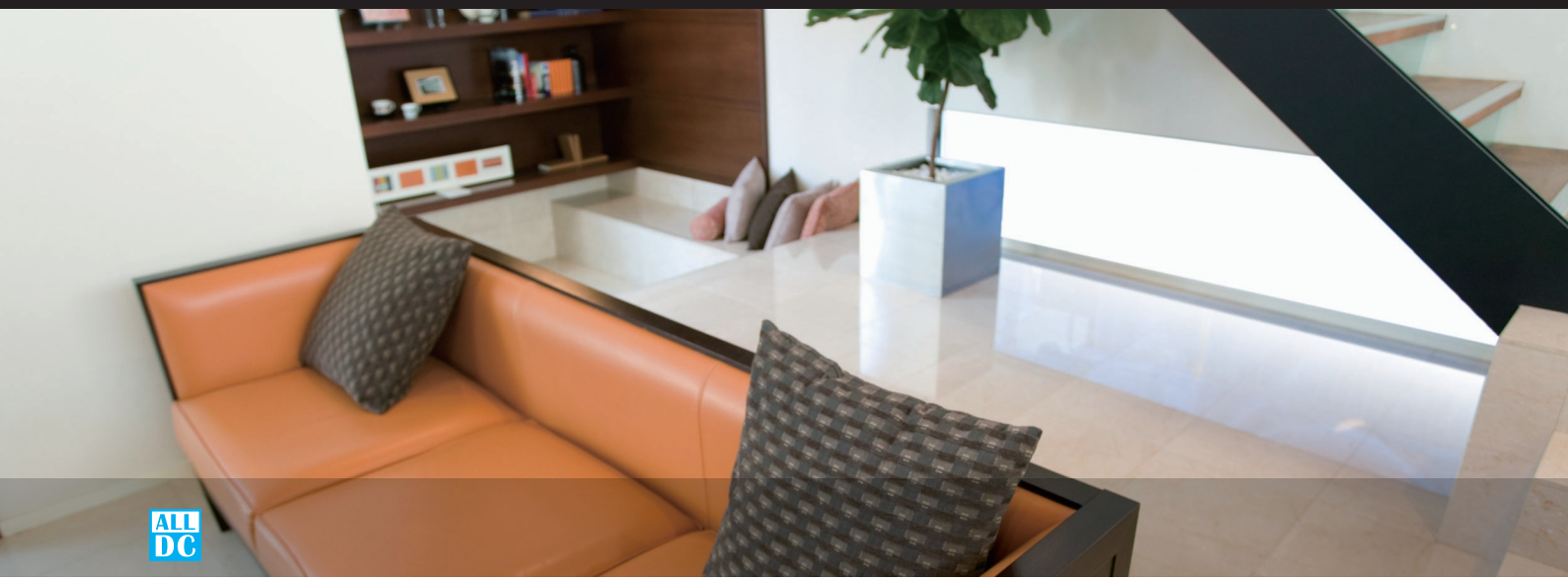
3 Rooms: ROG18LAT3/ROG24LAT3



4 Rooms: ROG30LAT4



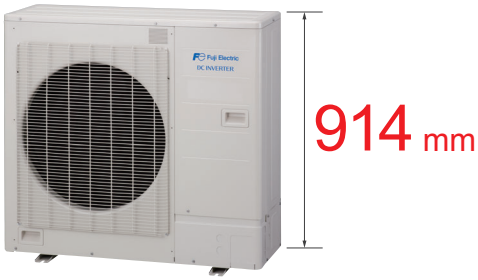
8 Rooms Multi



Features

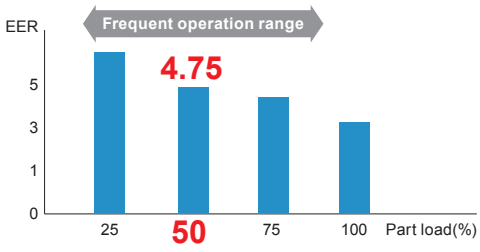
Compact outdoor unit

The compact design outdoor unit allows to be installed below a window and in a narrow space.



High seasonal efficiency

The actual performance is conducted under various outside temperatures depending on weather and seasons, furthermore, especially for multi system, not all the rooms are operated all the time. So over 90% of actual operation time, air conditioners are operated at partial capacity instead of rated capacity. Considering these, we focused on energy-saving performance which is based on actual use. Efficiency of part load performance was drastically improved by developing ALL DC and our own inverter system.



Innovated technology



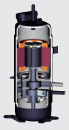
High efficiency large fan:
New high efficiency fan is mounted.



DC fan motor:
High performance and high efficiency has been realized by using a small DC fan motor.



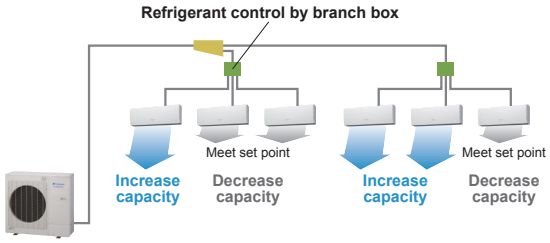
Heat exchanger:
Reduced compact size and energy saving has been realized by utilizing high density piping design and 3-Row heat exchanger.



High efficiency DC twin rotary compressor:
A high performance, low noise, large capacity DC twin rotary compressor is used.

Quick comfort by optimized refrigerant control

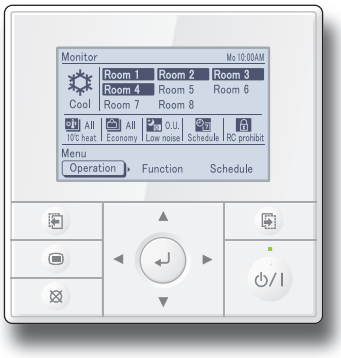
Every room meets the set point most quickly and comfortably by optimized refrigerant control.



Central Remote Controller Option

Max. Controllable
1 multi system

Max. Controllable
8 indoor units



Central remote controller developed for residential applications.All indoor units can be batched controlled using simple operations. Schedule management and other functions can be used to achieve even greater energy savings.

Central & Individual Control

Batched control of up to 8 indoor units. The temperature, airflow volume, and remote control prohibition settings of all indoor units can be batched.

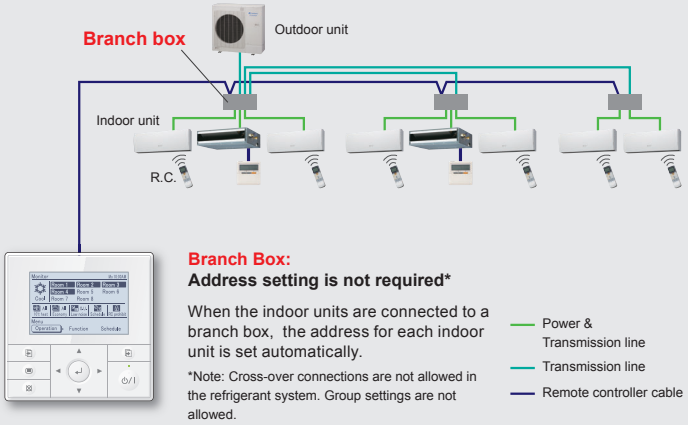
Multiple language support

Corresponds to 9 different languages (English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)

Easy-To-Use operation

- Large backlight LED screen
- Large easy-to-see operation panel

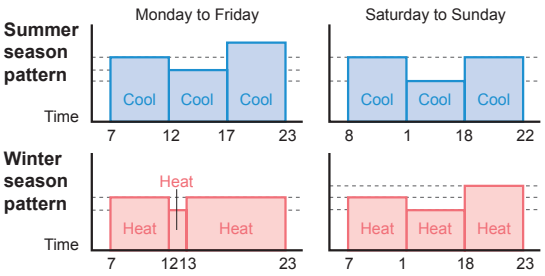
System configuration



Central Remote Controller Functions

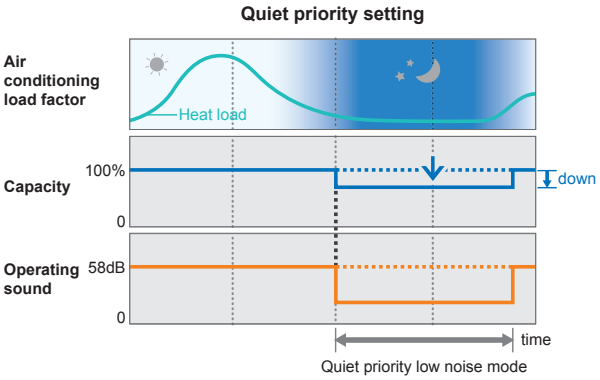
Weekly schedule timer

The ON/OFF setting can be set for 4 times a day. Two weekly patterns can be set to match the cooling and heating seasons.



Low noise operation

Users can choose from 4 low noise levels, depending on the installation environment. The operation time can be set using the timer.



10ºC heat operation

When you leave, minimum heating operation is performed to maintain the room temperature (maintain at 10°C).

Economy operation

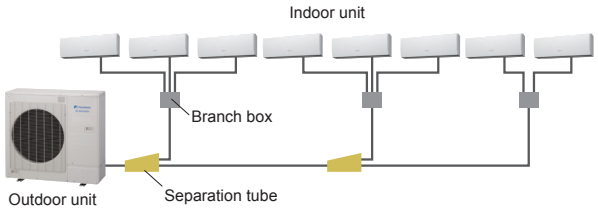
Economy operation is energy saving, as the set temperature of indoor unit is shifted by 1°C and the maximum electric value of the outdoor unit is suppressed.

Prohibited Settings

The remote controller operation of all indoor units comes with a lock function to prevent unapproved operations in the various rooms. The central remote controller also has a key lock function to prevent children from playing with it, etc

Large capacity connection

Up to 8 indoor units can be connected to one outdoor unit. A maximum of 130% indoor unit connectable capacity. Match any room layout.



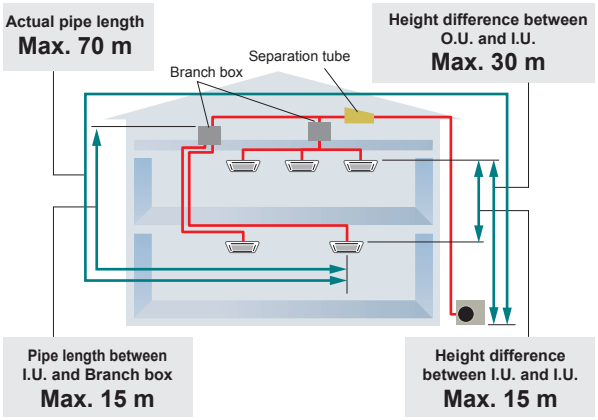
Connectable indoor unit capacity
Ratio up to 130%

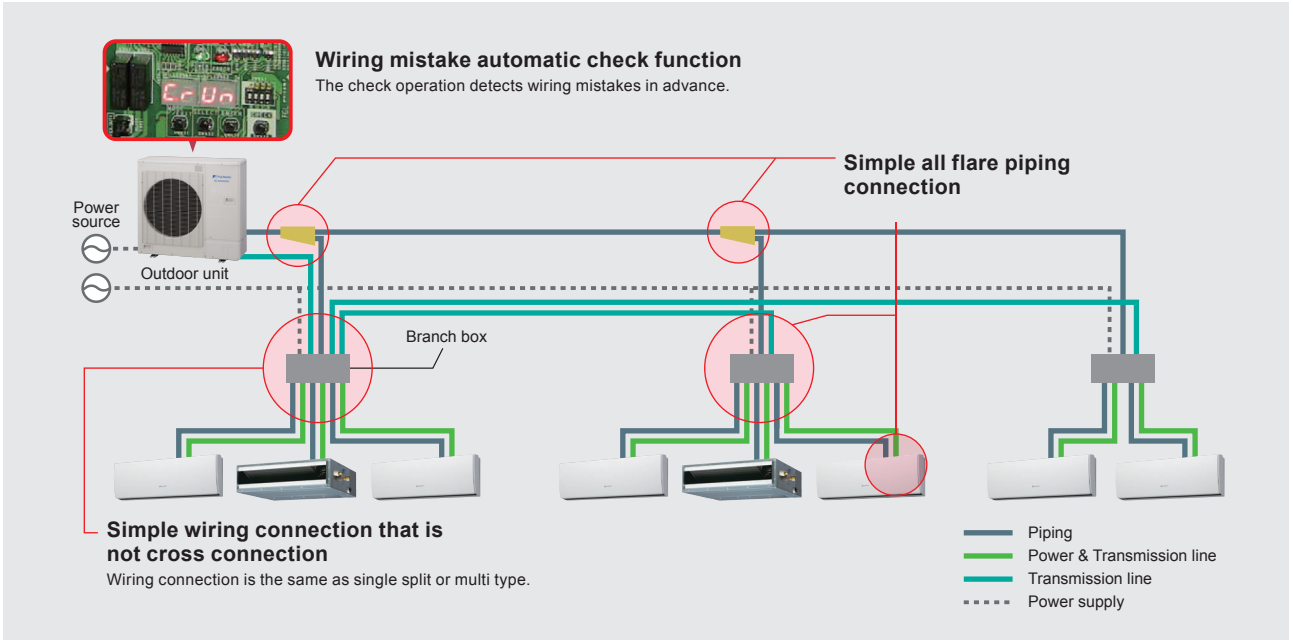
Connectable indoor unit number
Ratio up to 8

Long piping design

Can be installed in high rise condominiums or commercial buildings.

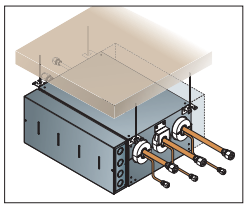
Total pipe length
Max. 115 m





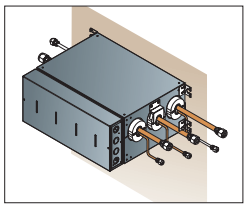
Branch Box can be mounted flexibly.

Allowed Branch Box Mounting Direction



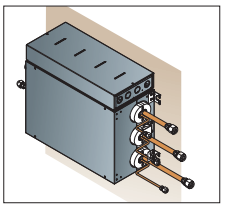
Hanging from the ceiling

Do not hang from the ceiling when performing a vertical installation.



Horizontal Wall Mounting

Install the unit with its top side facing upwards.



Vertical Wall Mounting

Install the unit with the control box facing upwards.

8 Rooms: ROG45LBT8



Specifications

Model Name			ROG45LBT8
Maximum Connectable Indoor Unit			8
Indoor Unit Connectable Capacity	Cooling	kW	11.2 - 18.2
Power source			Single-phase, ~230V, 50Hz
Rated Capacity	Cooling	kW	14.0
	Heating		16.0
Input Power	Cooling	kW	5.20
	Heating		5.07
Airflow rate	Cooling	m^3/h	4,650
	Heating		4,800
Sound Pressure Level	Cooling	dB(A)	56
	Heating		58
Heat Exchanger Fin			Plate fin coil
Net Dimensions H × W × D		mm	914 ×970×370
Weight		kg(lbs)	98 (217)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88
Max Pipe Length		m	115 (Total)
Max Height Difference (O.U ~ I.U)			30
Operating Range	Cooling	°CDB	-5 to 46
	Heating		-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)
	Charge	g	3,450

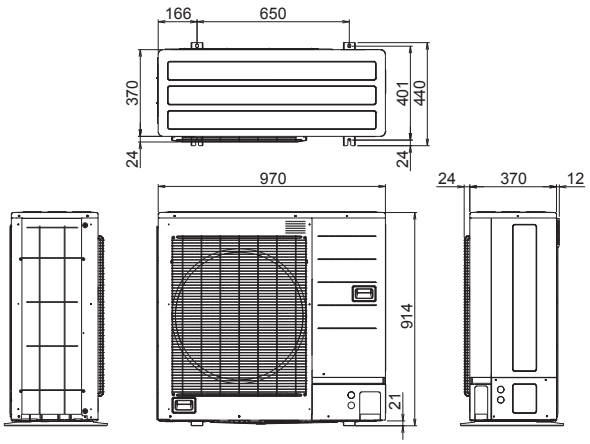
Model Name			UTP-PY03A	UTP-PY02A
Connectable Indoor Unit			1 to 3 Units	1 to 2 Units
Power source			Single-phase, ~230V, 50Hz	Single-phase, ~230V, 50Hz
Available Voltage Range			198-264V	198-264V
Powwer Consumption		W	10	10
Running Currrent		A	0.05	0.05
Net Dimensions H × W × D		mm	195×433×370	195×433×370
Weight		kg(lbs)	9 (20)	9 (20)
Connection pipe diameter	Liquid	°CDB	Main: 9.52×1, Branch:6.35×3	Main: 9.52×1, Branch:6.35×2
	Gas		Main: 15.88×1, Branch:12.7×3	Main: 15.88×1, Branch:12.7×2
	Method		Flare	Flare

Note: Specifications are based on the following conditions.
- In case of connecting two indoor units(7 kW class).
- These are the measured values in the manufacturer`s anechoic chamber.
- Cooling: Indoor temp. of 27°CDB/19°CWB, outdoor temp. of 35°CDB/24°CWB Heating: Indoor temp. of 20°CDB/15°CWB, outdoor temp. of 7°CDB/6°CWB
  Pipe length: 5m (Outdoor unit - Branch box), 3m (Branch box - Indoor unit) Height difference : 0m

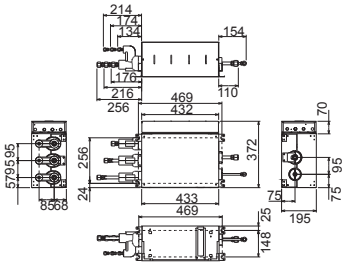
Dimensions

(Unit : mm)

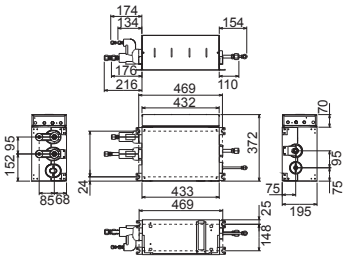
Outdoor Unit:
ROG45LBT8



Branch Box :
UTP-PY03A (3 branches type)



Branch Box :
UTP-PY02A (2 branches type)



Specifications of All Indoor Units

Compact wall mounted



Model No.	Indoor unit			RSG07LUCA	RSG09LUCA	RSG12LUCA	RSG14LUCA
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	35/30/28/21	36/32/28/21	37/34/31/21	41/36/33/25
	Heating			35/30/28/21	36/32/28/21	37/34/31/21	41/36/34/27
Sound Power Level	Cooling	H	dB(A)	53	54	55	59
	Heating			53	54	55	59
Airflow Rate	Cooling	H/M/L/Q	m^3/h	570/520/470/330	600/550/470/330	660/600/530/330	710/640/570/390
	Heating			570/520/470/330	600/550/470/330	660/600/530/330	710/640/590/430
Net Dimensions			mm	282×870×185	282×870×185	282×870×185	282×870×185
Weight			kg(lbs)	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7

Wall mounted





Model No.	Indoor unit			RSG07LMCA	RSG09LMCA	RSG12LMCA	RSG14LMCA	RSG18LFCA	RSG24LFCC
kW Class			kW	2.0	2.5	3.5	4.0	5.0	7.0
Power Source				Single-phase, ~230V, 50Hz					
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/32/29/21	37/33/29/21	40/36/30/21	42/38/33/25	43/37/33/26	49/42/37/33
	Heating			36/32/29/22	37/33/29/22	40/36/31/22	42/38/35/27	42/37/33/25	48/42/37/33
Sound Power Level	Cooling	H	dB(A)	51	52	54	56	58	64
	Heating			51	52	55	57	58	64
Airflow Rate	Cooling	H/M/L/Q	m^3/h	560/500/430/310	600/520/430/310	660/560/450/310	730/600/530/360	900/740/620/550	1120/900/740/620
	Heating			560/500/430/330	600/520/430/330	660/560/470/330	730/615/560/375	900/740/620/550	1100/900/740/620
Net Dimensions			mm	268×840×203	268×840×203	268×840×203	268×840×203	320×998×238	320×998×238
Weight			kg(lbs)	8.5 (19)	8.5 (19)	8.5 (19)	8.5 (19)	14 (30.8)	14 (30.8)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7	Ø6.35/Ø15.88

Floor



Model No.	Indoor unit			RGG09LVCA	RGG12LVCA	RGG14LVCA
kW Class			kW	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz		
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	39/34/28/22	42/36/30/22	44/38/31/22
	Heating			39/35/30/22	42/38/32/22	44/39/33/22
Sound Power Level	Cooling	H	dB(A)	52	55	56
	Heating			52	55	56
Airflow Rate	Cooling	H/M/L/Q	m^3/h	530/440/360/270	600/490/380/270	650/520/400/270
	Heating			530/460/380/270	600/510/410/270	650/540/430/270
Net Dimensions			mm	600×740×200	600×740×200	600×740×200
Weight			kg(lbs)	14 (30.7)	14 (30.7)	14 (30.7)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7

Floor ceiling



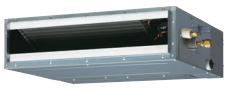
Model No.	Indoor unit			RYG14LVTA	RYG18LVTB
kW Class			kW	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz	
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
	Heating			36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
Sound Power Level	Cooling	H	dB(A)	51	55
	Heating			51	55
Airflow Rate	Cooling	H/M/L/Q	m^3/h	640/590/540/480	780/700/560/500
	Heating			640/590/540/480	780/700/560/500
Net Dimensions			mm	199×990×655	199×990×655
Weight			kg(lbs)	27 (60)	27 (60)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/12.7	6.35/12.7

Compact cassette



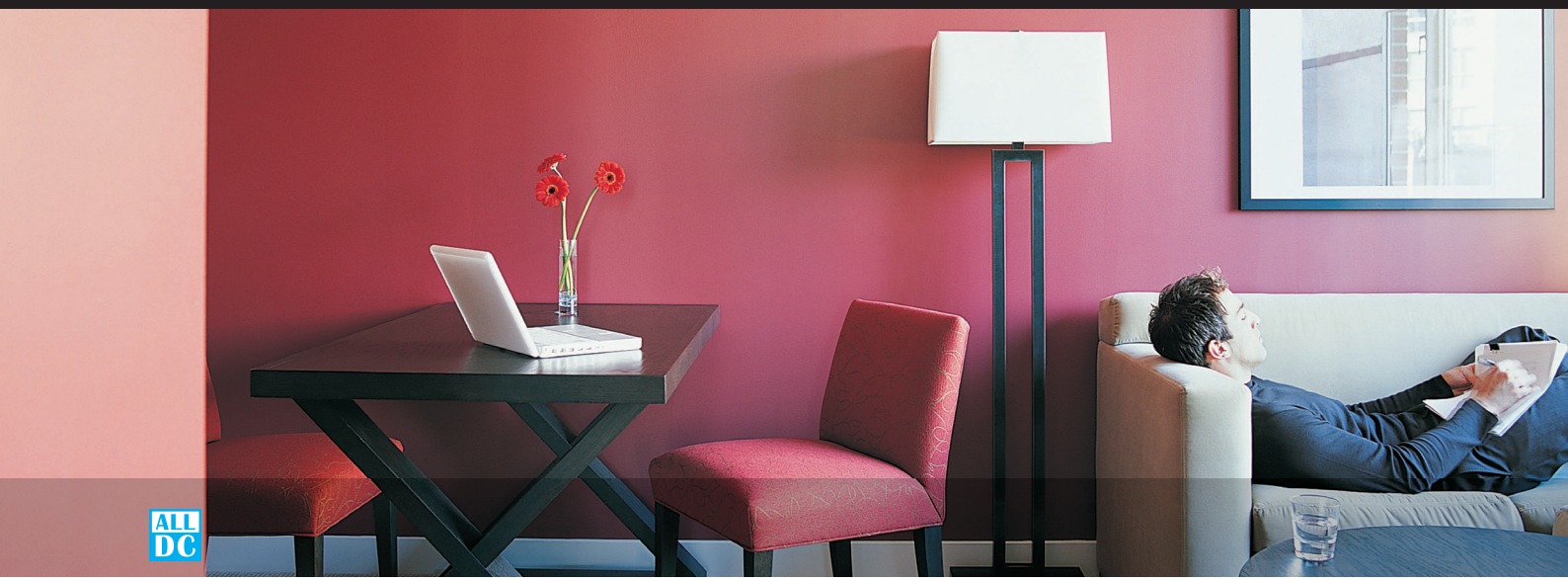
Model No.	Indoor unit			RCG07LVLA	RCG09LVLA	RCG12LVLB	RCG14LVLB	RCG18LVLB
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	33/31/29/27	33/31/29/27	37/33/31/28	40/35/32/29	42/37/33/29
	Heating			34/32/29/27	34/32/29/27	37/33/31/28	40/37/34/29	44/40/37/30
Sound Power Level	Cooling	H	dB(A)	46	46	49	52	54
	Heating			47	47	49	52	56
Airflow Rate	Cooling	H/M/L/Q	m^3/h	540/490/440/390	540/490/440/390	610/530/470/410	680/580/490/410	750/610/520/410
	Heating			540/490/440/390	540/490/440/390	610/530/470/410	700/620/550/430	800/710/600/450
Net Dimensions			mm	245×570×570	245×570×570	245×570×570	245×570×570	245×570×570
Weight			kg(lbs)	15(33.1)	15 (33.1)	15 (33.1)	15 (33.1)	15 (33.1)
Panel				CG-UFFD				
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7

Slim duct



Model No.	Indoor unit			RDG07LLTA	RDG09LLTA	RDG12LLTB	RDG14LLTB	RDG18LLTB
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26	32/31/30/29
	Heating			28/26/25/24	28/26/25/24	29/28/27/24	33/30/28/25	33/32/31/29
Sound Power Level	Cooling	H	dB(A)	57	57	58	60	58
	Heating			57	57	58	61	59
Airflow Rate	Cooling	H/M/L/Q	m^3/h	550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750
	Heating			550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750
Net Dimensions			mm	198×700×620	198×700×620	198×700×620	198×700×620	198×900×620
Weight			kg(lbs)	17 (37.5)	19 (41.8)	19 (41.8)	19 (41.8)	23 (50.6)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7
External static pressure				0 to 90				
Drain pump				Standard				

NEW Simultaneous Multi Twin / Triple

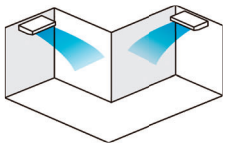


Features

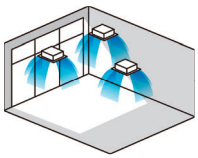
Can support various installation scenes from office to commercial space by same place multi connection of up to 3 units.

Indoor units distributed layout according to the shape and number of people and lighting conditions of the room even on wide floors and atypical floors. Ideal comfortable air flow distribution can be realized.

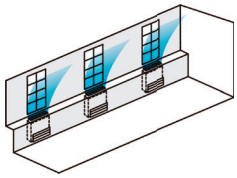
Installation according to floor layout



Installation according to lighting conditions

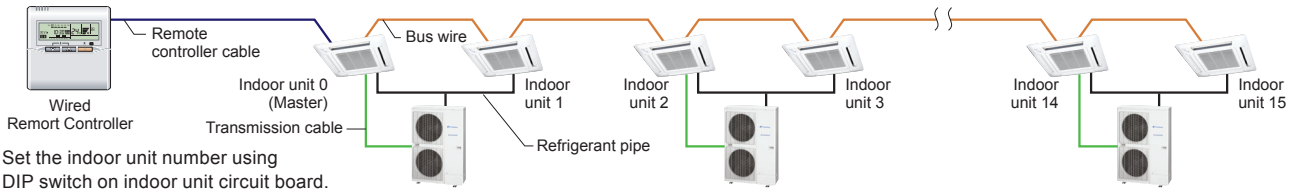


Installation according to layout and lighting conditions



Simultaneous control

Max 16 indoor units are simultaneously controlled with a wired remote controller.



Set the indoor unit number using DIP switch on indoor unit circuit board.

Simultaneous Operation Multi type Indoor Unit Line up

	Twin			Triple
	18x2	22x2	24x2	18x3
Cassette	RCG18LV×2	RCG22LV×2	RCG24LV×2	RCG18LV×3
Duct	RDG18LL×2	RDG22LM×2	RDG24LM×2	RDG18LL×3
Ceiling	RYG18LV×2	RYG22LV×2	RYG24LV×2	RYG18LV×3
Outdoor unit	ROG36LBTB / ROG36LATT	ROG45LBTB / ROG45LATT	ROG54LBTB / ROG54LATT	

Model : ROG36LBTB / ROG45LBTB / ROG54LBTB NEW
ROG36LATT [3phase] / ROG45LATT [3phase] / ROG54LATT [3phase]



Specifications

Model No.	Indoor unit			Compact Cassette		
				RCG18LVLB	RCG22LVLA	RCG24LVLA
Power Source				Single-phase, ~230V, 50Hz		
Airflow Rate (High)	Cooling	H/M/L/Q	m^3/h	680/580/490/410	930/830/600/450	930/830/600/450
Net Dimension H × W × D			mm	245×570×570	245×570×570	245×570×570
Weight			kg(lbs)	15 (33)	16 (35)	16 (35)
Cassette Grille				UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W

Model No.	Indoor unit			Duct			Floor/Ceiling Universal		
				RDG18LLTB	RDG22LMLA	RDG24LMLA	RYG18LVTB	RYG22LVTA	RYG24LVTA
Power Source				Single-phase, ~230V, 50Hz			Single-phase, ~230V, 50Hz		
Airflow Rate (High)	Cooling	H/M/L/Q	m^3/h	940/880/820/750	1100/910/750/580		780/700/560/500	980/820/680/540	
Net Dimension H × W × D			mm	198 × 900 × 620	270 × 1135 × 700		199 × 990 × 655	199 × 990 × 655	
Weight			kg(lbs)	23 (51)	38 (84)		27 (60)	27 (60)	

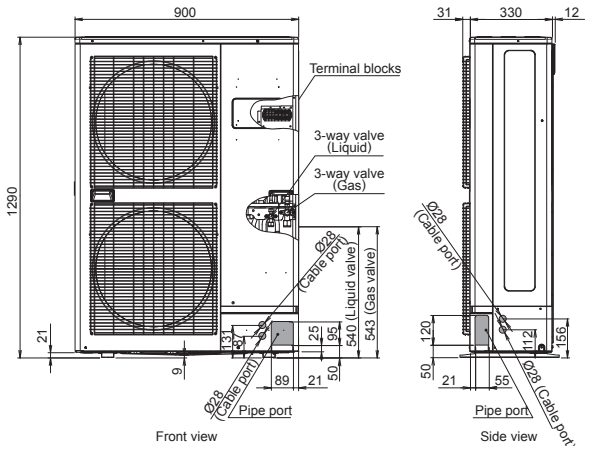
Model No.	Outdoor unit			ROG36LBTB	ROG45LBTB	ROG54LBTB	ROG36LATT	ROG45LATT	ROG54LATT
Capacity	Cooling		kW	10.0	12.1	13.3	10.0	12.5	14.0
	Heating			11.2	14.0	15.0	11.2	14.0	16.0
Power Source				Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Pdesign	Cooling		kW	10.0	-	-	10.0	-	-
	Heating (-10°C)			10.0	-	-	10.0	-	-
SEER	Cooling		W/W	5.56	-	-	6.00	-	-
SCOP	Heating			3.90	-	-	4.00	-	-
Annual Energy Consumption	Cooling		kWh/a	629	-	-	583	-	-
	Heating			3588	-	-	3499	-	-
Energy Efficiency Class	Cooling			A	-	-	A+	-	-
	Heating			A	-	-	A+	-	-
Sound Pressure Level (High)	Cooling		dB(A)	52	54	55	51	54	55
Sound Power Level (High)	Heating			69	70	72	69	69	71
Net Dimension H × W × D			mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
Weight			kg(lbs)	93(205)	93(205)	93(205)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)			m	75(30)	75(30)	75(30)	75(30)	75(30)	75(30)
Height Difference				30	30	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	3,450	3,450	3,450	3,450	3,450	3,450
Separation tube				UTP-SX236A(Twin)	UTP-SX254A(Twin)	UTP-SX254A(Twin)/ UTP-SX354A(Triple)	UTP-SX236A (Twin)	UTP-SX254A (Twin)	UTP-SX254A (Twin) / UTP-SX354A (Triple)

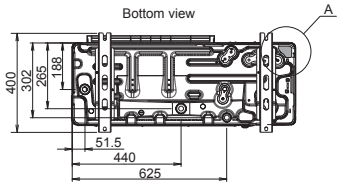
*Different type and capacity indoor units can not be connected .
*The above table is the value for connecting with cassette type.

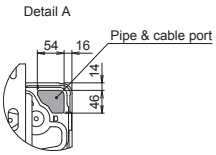
Dimensions

(Unit : mm)

Outdoor Unit: ROG36LBTB / ROG36LATT / ROG45LBTB / ROG45LATT / ROG54LBTB / ROG54LATT







Multi Combination Table

2 Rooms Multi cooling

ROG14LAC2	Combination of Indoor Unit		COOLING OPERATION							
			Cooling Capacity			Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	7	7	2.00	2.00	4.00 (1.4 - 4.4)	1.09 (0.35 - 1.40)	3.67	4.0	6.7	A++
	7	9	1.95	2.05	4.00 (1.4 - 4.4)	1.09 (0.35 - 1.40)	3.67	4.0	6.6	A++
	7	12	1.65	2.35	4.00 (1.4 - 4.6)	1.05 (0.35 - 1.47)	3.81	4.0	6.5	A++
	9	9	2.00	2.00	4.00 (1.4 - 4.5)	1.09 (0.35 - 1.43)	3.67	4.0	6.6	A++
	9	12	1.70	2.30	4.00 (1.4 - 4.7)	1.05 (0.35 - 1.47)	3.81	4.0	6.5	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27ºCDB/19ºCWB (indoor temperature), 35ºCDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected a indoor unit is up to 21000Btu from 14000Btu.

ROG18LAC2	Combination of Indoor Unit		COOLING OPERATION							
			Cooling Capacity			Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	7	7	2.10	2.10	4.20 (1.7 - 5.2)	1.24 (0.35 - 1.68)	3.39	4.2	7.0	A++
	7	9	2.10	2.50	4.60 (1.7 - 5.3)	1.26 (0.35 - 1.79)	3.65	4.6	6.8	A++
	7	12	1.90	3.10	5.00 (1.7 - 5.6)	1.55 (0.35 - 1.95)	3.23	5.0	6.5	A++
	7	14	1.80	3.20	5.00 (1.8 - 5.7)	1.55 (0.40 - 1.99)	3.23	5.0	6.5	A++
	9	9	2.50	2.50	5.00 (1.7 - 5.6)	1.56 (0.35 - 1.95)	3.21	5.0	6.6	A++
	9	12	2.10	2.90	5.00 (1.7 - 5.7)	1.55 (0.35 - 1.95)	3.23	5.0	6.5	A++
	9	14	2.00	3.00	5.00 (1.8 - 5.8)	1.55 (0.40 - 1.99)	3.23	5.0	6.4	A++
	12	12	2.50	2.50	5.00 (1.7 - 5.8)	1.56 (0.35 - 1.99)	3.21	5.0	6.4	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27ºCDB/19ºCWB (indoor temperature), 35ºCDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected a indoor unit is up to 24000Btu from 14000Btu.
•Where “14” means “wall mounted type” only models. Other types of indoor units can not be connected.

3 Rooms Multi cooling

ROG18LAT3	Combination of Indoor Unit			COOLING OPERATION							
				Cooling Capacity				Input Power (min-max)	EER	Seasonal Data		
				Room 1	Room 2	Room 3	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
				kW	kW	kW	kW	kW		kW		
2 Room	7	7	-	2.30	2.30	-	4.60 (1.8 - 5.0)	1.22 (0.50 - 1.43)	3.77	4.6	6.3	A++
	7	9	-	2.30	2.70	-	5.00 (1.8 - 5.7)	1.35 (0.50 - 1.81)	3.70	5.0	6.2	A++
	7	12	-	1.98	3.02	-	5.00 (1.8 - 6.1)	1.34 (0.50 - 2.06)	3.73	5.0	6.2	A++
	7	14	-	1.88	3.42	-	5.30 (1.8 - 6.6)	1.34 (0.50 - 2.06)	3.96	5.3	6.1	A++
	9	9	-	2.50	2.50	-	5.00 (1.8 - 6.2)	1.35 (0.50 - 2.06)	3.70	5.0	6.2	A++
	9	12	-	2.18	2.82	-	5.00 (1.8 - 6.3)	1.35 (0.50 - 2.06)	3.70	5.0	6.2	A++
	9	14	-	2.07	3.23	-	5.30 (1.8 - 6.7)	1.35 (0.50 - 2.06)	3.93	5.3	6.1	A++
	12	12	-	2.55	2.55	-	5.10 (1.8 - 6.3)	1.35 (0.50 - 2.06)	3.78	5.1	6.1	A++
	12	14	-	2.41	2.89	-	5.30 (1.8 - 6.7)	1.35 (0.50 - 2.06)	3.93	5.3	6.1	A++
3 Room	7	7	7	1.80	1.80	1.80	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.9	A++
	7	7	9	1.70	1.70	2.00	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.9	A++
	7	7	12	1.53	1.53	2.33	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.7	A++
	7	7	14	1.41	1.41	2.58	5.40 (2.0 - 6.8)	1.35 (0.60 - 2.06)	4.00	5.4	6.7	A++
	7	9	9	1.61	1.89	1.89	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.8	A++
	7	9	12	1.46	1.72	2.22	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.7	A++
	7	9	14	1.35	1.58	2.47	5.40 (2.0 - 6.8)	1.35 (0.60 - 2.06)	4.00	5.4	6.7	A++
	9	9	9	1.80	1.80	1.80	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.8	A++
	9	9	12	1.64	1.64	2.12	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.7	A++

ROG24LAT3	Combination of Indoor Unit			COOLING OPERATION							
				Cooling Capacity				Input Power (min-max)	EER	Seasonal Data		
				Room 1	Room 2	Room 3	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
				kW	kW	kW	kW	kW		kW		
2 Room	7	7	-	2.30	2.30	-	4.60 (1.8 - 5.0)	1.20 (0.50 - 1.40)	3.83	4.6	6.3	A++
	7	9	-	2.30	2.70	-	5.00 (1.8 - 5.7)	1.36 (0.50 - 1.78)	3.68	5.0	6.2	A++
	7	12	-	2.38	3.42	-	5.80 (1.8 - 6.1)	1.70 (0.50 - 1.97)	3.41	5.8	6.1	A++
	7	14	-	2.37	4.13	-	6.50 (1.8 - 7.2)	1.91 (0.50 - 2.46)	3.40	6.5	6.0	A+
	7	18	-	2.08	4.52	-	6.60 (1.8 - 7.8)	1.91 (0.50 - 2.87)	3.46	6.6	5.9	A+
	9	9	-	2.75	2.75	-	5.50 (1.8 - 6.2)	1.55 (0.50 - 2.02)	3.55	5.5	6.1	A++
	9	12	-	2.79	3.41	-	6.20 (1.8 - 6.8)	1.90 (0.50 - 2.45)	3.26	6.2	5.9	A+
	9	14	-	2.66	3.94	-	6.60 (1.8 - 7.7)	1.91 (0.50 - 2.77)	3.46	6.6	6.0	A+
	9	18	-	2.35	4.35	-	6.70 (1.8 - 7.9)	1.91 (0.50 - 2.87)	3.51	6.7	5.9	A+
	12	12	-	3.15	3.15	-	6.30 (1.8 - 7.2)	1.90 (0.50 - 2.74)	3.32	6.3	5.9	A+
	12	14	-	3.03	3.67	-	6.70 (1.8 - 7.8)	1.91 (0.50 - 2.87)	3.51	6.7	5.9	A+
	12	18	-	2.66	4.04	-	6.70 (1.8 - 7.9)	1.92 (0.50 - 2.87)	3.49	6.7	5.8	A+
3 Room	7	7	7	2.23	2.23	2.23	6.70 (1.8 - 7.4)	1.89 (0.50 - 2.37)	3.54	6.7	6.4	A++
	7	7	9	2.14	2.14	2.52	6.80 (1.8 - 7.8)	1.94 (0.60 - 2.87)	3.51	6.8	6.4	A++
	7	7	12	1.98	1.98	2.84	6.80 (1.8 - 8.1)	1.93 (0.50 - 2.87)	3.52	6.8	6.3	A++
	7	7	14	1.82	1.82	3.16	6.80 (2.0 - 8.4)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	7	7	18	1.63	1.63	3.54	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.1	A++
	7	9	9	2.03	2.38	2.38	6.80 (1.8 - 8.2)	1.93 (0.50 - 2.87)	3.52	6.8	6.4	A++
	7	9	12	1.88	2.21	2.70	6.80 (1.8 - 8.2)	1.93 (0.50 - 2.87)	3.52	6.8	6.2	A++
	7	9	14	1.74	2.04	3.02	6.80 (2.0 - 8.4)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	7	9	18	1.56	1.84	3.40	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.1	A++
	7	12	12	1.76	2.52	2.52	6.80 (1.8 - 8.2)	1.94 (0.50 - 2.87)	3.51	6.8	6.2	A++
	7	12	14	1.63	2.34	2.83	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	9	9	9	2.27	2.27	2.27	6.80 (1.8 - 8.2)	1.94 (0.50 - 2.87)	3.51	6.8	6.4	A++
	9	9	12	2.11	2.11	2.58	6.80 (1.8 - 8.3)	1.94 (0.50 - 2.87)	3.51	6.8	6.2	A++
	9	9	14	1.95	1.95	2.89	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	9	9	18*1	1.77	1.77	3.27	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.1	A++
	9	12	12	1.97	2.41	2.41	6.80 (1.8 - 8.3)	1.94 (0.50 - 2.87)	3.51	6.8	6.2	A++
	9	12	14	1.84	2.24	2.72	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	12	12	12	2.27	2.27	2.27	6.80 (1.8 - 8.3)	1.94 (0.50 - 2.87)	3.51	6.8	6.1	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27ºCDB/19ºCWB (indoor temperature), 35ºCDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The total ability of connectable indoor units is up to 36000Btu from 14000Btu.
*1: When RSG18L is connected, connect at least 1 wall mounted type of 9000Btu.

2 Rooms Multi heating

ROG14LAC2	Combination of Indoor Unit		HEATING OPERATION							
			Heating Capacity			Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	7	7	2.20	2.20	4.40 (1.1 - 5.4)	1.03 (0.25 - 1.78)	4.27	3.8	4.1	A+
	7	9	2.15	2.25	4.40 (1.1 - 5.4)	1.03 (0.25 - 1.78)	4.27	3.8	4.1	A+
	7	12	1.95	2.45	4.40 (1.1 - 5.5)	1.02 (0.25 - 1.76)	4.31	3.8	4.0	A+
	9	9	2.20	2.20	4.40 (1.1 - 5.4)	1.03 (0.25 - 1.78)	4.27	3.8	4.0	A+
	9	12	2.00	2.40	4.40 (1.1 - 5.5)	1.02 (0.25 - 1.76)	4.31	3.8	4.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20ºCDB (indoor temperature), 7ºCDB/6ºCWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected a indoor unit is up to 21000Btu from 14000Btu.

ROG18LAC2	Combination of Indoor Unit		HEATING OPERATION							
			Heating Capacity			Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	7	7	2.70	2.70	5.40 (1.8 - 6.0)	1.24 (0.50 - 1.61)	4.37	3.8	4.1	A+
	7	9	2.50	3.00	5.50 (1.8 - 6.0)	1.36 (0.50 - 1.87)	4.04	4.0	4.1	A+
	7	12	2.30	3.30	5.60 (1.8 - 6.1)	1.38 (0.50 - 1.88)	4.06	4.2	4.0	A+
	7	14	2.25	3.35	5.60 (1.9 - 6.2)	1.35 (0.55 - 1.86)	4.15	4.2	4.0	A+
	9	9	2.80	2.80	5.60 (1.8 - 6.1)	1.41 (0.50 - 1.90)	3.97	4.2	4.1	A+
	9	12	2.45	3.15	5.60 (1.8 - 6.2)	1.38 (0.50 - 1.88)	4.07	4.2	4.0	A+
	9	14	2.35	3.25	5.60 (1.9 - 6.3)	1.35 (0.55 - 1.86)	4.15	4.2	4.0	A+
	12	12	2.80	2.80	5.60 (1.8 - 6.3)	1.34 (0.50 - 1.84)	4.18	4.2	4.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20ºCDB (indoor temperature), 7ºCDB/6ºCWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected a indoor unit is up to 24000Btu from 14000Btu.
•Where “14” means “wall mounted type” only models. Other types of indoor units can not be connected.

3 Rooms Multi heating

ROG18LAT3	Combination of Indoor Unit			HEATING OPERATION							
				Heating Capacity				Input Power (min-max)	EER	Seasonal Data		
				Room 1	Room 2	Room 3	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
				kW	kW	kW	kW	kW		kW		
2 Room	7	7	-	2.70	2.70	-	5.40 (2.0 - 6.1)	1.59 (0.52 - 1.93)	3.40	4.0	4.1	A+
	7	9	-	2.75	3.25	-	6.00 (2.0 - 6.4)	1.87 (0.52 - 2.06)	3.21	4.0	4.1	A+
	7	12	-	2.59	3.71	-	6.30 (2.0 - 6.5)	1.98 (0.52 - 2.06)	3.18	4.0	4.1	A+
	7	14	-	2.51	4.29	-	6.80 (2.0 - 7.1)	1.92 (0.50 - 2.06)	3.54	4.0	4.1	A+
	9	9	-	3.15	3.15	-	6.30 (2.0 - 6.5)	1.98 (0.52 - 2.06)	3.18	4.0	4.1	A+
	9	12	-	2.89	3.51	-	6.40 (2.0 - 6.6)	1.99 (0.52 - 2.06)	3.22	4.0	4.1	A+
	9	14	-	2.77	4.03	-	6.80 (2.0 - 7.2)	1.91 (0.50 - 2.06)	3.56	4.0	4.1	A+
	12	12	-	3.20	3.20	-	6.40 (2.0 - 6.6)	1.98 (0.52 - 2.06)	3.23	4.0	4.1	A+
	12	14	-	3.09	3.71	-	6.80 (2.0 - 7.3)	1.90 (0.50 - 2.06)	3.58	4.0	4.1	A+
3 Room	7	7	7	2.27	2.27	2.27	6.80 (2.0 - 7.7)	1.62 (0.50 - 2.06)	4.20	5.0	4.3	A+
	7	7	9	2.14	2.14	2.52	6.80 (2.0 - 7.8)	1.62 (0.50 - 2.06)	4.20	5.0	4.3	A+
	7	7	12	1.98	1.98	2.83	6.80 (2.0 - 7.8)	1.59 (0.50 - 2.06)	4.28	5.0	4.3	A+
	7	7	14	1.83	1.83	3.14	6.80 (2.0 - 8.0)	1.61 (0.50 - 2.06)	4.22	5.0	4.3	A+
	7	9	9	2.03	2.39	2.39	6.80 (2.0 - 7.8)	1.60 (0.50 - 2.06)	4.25	5.0	4.3	A+
	7	9	12	1.89	2.22	2.69	6.80 (2.0 - 7.9)	1.59 (0.50 - 2.06)	4.28	5.0	4.3	A+
	7	9	14	1.75	2.06	2.99	6.80 (2.0 - 8.0)	1.60 (0.50 - 2.06)	4.25	5.0	4.3	A+
	9	9	9	2.27	2.27	2.27	6.80 (2.0 - 7.9)	1.59 (0.50 - 2.06)	4.28	5.0	4.3	A+
	9	9	12	2.12	2.12	2.57	6.80 (2.0 - 7.9)	1.59 (0.50 - 2.06)	4.28	5.0	4.3	A+

ROG24LAT3	Combination of Indoor Unit			HEATING OPERATION							
				Heating Capacity				Input Power (min-max)	EER	Seasonal Data		
				Room 1	Room 2	Room 3	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
				kW	kW	kW	kW	kW		kW		
2 Room	7	7	-	2.75	2.75	-	5.50 (2.0 - 6.1)	1.55 (0.52 - 1.93)	3.55	4.0	4.1	A+
	7	9	-	2.80	3.30	-	6.10 (2.0 - 7.0)	1.82 (0.52 - 2.52)	3.35	4.0	4.1	A+
	7	12	-	2.88	4.12	-	7.00 (2.0 - 7.3)	2.31 (0.52 - 2.66)	3.03	4.0	4.1	A+
	7	14	-	2.80	4.80	-	7.60 (2.0 - 8.3)	2.28 (0.50 - 2.87)	3.33	4.0	4.1	A+
	7	18	-	2.51	5.39	-	7.90 (2.0 - 8.3)	2.34 (0.50 - 2.87)	3.38	4.0	4.1	A+
	9	9	-	3.30	3.30	-	6.60 (2.0 - 7.4)	2.04 (0.52 - 2.68)	3.24	4.0	4.1	A+
	9	12	-	3.30	4.00	-	7.30 (2.0 - 7.7)	2.43 (0.52 - 2.87)	3.00	4.0	4.1	A+
	9	14	-	3.22	4.68	-	7.90 (2.0 - 8.3)	2.38 (0.50 - 2.87)	3.32	4.0	4.1	A+
	9	18	-	2.84	5.16	-	8.00 (2.0 - 8.5)	2.32 (0.50 - 2.87)	3.45	4.0	4.1	A+
	12	12	-	3.80	3.80	-	7.60 (2.0 - 7.8)	2.54 (0.52 - 2.87)	2.99	4.0	4.1	A+
	12	14	-	3.59	4.31	-	7.90 (2.0 - 8.4)	2.37 (0.50 - 2.87)	3.33	4.0	4.1	A+
	12	18	-	3.20	4.80	-	8.00 (2.0 - 8.6)	2.31 (0.50 - 2.87)	3.46	4.0	4.1	A+
3 Room	7	7	7	2.60	2.60	2.60	7.80 (2.0 - 8.6)	1.94 (0.50 - 2.68)	4.02	5.0	4.3	A+
	7	7	9	2.52	2.52	2.96	8.00 (2.0 - 8.8)	2.00(0.50 - 2.87)	4.00	5.2	4.2	A+
	7	7	12	2.34	2.34	3.32	8.00 (2.0 - 8.9)	1.99 (0.50 - 2.80)	4.02	5.2	4.2	A+
	7	7	14	2.16	2.16	3.68	8.00 (2.0 - 9.2)	1.91 (0.50 - 2.72)	4.19	5.2	4.2	A+
	7	7	18	1.94	1.94	4.12	8.00 (2.0 - 9.2)	1.89 (0.50 - 2.70)	4.23	5.2	4.2	A+
	7	9	9	2.38	2.81	2.81	8.00(2.0 - 9.0)	1.99 (0.50 - 2.87)	4.02	5.2	4.2	A+
	7	9	12	2.23	2.62	3.15	8.00 (2.0 - 9.1)	1.98 (0.50 - 2.87)	4.04	5.2	4.2	A+
	7	9	14	2.06	2.42	3.52	8.00 (2.0 - 9.2)	1.91 (0.50 - 2.72)	4.19	5.2	4.2	A+
	7	9	18	1.85	2.18	3.97	8.00 (2.0 - 9.2)	1.89 (0.50 - 2.69)	4.23	5.2	4.2	A+
	7	12	12	2.08	2.96	2.96	8.00 (2.0 - 9.1)	1.97 (0.50 - 2.87)	4.06	5.2	4.2	A+
	7	12	14	1.93	2.76	3.31	8.00 (2.0 - 9.2)	1.90 (0.50 - 2.70)	4.21	5.2	4.2	A+
	9	9	9	2.67	2.67	2.67	8.00 (2.0 - 9.1)	1.98 (0.50 - 2.87)	4.04	5.2	4.2	A+
	9	9	12	2.49	2.49	3.02	8.00 (2.0 - 9.2)	1.97 (0.50 - 2.87)	4.06	5.2	4.2	A+
	9	9	14	2.32	2.32	3.37	8.00 (2.0 - 9.2)	1.89 (0.50 - 2.70)	4.23	5.2	4.2	A+
	9	9	18*1	2.10	2.10	3.81	8.00 (2.0 - 9.2)	1.87 (0.50 - 2.68)	4.28	5.2	4.2	A+
	9	12	12	2.34	2.83	2.83	8.00 (2.0 - 9.2)	1.96 (0.50 - 2.80)	4.08	5.2	4.2	A+
	9	12	14	2.18	2.64	3.17	8.00 (2.0 - 9.2)	1.89 (0.50 - 2.69)	4.23	5.2	4.2	A+
	12	12	12	2.67	2.67	2.67	8.00 (2.0 - 9.2)	1.95 (0.50 - 2.78)	4.10	5.2	4.2	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20ºCDB (indoor temperature), 7ºCDB/6ºCWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected a indoor unit is up to 36000Btu from 14000Btu.
*1: When RSG18L is connected, connect at least 1 wall mounted type for 9000Btu.

4 Rooms Multi cooling

ROG30LAT4	Combination of Indoor Unit				COOLING OPERATION									
					Cooling Capacity					Input Power (min-max)	EER	Seasonal Data		
					Room 1	Room 2	Room 3	Room 4	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
					kW	kW	kW	kW	kW	kW		kW		
3 Room	7	7	14	-	1.96	1.96	3.27	-	7.20 (1.6 - 8.9)	2.22 (0.68 - 3.43)	3.24	7.2	5.9	A+
	7	7	18	-	1.81	1.81	4.08	-	7.70 (2.8 - 10.0)	2.22 (0.98 - 3.55)	3.47	7.7	5.8	A+
	7	7	24	-	1.61	1.61	4.57	-	7.80 (2.8 - 10.1)	2.19 (0.98 - 3.53)	3.56	7.8	5.8	A+
	7	9	12	-	2.08	2.34	2.78	-	7.20 (1.6 - 8.9)	2.22 (0.68 - 3.41)	3.24	7.2	5.9	A+
	7	9	14	-	1.90	2.14	3.16	-	7.20 (2.8 - 9.1)	2.22 (0.98 - 3.56)	3.24	7.2	5.9	A+
	7	9	18	-	1.76	1.98	3.96	-	7.70 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.47	7.7	5.8	A+
	7	9	24	-	1.57	1.77	4.46	-	7.80 (2.8 - 10.1)	2.19 (0.98 - 3.53)	3.56	7.8	5.8	A+
	7	12	12	-	1.96	2.62	2.62	-	7.20 (1.6 - 9.1)	2.22 (0.68 - 3.54)	3.24	7.2	5.9	A+
	7	12	14	-	1.83	2.43	3.04	-	7.30 (2.8 - 9.2)	2.22 (0.98 - 3.56)	3.29	7.3	5.9	A+
	7	12	18	-	1.68	2.24	3.78	-	7.70 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.47	7.7	5.8	A+
	7	12	24	-	1.51	2.01	4.28	-	7.80 (2.8 - 10.1)	2.19 (0.98 - 3.56)	3.56	7.8	5.8	A+
	7	14	14	-	1.68	2.81	2.81	-	7.30 (2.8 - 9.3)	2.22 (0.98 - 3.58)	3.29	7.3	5.9	A+
	7	14	18	-	1.57	2.61	3.52	-	7.70 (3.5 - 10.0)	2.22 (1.17 - 3.58)	3.47	7.7	5.8	A+
	7	14	24	-	1.44	2.39	4.07	-	7.90 (3.5 - 10.1)	2.20 (1.17 - 3.58)	3.59	7.9	5.8	A+
	7	18	18	-	1.42	3.19	3.19	-	7.80 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.51	7.8	5.7	A+
	7	18	24	-	1.30	2.92	3.68	-	7.90 (4.7 - 10.1)	2.22 (1.27 - 3.58)	3.56	7.9	5.7	A+
	9	9	9	-	2.40	2.40	2.40	-	7.20 (2.8 - 8.9)	2.22 (0.98 - 3.42)	3.24	7.2	5.9	A+
	9	9	12	-	2.26	2.26	2.68	-	7.20 (2.8 - 9.1)	2.22 (0.98 - 3.54)	3.24	7.2	5.9	A+
	9	9	14	-	2.10	2.10	3.11	-	7.30 (2.8 - 9.2)	2.22 (0.98 - 3.57)	3.29	7.3	5.9	A+
	9	9	18	-	1.93	1.93	3.85	-	7.70 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.47	7.7	5.8	A+
	9	9	24	-	1.73	1.73	4.35	-	7.80 (2.8 - 10.1)	2.20 (1.17 - 3.54)	3.55	7.8	5.8	A+
	9	12	12	-	2.14	2.53	2.53	-	7.20 (2.8 - 9.1)	2.22 (0.98 - 3.54)	3.24	7.2	5.9	A+
	9	12	14	-	1.99	2.36	2.95	-	7.30 (2.8 - 9.2)	2.22 (0.98 - 3.57)	3.29	7.3	5.9	A+
	9	12	18	-	1.84	2.18	3.68	-	7.70 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.47	7.7	5.8	A+
	9	12	24	-	1.66	1.97	4.18	-	7.80 (2.8 - 10.1)	2.19 (0.98 - 3.56)	3.56	7.8	5.8	A+
	9	14	14	-	1.84	2.73	2.73	-	7.30 (3.5 - 9.3)	2.22 (1.17 - 3.58)	3.29	7.3	5.9	A+
	9	14	18	-	1.74	2.58	3.48	-	7.80 (3.5 - 10.0)	2.22 (1.17 - 3.58)	3.51	7.8	5.8	A+
	9	14	24	-	1.58	2.34	3.98	-	7.90 (3.5 - 10.1)	2.22 (1.27 - 3.56)	3.56	7.9	5.8	A+
	9	18	18	-	1.56	3.12	3.12	-	7.80 (4.7 - 10.1)	2.22 (1.27 - 3.58)	3.51	7.8	5.7	A+
	12	12	12	-	2.43	2.43	2.43	-	7.30 (2.8 - 9.2)	2.22 (0.98 - 3.55)	3.29	7.3	5.9	A+
	12	12	14	-	2.28	2.28	2.85	-	7.40 (2.8 - 9.3)	2.22 (0.98 - 3.58)	3.33	7.4	5.9	A+
	12	12	18	-	2.12	2.12	3.57	-	7.80 (3.5 - 10.0)	2.22 (1.17 - 3.57)	3.51	7.8	5.8	A+
	12	12	24	-	1.92	1.92	4.07	-	7.90 (3.5 - 10.1)	2.20 (1.17 - 3.54)	3.59	7.9	5.8	A+
	12	14	14	-	2.11	2.64	2.64	-	7.40 (3.5 - 9.4)	2.22 (1.17 - 3.58)	3.33	7.4	5.9	A+
	12	14	18	-	1.98	2.48	3.34	-	7.80 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.51	7.8	5.8	A+
	12	18	18	-	1.81	3.05	3.05	-	7.90 (4.7 - 10.1)	2.22 (1.27 - 3.58)	3.56	7.9	5.7	A+
4 Room	7	7	7	7	1.93	1.93	1.93	1.93	7.70 (1.6 - 9.6)	2.20 (0.68 - 3.41)	3.50	7.7	6.2	A++
	7	7	7	9	1.89	1.89	1.89	2.13	7.80 (1.6 - 9.8)	2.22 (0.68 - 3.54)	3.51	7.8	6.2	A++
	7	7	7	12	1.83	1.83	1.83	2.41	7.90 (1.6 - 9.9)	2.22 (0.68 - 3.54)	3.56	7.9	6.1	A++
	7	7	7	14	1.70	1.70	1.70	2.80	7.90 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.56	7.9	6.1	A++
	7	7	7	18	1.52	1.52	1.52	3.43	8.00 (2.8 - 10.1)	2.20 (0.98 - 3.55)	3.64	8.0	6.0	A+
	7	7	9	9	1.86	1.86	2.09	2.09	7.90 (2.8 - 9.7)	2.22 (0.98 - 3.42)	3.56	7.9	6.2	A++
	7	7	9	12	1.78	1.78	1.99	2.35	7.90 (2.8 - 9.9)	2.22 (0.98 - 3.55)	3.56	7.9	6.1	A++
	7	7	9	14	1.68	1.68	1.88	2.76	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.57)	3.60	8.0	6.1	A++
	7	7	9	18	1.49	1.49	1.67	3.35	8.00 (3.5 - 10.1)	2.20 (1.17 - 3.55)	3.64	8.0	6.0	A+
	7	7	12	12	1.72	1.72	2.28	2.28	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.55)	3.60	8.0	6.1	A++
	7	7	12	14	1.61	1.61	2.13	2.65	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.57)	3.60	8.0	6.1	A++
	7	7	12	18	1.43	1.43	1.91	3.22	8.00 (3.5 - 10.1)	2.20 (1.17 - 3.56)	3.64	8.0	6.0	A+
	7	7	14	14	1.50	1.50	2.50	2.50	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	7	14	18	1.35	1.35	2.25	3.04	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	9	9	9	1.81	2.03	2.03	2.03	7.90 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.56	7.9	6.2	A++
	7	9	9	12	1.76	1.96	1.96	2.32	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.56)	3.60	8.0	6.1	A++
	7	9	9	14	1.64	1.83	1.83	2.70	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.1	A++
	7	9	9	18	1.45	1.64	1.64	3.27	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	7	9	12	12	1.68	1.88	2.22	2.22	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.56)	3.60	8.0	6.1	A++
	7	9	12	14	1.57	1.76	2.08	2.59	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	9	12	18	1.40	1.58	1.87	3.15	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	7	9	14	14	1.48	1.66	2.43	2.43	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	9	14	18	1.32	1.49	2.21	2.98	8.00 (4.7 - 10.1)	2.22 (1.27 - 3.57)	3.60	8.0	6.0	A+
	7	12	12	12	1.61	2.13	2.13	2.13	8.00 (2.8 - 10.1)	2.22 (0.98 - 3.56)	3.60	8.0	6.0	A+
	7	12	12	14	1.51	2.00	2.00	2.49	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	12	12	18	1.35	1.80	1.80	3.04	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	7	12	14	14	1.41	1.89	2.35	2.35	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	9	9	9	9	2.00	2.00	2.00	2.00	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.2	A++
	9	9	9	12	1.91	1.91	1.91	2.27	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.1	A++
	9	9	9	14	1.79	1.79	1.79	2.63	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	9	18*1	1.60	1.60	1.60	3.20	8.00 (4.7 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	12	12	1.83	1.83	2.17	2.17	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	12	14	1.72	1.72	2.03	2.53	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	12	18*2	1.54	1.54	1.83	3.09	8.00 (4.7 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	14	14	1.62	1.62	2.38	2.38	8.00 (4.7 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	12	12	12	1.76	2.08	2.08	2.08	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	12	12	14	1.66	1.95	1.95	2.44	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	12	14	14	1.55	1.85	2.30	2.30	8.00 (4.7 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	12	12	12	12	2.00	2.00	2.00	2.00	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•3 or more indoor units should be connected.
•Cooling capacity is based on 27ºCDB/19ºCWB (indoor temperature), 35ºCDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected a indoor unit is up to 49000Btu from 27000Btu.
*1: Connection of RSG18L + RDG09L + RDG09L + RDG09L is not available. All types other than this combination can be connected.
*2: Connection of RSG18L + RDG12L + RDG09L + RDG09L is not available. All types other than this combination can be connected.

4 Rooms Multi heating

ROG30LAT4	Combination of Indoor Unit				HEATING OPERATION							Seasonal Data		
					Heating Capacity					Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class
					Room 1	Room 2	Room 3	Room 4	Total Capacity (min-max)					
					kW	kW	kW	kW	kW	kW		kW		
3 Room	7	7	14	-	2.42	2.42	4.15	-	9.00 (1.8 - 10.1)	2.66 (0.58 - 3.53)	3.38	5.8	3.8	A
	7	7	18	-	2.27	2.27	4.86	-	9.40 (3.3 - 11.2)	2.46 (0.87 - 3.52)	3.82	5.8	3.8	A
	7	7	24	-	2.03	2.03	5.44	-	9.50 (3.3 - 11.5)	2.47 (0.87 - 3.52)	3.85	5.8	3.8	A
	7	9	12	-	2.49	2.94	3.56	-	9.00 (1.8 - 10.0)	2.69 (0.58 - 3.51)	3.35	5.8	3.8	A
	7	9	14	-	2.33	2.75	4.00	-	9.10 (3.3 - 10.2)	2.64 (0.87 - 3.50)	3.45	5.8	3.8	A
	7	9	18	-	2.17	2.56	4.66	-	9.40 (3.3 - 11.3)	2.45 (0.87 - 3.50)	3.84	5.8	3.8	A
	7	9	24	-	1.98	2.33	5.29	-	9.60 (3.3 - 11.5)	2.46 (0.87 - 3.51)	3.90	5.8	3.8	A
	7	12	12	-	2.33	3.33	3.33	-	9.00 (1.8 - 10.1)	2.66 (0.58 - 3.48)	3.38	5.8	3.8	A
	7	12	14	-	2.22	3.17	3.80	-	9.20 (3.3 - 10.3)	2.62 (0.87 - 3.48)	3.51	5.8	3.8	A
	7	12	18	-	2.08	2.97	4.45	-	9.50 (3.3 - 11.4)	2.44 (0.87 - 3.47)	3.89	5.8	3.8	A
	7	12	24	-	1.88	2.69	5.03	-	9.60 (3.3 - 11.7)	2.45 (0.87 - 3.56)	3.92	5.8	3.8	A
	7	14	14	-	2.10	3.60	3.60	-	9.30 (3.3 - 10.6)	2.59 (0.87 - 3.48)	3.59	5.8	3.8	A
	7	14	18	-	1.96	3.35	4.19	-	9.50 (3.7 - 11.5)	2.42 (0.97 - 3.52)	3.93	5.8	3.8	A
	7	14	24	-	1.78	3.05	4.77	-	9.60 (3.3 - 11.7)	2.45 (0.87 - 3.56)	3.92	5.8	3.8	A
	7	18	18	-	1.82	3.89	3.89	-	9.60 (3.7 - 12.0)	2.40 (0.97 - 3.52)	4.00	5.8	3.8	A
	7	18	24	-	1.65	3.53	4.42	-	9.60 (4.3 - 12.0)	2.40 (1.12 - 3.52)	4.00	5.8	3.8	A
	9	9	9	-	3.00	3.00	3.00	-	9.00 (3.3 - 10.0)	2.69 (0.87 - 3.51)	3.35	5.8	3.8	A
	9	9	12	-	2.80	2.80	3.39	-	9.00 (3.3 - 10.1)	2.67 (0.87 - 3.48)	3.37	5.8	3.8	A
	9	9	14	-	2.66	2.66	3.87	-	9.20 (3.3 - 10.3)	2.63 (0.87 - 3.48)	3.50	5.8	3.8	A
	9	9	18	-	2.49	2.49	4.52	-	9.50 (3.7 - 11.4)	2.44 (0.97 - 3.48)	3.89	5.8	3.8	A
	9	9	24	-	2.25	2.25	5.11	-	9.60 (3.7 - 11.7)	2.45 (0.97 - 3.57)	3.92	5.8	3.8	A
	9	12	12	-	2.65	3.22	3.22	-	9.10 (3.3 - 10.3)	2.65 (0.87 - 3.52)	3.43	5.8	3.8	A
	9	12	14	-	2.53	3.07	3.69	-	9.30 (3.3 - 10.5)	2.61 (0.87 - 3.52)	3.56	5.8	3.8	A
	9	12	18	-	2.36	2.86	4.29	-	9.50 (3.7 - 11.4)	2.43 (0.97 - 3.47)	3.91	5.8	3.8	A
	9	12	24	-	2.14	2.59	4.86	-	9.60 (3.7 - 11.8)	2.44 (0.97 - 3.55)	3.93	5.8	3.8	A
	9	14	14	-	2.38	3.46	3.46	-	9.30 (3.7 - 10.7)	2.58 (0.97 - 3.46)	3.60	5.8	3.8	A
	9	14	18	-	2.22	3.23	4.04	-	9.50 (3.7 - 11.6)	2.41 (0.97 - 3.51)	3.94	5.8	3.8	A
	9	14	24	-	2.03	2.95	4.62	-	9.60 (4.3 - 11.9)	2.42 (1.12 - 3.57)	3.97	5.8	3.8	A
	9	18	18	-	2.07	3.76	3.76	-	9.60 (4.3 - 12.0)	2.40 (1.12 - 3.52)	4.00	5.8	3.8	A
	12	12	12	-	3.07	3.07	3.07	-	9.20 (3.3 - 10.3)	2.63 (0.87 - 3.49)	3.50	5.8	3.8	A
	12	12	14	-	2.91	2.91	3.49	-	9.30 (3.3 - 10.6)	2.59 (0.87 - 3.49)	3.59	5.8	3.8	A
	12	12	18	-	2.71	2.71	4.07	-	9.50 (3.7 - 11.6)	2.42 (0.97 - 3.52)	3.93	5.8	3.8	A
	12	12	24	-	2.48	2.48	4.65	-	9.60 (3.7 - 11.8)	2.43 (0.97 - 3.54)	3.95	5.8	3.8	A
	12	14	14	-	2.76	3.32	3.32	-	9.40 (3.7 - 10.8)	2.40 (0.97 - 3.50)	3.92	5.8	3.8	A
	12	14	18	-	2.57	3.08	3.85	-	9.50 (3.7 - 11.6)	2.40 (0.97 - 3.49)	3.96	5.8	3.8	A
	12	18	18	-	2.40	3.60	3.60	-	9.60 (4.3 - 12.0)	2.40 (1.12 - 3.52)	4.00	5.8	3.8	A
4 Room	7	7	7	7	2.35	2.35	2.35	2.35	9.40 (1.8 - 10.8)	2.43 (0.58 - 3.47)	3.87	6.2	4.0	A+
	7	7	7	9	2.27	2.27	2.27	2.68	9.50 (1.8 - 10.9)	2.42 (0.58 - 3.51)	3.88	6.2	4.0	A+
	7	7	7	12	2.14	2.14	2.14	3.06	9.50 (1.8 - 11.1)	2.41 (0.58 - 3.55)	3.94	6.2	4.0	A+
	7	7	7	14	2.04	2.04	2.04	3.49	9.60 (3.3 - 11.3)	2.38 (0.87 - 3.56)	4.03	6.2	4.0	A+
	7	7	7	18	1.87	1.87	1.87	4.00	9.60 (3.3 - 12.0)	2.27 (0.87 - 3.56)	4.23	6.2	4.0	A+
	7	7	9	9	2.18	2.18	2.57	2.57	9.50 (3.3 - 10.9)	2.41 (0.87 - 3.44)	3.94	6.2	4.0	A+
	7	7	9	12	2.06	2.06	2.43	2.95	9.50 (3.3 - 11.1)	2.40 (0.87 - 3.54)	3.96	6.2	4.0	A+
	7	7	9	14	1.96	1.96	2.31	3.36	9.60 (3.3 - 11.4)	2.38 (0.87 - 3.54)	4.03	6.2	4.0	A+
	7	7	9	18	1.80	1.80	2.13	3.87	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.55)	4.23	6.2	4.0	A+
	7	7	12	12	1.98	1.98	2.82	2.82	9.60 (3.3 - 11.3)	2.39 (0.87 - 3.57)	4.02	6.2	4.0	A+
	7	7	12	14	1.87	1.87	2.67	3.20	9.60 (3.3 - 11.5)	2.36 (0.87 - 3.58)	4.07	6.2	4.0	A+
	7	7	12	18	1.72	1.72	2.46	3.69	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.58)	4.23	6.2	4.0	A+
	7	7	14	14	1.77	1.77	3.03	3.03	9.60 (3.7 - 11.8)	2.34(0.97 - 3.58)	4.10	6.2	4.0	A+
	7	7	14	18	1.64	1.64	2.81	3.51	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.56)	4.23	6.2	4.0	A+
	7	9	9	9	2.09	2.47	2.47	2.47	9.50 (3.3 - 11.2)	2.40 (0.87 - 3.54)	4.00	6.2	4.0	A+
	7	9	9	12	2.01	2.36	2.36	2.87	9.60 (3.3 - 11.3)	2.39(0.87 - 3.58)	4.02	6.2	4.0	A+
	7	9	9	14	1.89	2.23	2.23	3.25	9.60 (3.7 - 11.5)	2.37 (0.97 - 3.58)	4.05	6.2	4.0	A+
	7	9	9	18	1.75	2.06	2.06	3.74	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.58)	4.23	6.2	4.0	A+
	7	9	12	12	1.91	2.25	2.72	2.72	9.60 (3.3 - 11.4)	2.38 (0.87 - 3.58)	4.03	6.2	4.0	A+
	7	9	12	14	1.80	2.13	2.58	3.09	9.60 (3.7 - 11.6)	2.35 (0.97 - 3.58)	4.09	6.2	4.0	A+
	7	9	12	18	1.67	1.97	2.39	3.58	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.58)	4.23	6.2	4.0	A+
	7	9	14	14	1.71	2.02	2.94	2.94	9.60 (3.7 - 11.8)	2.33 (0.97 - 3.58)	4.12	6.2	4.0	A+
	7	9	14	18	1.59	1.87	2.73	3.41	9.60 (4.3 - 12.0)	2.27 (1.12 - 3.58)	4.23	6.2	4.0	A+
	7	12	12	12	1.81	2.59	2.59	2.59	9.60 (3.3 - 11.5)	2.37 (0.87 - 3.58)	4.05	6.2	4.0	A+
	7	12	12	14	1.72	2.46	2.46	2.95	9.60 (3.7 - 11.7)	2.34 (0.97 - 3.58)	4.10	6.2	4.0	A+
	7	12	12	18	1.60	2.29	2.29	3.43	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.56)	4.23	6.2	4.0	A+
	7	12	14	14	1.64	2.34	2.81	2.81	9.60 (3.7 - 11.9)	2.32 (0.97 - 3.58)	4.14	6.2	4.0	A+
	9	9	9	9	2.40	2.40	2.40	2.40	9.60 (3.7 - 11.3)	2.40 (0.97 - 3.58)	4.00	6.2	4.0	A+
	9	9	9	12	2.28	2.28	2.28	2.76	9.60 (3.7 - 11.4)	2.38 (0.97 - 3.58)	4.03	6.2	4.0	A+
	9	9	9	14	2.16	2.16	2.16	3.14	9.60 (3.7 - 11.6)	2.36 (0.97 - 3.58)	4.07	6.2	4.0	A+
	9	9	9	18*1	1.99	1.99	1.99	3.62	9.60 (4.3 - 12.0)	2.27 (1.12 - 3.58)	4.23	6.2	4.0	A+
	9	9	12	12	2.17	2.17	2.63	2.63	9.60 (3.7 - 11.5)	2.37 (0.97 - 3.58)	4.05	6.2	4.0	A+
	9	9	12	14	2.06	2.06	2.49	2.99	9.60 (3.7 - 11.7)	2.35 (0.97 - 3.58)	4.09	6.2	4.0	A+
	9	9	12	18*2	1.91	1.91	2.31	3.47	9.60 (4.3 - 12.0)	2.27 (1.12 - 3.58)	4.23	6.2	4.0	A+
	9	9	14	14	1.96	1.96	2.84	2.84	9.60 (4.3 - 11.9)	2.33 (1.12 - 3.58)	4.12	6.2	4.0	A+
	9	12	12	12	2.07	2.51	2.51	2.51	9.60 (3.7 - 11.6)	2.36 (0.97 - 3.58)	4.07	6.2	4.0	A+
	9	12	12	14	1.97	2.39	2.39	2.87	9.60 (3.7 - 11.8)	2.34 (0.97 - 3.58)	4.10	6.2	4.0	A+
	9	12	14	14	1.87	2.27	2.73	2.73	9.60 (4.3 - 11.9)	2.31 (1.12 - 3.58)	4.16	6.2	4.0	A+
	12	12	12	12	2.40	2.40	2.40	2.40	9.60 (3.7 - 11.6)	2.35 (0.97 - 3.58)	4.09	6.2	4.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•3 or more indoor units should be connected.
•Heating capacity is based on 20ºCDB (indoor temperature), 7ºCDB/6ºCWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected a indoor unit is up to 49000Btu from 27000Btu.
*1: Connection of RSG18L + RDG09L + RDG09L + RDG09L is not available. All types other than this combination can be connected.
*2: Connection of RSG18L + RDG12L + RDG09L + RDG09L is not available. All types other than this combination can be connected.

8 Rooms Multi cooling

ROG45LBT8	Combination of Indoor Unit								COOLING OPERATION									
									Cooling Capacity									Input power
									Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Total	
									kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2 Room	24	24	-	-	-	-	-	-	7.03	7.03	-	-	-	-	-	-	14.06	5.20
	18	24	-	-	-	-	-	-	5.27	7.03	-	-	-	-	-	-	12.30	4.24
3 Room	18	18	24	-	-	-	-	-	4.63	4.63	6.18	-	-	-	-	-	15.45	5.89
	18	18	18	-	-	-	-	-	5.01	5.01	5.01	-	-	-	-	-	15.03	5.90
	14	24	24	-	-	-	-	-	3.54	6.07	6.07	-	-	-	-	-	15.68	5.87
	14	18	24	-	-	-	-	-	3.84	4.94	6.59	-	-	-	-	-	15.37	5.90
	14	18	18	-	-	-	-	-	4.10	5.27	5.27	-	-	-	-	-	14.64	5.50
	14	14	24	-	-	-	-	-	4.10	4.10	7.03	-	-	-	-	-	15.23	5.79
	14	14	18	-	-	-	-	-	4.10	4.10	5.27	-	-	-	-	-	13.47	4.89
	14*1	14*1	14*1	-	-	-	-	-	4.10	4.10	4.10	-	-	-	-	-	12.30	4.24
	12	24	24	-	-	-	-	-	3.09	6.18	6.18	-	-	-	-	-	15.45	5.89
	12	18	24	-	-	-	-	-	3.35	5.01	6.68	-	-	-	-	-	15.04	5.90
	12	18	18	-	-	-	-	-	3.52	5.27	5.27	-	-	-	-	-	14.06	5.20
	12	14	24	-	-	-	-	-	3.52	4.10	7.03	-	-	-	-	-	14.65	5.50
	12	14	18	-	-	-	-	-	3.52	4.10	5.27	-	-	-	-	-	12.89	4.57
	12*1	14*1	14*1	-	-	-	-	-	3.52	4.10	4.10	-	-	-	-	-	11.72	3.91
	12	12	24	-	-	-	-	-	3.52	3.52	7.03	-	-	-	-	-	14.07	5.20
	12	12	18	-	-	-	-	-	3.52	3.52	5.27	-	-	-	-	-	12.31	4.24
	9	24	24	-	-	-	-	-	2.46	6.54	6.54	-	-	-	-	-	15.54	5.90
	9	18	24	-	-	-	-	-	2.64	5.27	7.03	-	-	-	-	-	14.94	5.65
	9	18	18	-	-	-	-	-	2.64	5.27	5.27	-	-	-	-	-	13.18	4.73
	9	14	24	-	-	-	-	-	2.64	4.10	7.03	-	-	-	-	-	13.77	5.05
	9	14	18	-	-	-	-	-	2.64	4.10	5.27	-	-	-	-	-	12.01	4.08
	9	12	24	-	-	-	-	-	2.64	3.52	7.03	-	-	-	-	-	13.19	4.73
	9	12	18	-	-	-	-	-	2.64	3.52	5.27	-	-	-	-	-	11.43	3.74
	9	9	24	-	-	-	-	-	2.64	2.64	7.03	-	-	-	-	-	12.31	4.24
	7	24	24	-	-	-	-	-	1.93	6.64	6.64	-	-	-	-	-	15.21	5.90
	7	18	24	-	-	-	-	-	2.05	5.27	7.03	-	-	-	-	-	14.35	5.35
	7	18	18	-	-	-	-	-	2.05	5.27	5.27	-	-	-	-	-	12.59	4.41
	7	14	24	-	-	-	-	-	2.05	4.10	7.03	-	-	-	-	-	13.18	4.73
	7	14	18	-	-	-	-	-	2.05	4.10	5.27	-	-	-	-	-	11.42	3.74
	7	12	24	-	-	-	-	-	2.05	3.52	7.03	-	-	-	-	-	12.60	4.41
	7	9	24	-	-	-	-	-	2.05	2.64	7.03	-	-	-	-	-	11.72	3.91
4 Room	14	14	14	18	-	-	-	-	3.60	3.60	3.60	4.63	-	-	-	-	15.45	5.89
	14	14	14	14	-	-	-	-	3.84	3.84	3.84	3.84	-	-	-	-	15.37	5.90
	12	14	18	18	-	-	-	-	3.04	3.54	4.55	4.55	-	-	-	-	15.68	5.87
	12	14	14	18	-	-	-	-	3.15	3.67	3.67	4.72	-	-	-	-	15.21	5.90
	12	14	14	14	-	-	-	-	3.35	3.90	3.90	3.90	-	-	-	-	15.04	5.90
	12	12	18	18	-	-	-	-	3.09	3.09	4.63	4.63	-	-	-	-	15.45	5.89
	12	12	14	24	-	-	-	-	3.04	3.04	3.54	6.07	-	-	-	-	15.69	5.87
	12	12	14	18	-	-	-	-	3.30	3.30	3.84	4.94	-	-	-	-	15.38	5.90
	12	12	14	14	-	-	-	-	3.52	3.52	4.10	4.10	-	-	-	-	15.24	5.79
	12	12	12	24	-	-	-	-	3.09	3.09	3.09	6.18	-	-	-	-	15.45	5.89
	12	12	12	18	-	-	-	-	3.35	3.35	3.35	5.01	-	-	-	-	15.05	5.90
	12	12	12	14	-	-	-	-	3.52	3.52	3.52	4.10	-	-	-	-	14.66	5.50
	12	12	12	12	-	-	-	-	3.52	3.52	3.52	3.52	-	-	-	-	14.08	5.20
	9	14	18	18	-	-	-	-	2.34	3.64	4.67	4.67	-	-	-	-	15.33	5.89
	9	14	14	24	-	-	-	-	2.30	3.57	3.57	6.12	-	-	-	-	15.57	5.88
	9	14	14	18	-	-	-	-	2.49	3.87	3.87	4.97	-	-	-	-	15.21	5.90
	9	14	14	14	-	-	-	-	2.64	4.10	4.10	4.10	-	-	-	-	14.94	5.65
	9	12	18	18	-	-	-	-	2.46	3.28	4.90	4.90	-	-	-	-	15.54	5.90
	9	12	14	24	-	-	-	-	2.34	3.12	3.64	6.23	-	-	-	-	15.33	5.89
	9	12	14	18	-	-	-	-	2.53	3.37	3.93	5.05	-	-	-	-	14.87	5.90
	9	12	14	14	-	-	-	-	2.64	3.52	4.10	4.10	-	-	-	-	14.36	5.35
	9	12	12	24	-	-	-	-	2.46	3.28	3.28	6.54	-	-	-	-	15.55	5.90
	9	12	12	18	-	-	-	-	2.64	3.52	3.52	5.27	-	-	-	-	14.95	5.65
	9	12	12	14	-	-	-	-	2.64	3.52	3.52	4.10	-	-	-	-	13.78	5.05
	9	12	12	12	-	-	-	-	2.64	3.52	3.52	3.52	-	-	-	-	13.20	4.73
	9	9	18	24	-	-	-	-	2.32	2.32	4.63	6.18	-	-	-	-	15.45	5.89
	9	9	18	18	-	-	-	-	2.51	2.51	5.01	5.01	-	-	-	-	15.04	5.90
	9	9	14	24	-	-	-	-	2.47	2.47	3.84	6.59	-	-	-	-	15.38	5.90
	9	9	14	18	-	-	-	-	2.64	2.64	4.10	5.27	-	-	-	-	14.65	5.50
	9	9	14	14	-	-	-	-	2.64	2.64	4.10	4.10	-	-	-	-	13.48	4.89
	9	9	12	24	-	-	-	-	2.51	2.51	3.35	6.68	-	-	-	-	15.05	5.90
	9	9	12	18	-	-	-	-	2.64	2.64	3.52	5.27	-	-	-	-	14.07	5.20
	9	9	12	14	-	-	-	-	2.64	2.64	3.52	4.10	-	-	-	-	12.90	4.57
	9	9	12	12	-	-	-	-	2.64	2.64	3.52	3.52	-	-	-	-	12.32	4.24
	9	9	9	24	-	-	-	-	2.64	2.64	2.64	7.03	-	-	-	-	14.95	5.65
	9	9	9	18	-	-	-	-	2.64	2.64	2.64	5.27	-	-	-	-	13.19	4.73
	9	9	9	14	-	-	-	-	2.64	2.64	2.64	4.10	-	-	-	-	12.02	4.08
	9	9	9	12	-	-	-	-	2.64	2.64	2.64	3.52	-	-	-	-	11.44	3.74
	7	18	18	18	-	-	-	-	1.79	4.59	4.59	4.59	-	-	-	-	15.56	5.88
	7	14	18	18	-	-	-	-	1.91	3.82	4.91	4.91	-	-	-	-	15.54	5.90
	7	14	14	24	-	-	-	-	1.82	3.64	3.64	6.24	-	-	-	-	15.33	5.89
	7	14	14	18	-	-	-	-	1.96	3.93	3.93	5.05	-	-	-	-	14.87	5.90
	7	14	14	14	-	-	-	-	2.05	4.10	4.10	4.10	-	-	-	-	14.35	5.35
	7	12	18	24	-	-	-	-	1.79	3.07	4.59	6.12	-	-	-	-	15.57	5.88
	7	12	18	18	-	-	-	-	1.93	3.32	4.97	4.97	-	-	-	-	15.21	5.90
	7	12	14	24	-	-	-	-	1.91	3.28	3.82	6.54	-	-	-	-	15.54	5.90
	7	12	14	18	-	-	-	-	2.05	3.52	4.10	5.27	-	-	-	-	14.94	5.65
	7	12	14	14	-	-	-	-	2.05	3.52	4.10	4.10	-	-	-	-	13.77	5.05
	7	12	12	24	-	-	-	-	1.93	3.32	3.32	6.63	-	-	-	-	15.21	5.90
	7	12	12	18	-	-	-	-	2.05	3.52	3.52	5.27	-	-	-	-	14.36	5.35
	7	12	12	14	-	-	-	-	2.05	3.52	3.52	4.10	-	-	-	-	13.19	4.73
	7	12	12	12	-	-	-	-	2.05	3.52	3.52	3.52	-	-	-	-	12.61	4.41
	7	9	18	24	-	-	-	-	1.84	2.36	4.72	6.29	-	-	-	-	15.21	5.90
	7	9	18	18	-	-	-	-	2.05	2.64	5.27	5.27	-	-	-	-	15.23	5.79
	7	9	14	24	-	-	-	-	1.95	2.51	3.90	6.68	-	-	-	-	15.04	5.90
	7	9	14	18	-	-	-	-	2.05	2.64	4.10	5.27	-	-	-	-	14.06	5.20
	7	9	12	24	-	-	-	-	2.05	2.64	3.52	7.03	-	-	-	-	15.24	5.79
	7	9	12	18	-	-	-	-	2.05	2.64	3.52	5.27	-	-	-	-	13.48	4.89
	7	9	12	14	-	-	-	-	2.05	2.64	3.52	4.10	-	-	-	-	12.31	4.24
	7	9	12	12	-	-	-	-	2.05	2.64	3.52	3.52	-	-	-	-	11.73	3.91
	7	9	9	24	-	-	-	-	2.05	2.64	2.64	7.03	-	-	-	-	14.36	5.35
	7	9	9	18	-	-	-	-	2.05	2.64	2.64	5.27	-	-	-	-	12.60	4.41
	7	9	9	14	-	-	-	-	2.05	2.64	2.64	4.10	-	-	-	-	11.43	3.74
	7	7	24	24	-	-	-	-	1.77	1.77	6.07	6.07	-	-	-	-	15.68	5.87
	7	7	18	24	-	-	-	-	1.92	1.92	4.94	6.59	-	-	-	-	15.37	5.90
	7	7	18	18	-	-	-	-	2.05	2.05	5.27	5.27	-	-	-	-	14.64	5.50
	7	7	14	24	-	-	-	-	2.05	2.05	4.10	7.03	-	-	-	-	15.23	5.79

Note: •Cooling capacity is based on 27°CDB/19°CWB(indoor temperature),35°CDB(outdoor temperature)
•Pipe Length: 5 m (Outdoor unit to Branch box), 3 m (Branch box to Indoor unit)
•Height difference: 0 m (Outdoor unit to Indoor unit)
•The values in this table should be used only as a guide. These values are calculated at standard conditions.
To fix your selection of models, select them according to “Model Selection” in the D&T manual.
*1:LMC type is not available for this combination.

8 Rooms Multi cooling

ROG45LBT8	Combination of Indoor Unit								COOLING OPERATION									
									Cooling Capacity									Input power
									Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Total	
									kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
4 Room	7	7	14	18	-	-	-	-	2.05	2.05	4.10	5.27	-	-	-	-	13.47	4.89
	7	7	14	14	-	-	-	-	2.05	2.05	4.10	4.10	-	-	-	-	12.30	4.24
	7	7	12	24	-	-	-	-	2.05	2.05	3.52	7.03	-	-	-	-	14.65	5.50
	7	7	12	18	-	-	-	-	2.05	2.05	3.52	5.27	-	-	-	-	12.89	4.57
	7	7	12	14	-	-	-	-	2.05	2.05	3.52	4.10	-	-	-	-	11.72	3.91
	7	7	9	24	-	-	-	-	2.05	2.05	2.64	7.03	-	-	-	-	13.77	5.05
	7	7	9	18	-	-	-	-	2.05	2.05	2.64	5.27	-	-	-	-	12.01	4.08
	7	7	7	24	-	-	-	-	2.05	2.05	2.05	7.03	-	-	-	-	13.18	4.73
	7	7	7	18	-	-	-	-	2.05	2.05	2.05	5.27	-	-	-	-	11.42	3.74
5 Room	12	12	12	12	14	-	-	-	3.04	3.04	3.04	3.04	3.54	-	-	-	15.69	5.87
	12	12	12	12	12	-	-	-	3.09	3.09	3.09	3.09	3.09	-	-	-	15.46	5.89
	9	12	12	14	14	-	-	-	2.30	3.07	3.07	3.57	3.57	-	-	-	15.57	5.88
	9	12	12	12	14	-	-	-	2.34	3.12	3.12	3.12	3.63	-	-	-	15.34	5.89
	9	12	12	12	12	-	-	-	2.46	3.27	3.27	3.27	3.27	-	-	-	15.55	5.90
	9	9	14	14	14	-	-	-	2.32	2.32	3.60	3.60	3.60	-	-	-	15.45	5.89
	9	9	12	14	18	-	-	-	2.28	2.28	3.04	3.54	4.55	-	-	-	15.69	5.87
	9	9	12	14	14	-	-	-	2.36	2.36	3.15	3.67	3.67	-	-	-	15.21	5.90
	9	9	12	12	18	-	-	-	2.32	2.32	3.09	3.09	4.63	-	-	-	15.45	5.89
	9	9	12	12	14	-	-	-	2.47	2.47	3.30	3.30	3.84	-	-	-	15.38	5.90
	9	9	12	12	12	-	-	-	2.51	2.51	3.34	3.34	3.34	-	-	-	15.05	5.90
	9	9	9	14	18	-	-	-	2.34	2.34	2.34	3.64	4.67	-	-	-	15.33	5.89
	9	9	9	14	14	-	-	-	2.49	2.49	2.49	3.87	3.87	-	-	-	15.21	5.90
	9	9	9	12	18	-	-	-	2.46	2.46	2.46	3.28	4.90	-	-	-	15.55	5.90
	9	9	9	12	14	-	-	-	2.53	2.53	2.53	3.37	3.93	-	-	-	14.88	5.90
	9	9	9	12	12	-	-	-	2.64	2.64	2.64	3.52	3.52	-	-	-	14.96	5.65
	9	9	9	9	24	-	-	-	2.32	2.32	2.32	2.32	6.18	-	-	-	15.45	5.89
	9	9	9	9	18	-	-	-	2.51	2.51	2.51	2.51	5.01	-	-	-	15.05	5.90
	9	9	9	9	14	-	-	-	2.64	2.64	2.64	2.64	4.10	-	-	-	14.66	5.50
	9	9	9	9	12	-	-	-	2.64	2.64	2.64	2.64	3.52	-	-	-	14.08	5.20
	9	9	9	9	9	-	-	-	2.64	2.64	2.64	2.64	2.64	-	-	-	13.20	4.73
	7	12	14	14	14	-	-	-	1.79	3.07	3.57	3.57	3.57	-	-	-	15.57	5.88
	7	12	12	14	14	-	-	-	1.82	3.12	3.12	3.64	3.64	-	-	-	15.33	5.89
	7	12	12	12	18	-	-	-	1.79	3.07	3.07	3.07	4.59	-	-	-	15.57	5.88
	7	12	12	12	14	-	-	-	1.91	3.28	3.28	3.28	3.82	-	-	-	15.55	5.90
	7	12	12	12	12	-	-	-	1.93	3.32	3.32	3.32	3.32	-	-	-	15.22	5.90
	7	9	14	14	18	-	-	-	1.77	2.28	3.54	3.54	4.55	-	-	-	15.68	5.87
	7	9	14	14	14	-	-	-	1.84	2.36	3.67	3.67	3.67	-	-	-	15.21	5.90
	7	9	12	14	18	-	-	-	1.80	2.32	3.09	3.60	4.63	-	-	-	15.45	5.89
	7	9	12	14	14	-	-	-	1.92	2.47	3.30	3.84	3.84	-	-	-	15.38	5.90
	7	9	12	12	18	-	-	-	1.83	2.36	3.15	3.15	4.72	-	-	-	15.21	5.90
	7	9	12	12	14	-	-	-	1.95	2.51	3.35	3.35	3.90	-	-	-	15.05	5.90
	7	9	12	12	12	-	-	-	2.05	2.64	3.52	3.52	3.52	-	-	-	15.25	5.79
	7	9	9	18	18	-	-	-	1.79	2.30	2.30	4.59	4.59	-	-	-	15.57	5.88
	7	9	9	14	18	-	-	-	1.91	2.46	2.46	3.82	4.90	-	-	-	15.54	5.90
	7	9	9	14	14	-	-	-	1.96	2.53	2.53	3.93	3.93	-	-	-	14.87	5.90
	7	9	9	12	24	-	-	-	1.79	2.30	2.30	3.07	6.12	-	-	-	15.57	5.88
	7	9	9	12	18	-	-	-	1.93	2.49	2.49	3.32	4.97	-	-	-	15.21	5.90
	7	9	9	12	14	-	-	-	2.05	2.64	2.64	3.52	4.10	-	-	-	14.95	5.65
	7	9	9	12	12	-	-	-	2.05	2.64	2.64	3.52	3.52	-	-	-	14.37	5.35
	7	9	9	9	24	-	-	-	1.83	2.36	2.36	2.36	6.29	-	-	-	15.21	5.90
	7	9	9	9	18	-	-	-	2.05	2.64	2.64	2.64	5.27	-	-	-	15.24	5.79
	7	9	9	9	14	-	-	-	2.05	2.64	2.64	2.64	4.10	-	-	-	14.07	5.20
	7	9	9	9	12	-	-	-	2.05	2.64	2.64	2.64	3.52	-	-	-	13.49	4.89
	7	9	9	9	9	-	-	-	2.05	2.64	2.64	2.64	2.64	-	-	-	12.61	4.41
	7	7	14	14	18	-	-	-	1.80	1.80	3.60	3.60	4.63	-	-	-	15.45	5.89
	7	7	14	14	14	-	-	-	1.92	1.92	3.84	3.84	3.84	-	-	-	15.37	5.90
	7	7	12	18	18	-	-	-	1.77	1.77	3.04	4.55	4.55	-	-	-	15.68	5.87
	7	7	12	14	18	-	-	-	1.84	1.84	3.15	3.67	4.72	-	-	-	15.21	5.90
	7	7	12	14	14	-	-	-	1.95	1.95	3.35	3.90	3.90	-	-	-	15.04	5.90
	7	7	12	12	24	-	-	-	1.77	1.77	3.04	3.04	6.07	-	-	-	15.69	5.87
	7	7	12	12	14	-	-	-	2.05	2.05	3.52	3.52	4.10	-	-	-	15.24	5.79
	7	7	12	12	12	-	-	-	2.05	2.05	3.52	3.52	3.52	-	-	-	14.66	5.50
	7	7	9	18	18	-	-	-	1.82	1.82	2.34	4.67	4.67	-	-	-	15.33	5.89
	7	7	9	14	24	-	-	-	1.79	1.79	2.30	3.57	6.12	-	-	-	15.57	5.88
	7	7	9	14	18	-	-	-	1.93	1.93	2.49	3.87	4.97	-	-	-	15.21	5.90
	7	7	9	14	14	-	-	-	2.05	2.05	2.64	4.10	4.10	-	-	-	14.94	5.65
	7	7	9	12	24	-	-	-	1.82	1.82	2.34	3.12	6.23	-	-	-	15.33	5.89
	7	7	9	12	18	-	-	-	1.96	1.96	2.53	3.37	5.05	-	-	-	14.87	5.90
	7	7	9	12	14	-	-	-	2.05	2.05	2.64	3.52	4.10	-	-	-	14.36	5.35
	7	7	9	12	12	-	-	-	2.05	2.05	2.64	3.52	3.52	-	-	-	13.78	5.05
	7	7	9	9	24	-	-	-	1.92	1.92	2.47	2.47	6.59	-	-	-	15.38	5.90
	7	7	9	9	18	-	-	-	2.05	2.05	2.64	2.64	5.27	-	-	-	14.65	5.50
	7	7	9	9	14	-	-	-	2.05	2.05	2.64	2.64	4.10	-	-	-	13.48	4.89
	7	7	9	9	12	-	-	-	2.05	2.05	2.64	2.64	3.52	-	-	-	12.90	4.57
	7	7	9	9	9	-	-	-	2.05	2.05	2.64	2.64	2.64	-	-	-	12.02	4.08
	7	7	7	18	18	-	-	-	1.91	1.91	1.91	4.91	4.91	-	-	-	15.54	5.90
	7	7	7	14	24	-	-	-	1.82	1.82	1.82	3.64	6.24	-	-	-	15.33	5.89
	7	7	7	14	18	-	-	-	1.96	1.96	1.96	3.93	5.05	-	-	-	14.87	5.90
	7	7	7	14	14	-	-	-	2.05	2.05	2.05	4.10	4.10	-	-	-	14.35	5.35
	7	7	7	12	24	-	-	-	1.91	1.91	1.91	3.28	6.54	-	-	-	15.54	5.90
	7	7	7	12	18	-	-	-	2.05	2.05	2.05	3.52	5.27	-	-	-	14.94	5.65
	7	7	7	12	14	-	-	-	2.05	2.05	2.05	3.52	4.10	-	-	-	13.77	5.05
	7	7	7	12	12	-	-	-	2.05	2.05	2.05	3.52	3.52	-	-	-	13.19	4.73
	7	7	7	9	24	-	-	-	1.95	1.95	1.95	2.51	6.68	-	-	-	15.04	5.90
	7	7	7	9	18	-	-	-	2.05	2.05	2.05	2.64	5.27	-	-	-	14.06	5.20
	7	7	7	9	14	-	-	-	2.05	2.05	2.05	2.64	4.10	-	-	-	12.89	4.57
	7	7	7	9	12	-	-	-	2.05	2.05	2.05	2.64	3.52	-	-	-	12.31	4.24
	7	7	7	9	9	-	-	-	2.05	2.05	2.05	2.64	2.64	-	-	-	11.43	3.74
	7	7	7	7	24	-	-	-	2.05	2.05	2.05	2.05	7.03	-	-	-	15.23	5.79
	7	7	7	7	18	-	-	-	2.05	2.05	2.05	2.05	5.27	-	-	-	13.47	4.89
	7	7	7	7	14	-	-	-	2.05	2.05	2.05	2.05	4.10	-	-	-	12.30	4.24
	7	7	7	7	12	-	-	-	2.05	2.05	2.05	2.05	3.52	-	-	-	11.72	3.91
6 Room	9	9	9	9	12	14	-	-	2.28	2.28	2.28	2.28	3.04	3.54	-	-	15.69	5.87
	9	9	9	9	12	12	-	-	2.32	2.32	2.32	2.32	3.09	3.09	-	-	15.46	5.89
	9	9	9	9	9	14	-	-	2.34	2.34	2.34	2.34	2.34	3.63	-	-	15.34	5.89
	9	9	9	9	9	12	-	-	2.46	2.46	2.46	2.46	2.46	3.27	-	-	15.55	5.90
	9	9	9	9	9	9	-	-	2.51	2.51	2.51	2.51	2.51	2.51	-	-	15.05	5.90
	7	9	9	12	12	12	-	-	1.78	2.30	2.30	3.06	3.06	3.06	-	-	15.57	5.88
	7	9	9	9	12	14	-	-	1.80	2.32	2.32	2.32	3.09	3.60	-	-	15.45	5.89
	7	9	9	9	12	12	-	-	1.83	2.36	2.36	2.36	3.15	3.15	-	-	15.22	5.90

Note: •Cooling capacity is based on 27°CDB/19°CWB(indoor temperature),35°CDB(outdoor temperature)
•Pipe Length: 5 m (Outdoor unit to Branch box), 3 m (Branch box to Indoor unit)
•Height difference: 0 m (Outdoor unit to Indoor unit)
•The values in this table should be used only as a guide. These values are calculated at standard conditions.
To fix your selection of models, select them according to “Model Selection” in the D&T manual.

8 Rooms Multi cooling

ROG45LBT8	Combination of Indoor Unit								COOLING OPERATION									
									Cooling Capacity									Input power
									Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Total	
									kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6 Room	7	9	9	9	9	18	-	-	1.79	2.30	2.30	2.30	2.30	4.59	-	-	15.57	5.88
	7	9	9	9	9	12	-	-	1.93	2.49	2.49	2.49	2.49	3.32	-	-	15.22	5.90
	7	9	9	9	9	9	-	-	2.05	2.64	2.64	2.64	2.64	2.64	-	-	15.25	5.79
	7	7	12	12	12	12	-	-	1.77	1.77	3.04	3.04	3.04	3.04	-	-	15.69	5.87
	7	7	9	12	12	14	-	-	1.79	1.79	2.30	3.07	3.07	3.57	-	-	15.57	5.88
	7	7	9	12	12	12	-	-	1.82	1.82	2.34	3.12	3.12	3.12	-	-	15.34	5.89
	7	7	9	9	14	14	-	-	1.80	1.80	2.32	2.32	3.60	3.60	-	-	15.45	5.89
	7	7	9	9	12	18	-	-	1.77	1.77	2.28	2.28	3.04	4.55	-	-	15.69	5.87
	7	7	9	9	12	14	-	-	1.83	1.83	2.36	2.36	3.15	3.67	-	-	15.21	5.90
	7	7	9	9	12	12	-	-	1.92	1.92	2.47	2.47	3.30	3.30	-	-	15.38	5.90
	7	7	9	9	9	18	-	-	1.82	1.82	2.34	2.34	2.34	4.67	-	-	15.33	5.89
	7	7	9	9	9	14	-	-	1.93	1.93	2.49	2.49	2.49	3.87	-	-	15.21	5.90
	7	7	9	9	9	12	-	-	1.96	1.96	2.53	2.53	2.53	3.37	-	-	14.88	5.90
	7	7	9	9	9	9	-	-	2.05	2.05	2.64	2.64	2.64	2.64	-	-	14.66	5.50
	7	7	7	12	14	14	-	-	1.79	1.79	1.79	3.07	3.57	3.57	-	-	15.57	5.88
	7	7	7	12	12	14	-	-	1.82	1.82	1.82	3.12	3.12	3.64	-	-	15.33	5.89
	7	7	7	12	12	12	-	-	1.91	1.91	1.91	3.28	3.28	3.28	-	-	15.55	5.90
	7	7	7	9	14	18	-	-	1.77	1.77	1.77	2.28	3.54	4.55	-	-	15.68	5.87
	7	7	7	9	14	14	-	-	1.84	1.84	1.84	2.36	3.67	3.67	-	-	15.21	5.90
	7	7	7	9	12	18	-	-	1.80	1.80	1.80	2.32	3.09	4.63	-	-	15.45	5.89
	7	7	7	9	12	14	-	-	1.92	1.92	1.92	2.47	3.30	3.84	-	-	15.38	5.90
	7	7	7	9	12	12	-	-	1.95	1.95	1.95	2.51	3.35	3.35	-	-	15.05	5.90
	7	7	7	9	9	18	-	-	1.91	1.91	1.91	2.46	2.46	4.90	-	-	15.54	5.90
	7	7	7	9	9	14	-	-	1.96	1.96	1.96	2.53	2.53	3.93	-	-	14.87	5.90
	7	7	7	9	9	12	-	-	2.05	2.05	2.05	2.64	2.64	3.52	-	-	14.95	5.65
	7	7	7	9	9	9	-	-	2.05	2.05	2.05	2.64	2.64	2.64	-	-	14.07	5.20
	7	7	7	7	14	18	-	-	1.80	1.80	1.80	1.80	3.60	4.63	-	-	15.45	5.89
	7	7	7	7	14	14	-	-	1.92	1.92	1.92	1.92	3.84	3.84	-	-	15.37	5.90
	7	7	7	7	12	18	-	-	1.84	1.84	1.84	1.84	3.15	4.72	-	-	15.21	5.90
	7	7	7	7	12	14	-	-	1.95	1.95	1.95	1.95	3.35	3.90	-	-	15.04	5.90
	7	7	7	7	12	12	-	-	2.05	2.05	2.05	2.05	3.52	3.52	-	-	15.24	5.79
	7	7	7	7	9	24	-	-	1.79	1.79	1.79	1.79	2.30	6.12	-	-	15.57	5.88
	7	7	7	7	9	18	-	-	1.93	1.93	1.93	1.93	2.49	4.97	-	-	15.21	5.90
	7	7	7	7	9	14	-	-	2.05	2.05	2.05	2.05	2.64	4.10	-	-	14.94	5.65
	7	7	7	7	9	12	-	-	2.05	2.05	2.05	2.05	2.64	3.52	-	-	14.36	5.35
	7	7	7	7	9	9	-	-	2.05	2.05	2.05	2.05	2.64	2.64	-	-	13.48	4.89
	7	7	7	7	7	24	-	-	1.82	1.82	1.82	1.82	1.82	6.24	-	-	15.33	5.89
	7	7	7	7	7	18	-	-	1.96	1.96	1.96	1.96	1.96	5.05	-	-	14.87	5.90
	7	7	7	7	7	14	-	-	2.05	2.05	2.05	2.05	2.05	4.10	-	-	14.35	5.35
	7	7	7	7	7	12	-	-	2.05	2.05	2.05	2.05	2.05	3.52	-	-	13.77	5.05
	7	7	7	7	7	9	-	-	2.05	2.05	2.05	2.05	2.05	2.64	-	-	12.89	4.57
	7	7	7	7	7	7	-	-	2.05	2.05	2.05	2.05	2.05	2.05	-	-	12.30	4.24
7 Room	7	9	9	9	9	9	-	-	1.78	2.30	2.30	2.30	2.30	2.30	2.30	-	15.57	5.88
	7	7	9	9	9	9	12	-	1.77	1.77	2.28	2.28	2.28	2.28	3.04	-	15.69	5.87
	7	7	9	9	9	9	9	-	1.82	1.82	2.34	2.34	2.34	2.34	2.34	-	15.34	5.89
	7	7	7	9	9	9	14	-	1.77	1.77	1.77	2.28	2.28	2.28	3.54	-	15.69	5.87
	7	7	7	9	9	9	12	-	1.80	1.80	1.80	2.32	2.32	2.32	3.09	-	15.45	5.89
	7	7	7	9	9	9	9	-	1.91	1.91	1.91	2.46	2.46	2.46	2.46	-	15.55	5.90
	7	7	7	7	9	12	12	-	1.79	1.79	1.79	1.79	2.30	3.07	3.07	-	15.57	5.88
	7	7	7	7	9	9	14	-	1.80	1.80	1.80	1.80	2.32	2.32	3.60	-	15.45	5.89
	7	7	7	7	9	9	12	-	1.83	1.83	1.83	1.83	2.36	2.36	3.15	-	15.21	5.90
	7	7	7	7	9	9	9	-	1.93	1.93	1.93	1.93	2.49	2.49	2.49	-	15.21	5.90
	7	7	7	7	7	12	14	-	1.79	1.79	1.79	1.79	1.79	3.07	3.57	-	15.57	5.88
	7	7	7	7	7	12	12	-	1.82	1.82	1.82	1.82	1.82	3.12	3.12	-	15.33	5.89
	7	7	7	7	7	9	18	-	1.77	1.77	1.77	1.77	1.77	2.28	4.55	-	15.68	5.87
	7	7	7	7	7	9	14	-	1.84	1.84	1.84	1.84	1.84	2.36	3.67	-	15.21	5.90
	7	7	7	7	7	9	12	-	1.92	1.92	1.92	1.92	1.92	2.47	3.30	-	15.38	5.90
	7	7	7	7	7	9	9	-	1.96	1.96	1.96	1.96	1.96	2.53	2.53	-	14.87	5.90
	7	7	7	7	7	7	18	-	1.80	1.80	1.80	1.80	1.80	1.80	4.63	-	15.45	5.89
	7	7	7	7	7	7	14	-	1.92	1.92	1.92	1.92	1.92	1.92	3.84	-	15.37	5.90
	7	7	7	7	7	7	12	-	1.95	1.95	1.95	1.95	1.95	1.95	3.35	-	15.04	5.90
	7	7	7	7	7	7	9	-	2.05	2.05	2.05	2.05	2.05	2.05	2.64	-	14.94	5.65
	7	7	7	7	7	7	7	-	2.05	2.05	2.05	2.05	2.05	2.05	2.05	-	14.35	5.35
8 Room	7	7	7	7	7	9	9	9	1.77	1.77	1.77	1.77	1.77	2.28	2.28	2.28	15.69	5.87
	7	7	7	7	7	7	9	9	1.80	1.80	1.80	1.80	1.80	1.80	2.32	2.32	15.45	5.89
	7	7	7	7	7	7	7	12	1.79	1.79	1.79	1.79	1.79	1.79	1.79	3.07	15.57	5.88
	7	7	7	7	7	7	7	9	1.84	1.84	1.84	1.84	1.84	1.84	1.84	2.36	15.21	5.90
	7	7	7	7	7	7	7	7	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	15.37	5.90

Note: •Cooling capacity is based on 27°CDB/19°CWB(indoor temperature),35°CDB(outdoor temperature)
•Pipe Length: 5 m (Outdoor unit to Branch box), 3 m (Branch box to Indoor unit)
•Height difference: 0 m (Outdoor unit to Indoor unit)
•The values in this table should be used only as a guide. These values are calculated at standard conditions.
To fix your selection of models, select them according to “Model Selection” in the D&T manual.

8 Rooms Multi heating

ROG45LBT8	Combination of Indoor Unit								HEATING OPERATION									
									Heating Capacity									Input power
									Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Total	
									kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2 Room	24	24	-	-	-	-	-	-	7.91	7.91	-	-	-	-	-	-	15.82	5.07
	18	24	-	-	-	-	-	-	5.86	7.91	-	-	-	-	-	-	13.77	4.21
3 Room	18	18	24	-	-	-	-	-	5.32	5.32	7.18	-	-	-	-	-	17.82	5.98
	18	18	18	-	-	-	-	-	5.79	5.79	5.79	-	-	-	-	-	17.38	5.43
	14	24	24	-	-	-	-	-	4.26	7.02	7.02	-	-	-	-	-	18.31	5.98
	14	18	24	-	-	-	-	-	4.59	5.61	7.57	-	-	-	-	-	17.77	5.70
	14	18	18	-	-	-	-	-	4.78	5.84	5.84	-	-	-	-	-	16.46	5.11
	14	14	24	-	-	-	-	-	4.75	4.75	7.82	-	-	-	-	-	17.32	5.23
	14	14	18	-	-	-	-	-	4.80	4.80	5.86	-	-	-	-	-	15.46	4.75
	14*1	14*1	14*1	-	-	-	-	-	4.80	4.80	4.80	-	-	-	-	-	14.40	4.21
	12	24	24	-	-	-	-	-	3.58	7.15	7.15	-	-	-	-	-	17.89	5.98
	12	18	24	-	-	-	-	-	3.84	5.68	7.67	-	-	-	-	-	17.19	5.43
	12	18	18	-	-	-	-	-	3.96	5.86	5.86	-	-	-	-	-	15.68	5.07
	12	14	24	-	-	-	-	-	3.94	4.78	7.87	-	-	-	-	-	16.59	5.11
	12	14	18	-	-	-	-	-	3.96	4.80	5.86	-	-	-	-	-	14.62	4.46
	12*1	14*1	14*1	-	-	-	-	-	3.96	4.80	4.80	-	-	-	-	-	13.56	4.00
	12	12	24	-	-	-	-	-	3.96	3.96	7.91	-	-	-	-	-	15.83	5.07
	12	12	18	-	-	-	-	-	3.96	3.96	5.86	-	-	-	-	-	13.78	4.21
	9	24	24	-	-	-	-	-	2.85	7.54	7.54	-	-	-	-	-	17.93	5.87
	9	18	24	-	-	-	-	-	2.97	5.83	7.87	-	-	-	-	-	16.67	5.16
	9	18	18	-	-	-	-	-	2.99	5.86	5.86	-	-	-	-	-	14.71	4.60
	9	14	24	-	-	-	-	-	2.99	4.80	7.91	-	-	-	-	-	15.70	4.91
	9	14	18	-	-	-	-	-	2.99	4.80	5.86	-	-	-	-	-	13.65	4.10
	9	12	24	-	-	-	-	-	2.99	3.96	7.91	-	-	-	-	-	14.86	4.60
	9	12	18	-	-	-	-	-	2.99	3.96	5.86	-	-	-	-	-	12.81	3.90
	9	9	24	-	-	-	-	-	2.99	2.99	7.91	-	-	-	-	-	13.89	4.21
	7	24	24	-	-	-	-	-	2.28	7.61	7.61	-	-	-	-	-	17.51	5.56
	7	18	24	-	-	-	-	-	2.37	5.85	7.90	-	-	-	-	-	16.12	5.08
	7	18	18	-	-	-	-	-	2.37	5.86	5.86	-	-	-	-	-	14.09	4.33
	7	14	24	-	-	-	-	-	2.37	4.80	7.91	-	-	-	-	-	15.08	4.60
	7	14	18	-	-	-	-	-	2.37	4.80	5.86	-	-	-	-	-	13.03	3.90
	7	12	24	-	-	-	-	-	2.37	3.96	7.91	-	-	-	-	-	14.24	4.33
	7	9	24	-	-	-	-	-	2.37	2.99	7.91	-	-	-	-	-	13.27	4.00
4 Room	14	14	14	18	-	-	-	-	4.30	4.30	4.30	5.24	-	-	-	-	18.13	5.98
	14	14	14	14	-	-	-	-	4.55	4.55	4.55	4.55	-	-	-	-	18.20	5.70
	12	14	18	18	-	-	-	-	3.53	4.28	5.22	5.22	-	-	-	-	18.24	5.98
	12	14	14	18	-	-	-	-	3.61	4.38	4.38	5.34	-	-	-	-	17.71	5.98
	12	14	14	14	-	-	-	-	3.80	4.61	4.61	4.61	-	-	-	-	17.62	5.43
	12	12	18	18	-	-	-	-	3.59	3.59	5.32	5.32	-	-	-	-	17.82	5.98
	12	12	14	24	-	-	-	-	3.52	3.52	4.26	7.02	-	-	-	-	18.32	5.98
	12	12	14	18	-	-	-	-	3.79	3.79	4.59	5.61	-	-	-	-	17.77	5.70
	12	12	14	14	-	-	-	-	3.92	3.92	4.75	4.75	-	-	-	-	17.33	5.23
	12	12	12	24	-	-	-	-	3.58	3.58	3.58	7.15	-	-	-	-	17.90	5.98
	12	12	12	18	-	-	-	-	3.84	3.84	3.84	5.68	-	-	-	-	17.20	5.43
	12	12	12	14	-	-	-	-	3.94	3.94	3.94	4.78	-	-	-	-	16.60	5.11
	12	12	12	12	-	-	-	-	3.96	3.96	3.96	3.96	-	-	-	-	15.84	5.07
	9	14	18	18	-	-	-	-	2.72	4.37	5.33	5.33	-	-	-	-	17.76	5.98
	9	14	14	24	-	-	-	-	2.66	4.27	4.27	7.04	-	-	-	-	18.25	5.98
	9	14	14	18	-	-	-	-	2.87	4.60	4.60	5.62	-	-	-	-	17.68	5.56
	9	14	14	14	-	-	-	-	2.96	4.75	4.75	4.75	-	-	-	-	17.22	5.16
	9	12	18	18	-	-	-	-	2.86	3.78	5.60	5.60	-	-	-	-	17.84	5.87
	9	12	14	24	-	-	-	-	2.71	3.59	4.35	7.17	-	-	-	-	17.83	5.98
	9	12	14	18	-	-	-	-	2.90	3.85	4.66	5.69	-	-	-	-	17.11	5.32
	9	12	14	14	-	-	-	-	2.98	3.94	4.78	4.78	-	-	-	-	16.48	5.08
	9	12	12	24	-	-	-	-	2.85	3.77	3.77	7.54	-	-	-	-	17.94	5.87
	9	12	12	18	-	-	-	-	2.97	3.94	3.94	5.83	-	-	-	-	16.67	5.16
	9	12	12	14	-	-	-	-	2.99	3.96	3.96	4.80	-	-	-	-	15.71	4.91
	9	12	12	12	-	-	-	-	2.99	3.96	3.96	3.96	-	-	-	-	14.87	4.60
	9	9	18	24	-	-	-	-	2.71	2.71	5.30	7.16	-	-	-	-	17.88	5.98
	9	9	18	18	-	-	-	-	2.90	2.90	5.68	5.68	-	-	-	-	17.17	5.43
	9	9	14	24	-	-	-	-	2.86	2.86	4.58	7.55	-	-	-	-	17.85	5.70
	9	9	14	18	-	-	-	-	2.98	2.98	4.78	5.83	-	-	-	-	16.56	5.11
	9	9	14	14	-	-	-	-	2.99	2.99	4.80	4.80	-	-	-	-	15.58	4.75
	9	9	12	24	-	-	-	-	2.89	2.89	3.83	7.65	-	-	-	-	17.27	5.43
	9	9	12	18	-	-	-	-	2.99	2.99	3.96	5.86	-	-	-	-	15.80	5.07
	9	9	12	14	-	-	-	-	2.99	2.99	3.96	4.80	-	-	-	-	14.74	4.46
	9	9	12	12	-	-	-	-	2.99	2.99	3.96	3.96	-	-	-	-	13.90	4.21
	9	9	9	24	-	-	-	-	2.97	2.97	2.97	7.86	-	-	-	-	16.77	5.16
	9	9	9	18	-	-	-	-	2.99	2.99	2.99	5.86	-	-	-	-	14.83	4.60
	9	9	9	14	-	-	-	-	2.99	2.99	2.99	4.80	-	-	-	-	13.77	4.10
	9	9	9	12	-	-	-	-	2.99	2.99	2.99	3.96	-	-	-	-	12.93	3.90
	7	18	18	18	-	-	-	-	2.14	5.28	5.28	5.28	-	-	-	-	17.98	5.98
	7	14	18	18	-	-	-	-	2.26	4.57	5.58	5.58	-	-	-	-	17.99	5.87
	7	14	14	24	-	-	-	-	2.14	4.33	4.33	7.14	-	-	-	-	17.94	5.98
	7	14	14	18	-	-	-	-	2.29	4.65	4.65	5.67	-	-	-	-	17.26	5.32
	7	14	14	14	-	-	-	-	2.36	4.77	4.77	4.77	-	-	-	-	16.67	5.08
	7	12	18	24	-	-	-	-	2.13	3.56	5.26	7.10	-	-	-	-	18.05	5.98
	7	12	18	18	-	-	-	-	2.29	3.82	5.65	5.65	-	-	-	-	17.41	5.56
	7	12	14	24	-	-	-	-	2.25	3.76	4.56	7.52	-	-	-	-	18.09	5.87
	7	12	14	18	-	-	-	-	2.35	3.93	4.77	5.82	-	-	-	-	16.87	5.16
	7	12	14	14	-	-	-	-	2.37	3.96	4.80	4.80	-	-	-	-	15.93	4.91
	7	12	12	24	-	-	-	-	2.28	3.81	3.81	7.61	-	-	-	-	17.51	5.56
	7	12	12	18	-	-	-	-	2.37	3.96	3.96	5.85	-	-	-	-	16.13	5.08
	7	12	12	14	-	-	-	-	2.37	3.96	3.96	4.80	-	-	-	-	15.09	4.60
	7	12	12	12	-	-	-	-	2.37	3.96	3.96	3.96	-	-	-	-	14.25	4.33
	7	9	18	24	-	-	-	-	2.25	2.84	5.56	7.51	-	-	-	-	18.15	5.98
	7	9	18	18	-	-	-	-	2.35	2.97	5.81	5.81	-	-	-	-	16.95	5.23
	7	9	14	24	-	-	-	-	2.29	2.88	4.63	7.63	-	-	-	-	17.42	5.43
	7	9	14	18	-	-	-	-	2.37	2.99	4.80	5.86	-	-	-	-	16.02	5.07
	7	9	12	24	-	-	-	-	2.35	2.96	3.92	7.84	-	-	-	-	17.08	5.23
	7	9	12	18	-	-	-	-	2.37	2.99	3.96	5.86	-	-	-	-	15.18	4.75
	7	9	12	14	-	-	-	-	2.37	2.99	3.96	4.80	-	-	-	-	14.12	4.21
	7	9	12	12	-	-	-	-	2.37	2.99	3.96	3.96	-	-	-	-	13.28	4.00
	7	9	9	24	-	-	-	-	2.37	2.98	2.98	7.89	-	-	-	-	16.23	5.08
	7	9	9	18	-	-	-	-	2.37	2.99	2.99	5.86	-	-	-	-	14.21	4.33
	7	9	9	14	-	-	-	-	2.37	2.99	2.99	4.80	-	-	-	-	13.15	3.90
	7	7	24	24	-	-	-	-	2.11	2.11	7.03	7.03	-	-	-	-	18.28	5.98
	7	7	18	24	-	-	-	-	2.27	2.27	5.61	7.57	-	-	-	-	17.73	5.70
	7	7	18	18	-	-	-	-	2.36	2.36	5.84	5.84	-	-	-	-	16.40	5.11
	7	7	14	24	-	-	-	-	2.35	2.35	4.75	7.83	-	-	-	-	17.27	5.23

Note: •Heating capacity is based on 20°CDB(indoor temperature),7°CDB/6°CWB(outdoor temperature)
•Pipe Length: 5 m (Outdoor unit to Branch box), 3 m (Branch box to Indoor unit)
•Height difference: 0 m (Outdoor unit to Indoor unit)
•The values in this table should be used only as a guide. These values are calculated at standard conditions.
To fix your selection of models, select them according to “Model Selection” in the D&T manual.
*1:LMC type is not available for this combination.

8 Rooms Multi heating

ROG45LBT8	Combination of Indoor Unit								HEATING OPERATION									
									Heating Capacity									Input power
									Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Total	
									kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
4 Room	7	7	14	18	-	-	-	-	2.37	2.37	4.80	5.86	-	-	-	-	15.40	4.75
	7	7	14	14	-	-	-	-	2.37	2.37	4.80	4.80	-	-	-	-	14.34	4.21
	7	7	12	24	-	-	-	-	2.36	2.36	3.94	7.87	-	-	-	-	16.53	5.11
	7	7	12	18	-	-	-	-	2.37	2.37	3.96	5.86	-	-	-	-	14.56	4.46
	7	7	12	14	-	-	-	-	2.37	2.37	3.96	4.80	-	-	-	-	13.50	4.00
	7	7	9	24	-	-	-	-	2.37	2.37	2.99	7.91	-	-	-	-	15.64	4.91
	7	7	9	18	-	-	-	-	2.37	2.37	2.99	5.86	-	-	-	-	13.59	4.10
	7	7	7	24	-	-	-	-	2.37	2.37	2.37	7.91	-	-	-	-	15.02	4.60
	7	7	7	18	-	-	-	-	2.37	2.37	2.37	5.86	-	-	-	-	12.97	3.90
5 Room	12	12	12	12	14	-	-	-	3.51	3.51	3.51	3.51	4.26	-	-	-	18.32	5.98
	12	12	12	12	12	-	-	-	3.58	3.58	3.58	3.58	3.58	-	-	-	17.90	5.98
	9	12	12	14	14	-	-	-	2.66	3.52	3.52	4.27	4.27	-	-	-	18.26	5.98
	9	12	12	12	14	-	-	-	2.71	3.59	3.59	3.59	4.35	-	-	-	17.84	5.98
	9	12	12	12	12	-	-	-	2.85	3.77	3.77	3.77	3.77	-	-	-	17.95	5.87
	9	9	14	14	14	-	-	-	2.67	2.67	4.28	4.28	4.28	-	-	-	18.19	5.98
	9	9	12	14	18	-	-	-	2.66	2.66	3.52	4.26	5.21	-	-	-	18.30	5.98
	9	9	12	14	14	-	-	-	2.72	2.72	3.60	4.37	4.37	-	-	-	17.77	5.98
	9	9	12	12	18	-	-	-	2.71	2.71	3.58	3.58	5.30	-	-	-	17.88	5.98
	9	9	12	12	14	-	-	-	2.86	2.86	3.78	3.78	4.58	-	-	-	17.86	5.70
	9	9	12	12	12	-	-	-	2.89	2.89	3.83	3.83	3.83	-	-	-	17.28	5.43
	9	9	9	14	18	-	-	-	2.71	2.71	2.71	4.36	5.32	-	-	-	17.82	5.98
	9	9	9	14	14	-	-	-	2.86	2.86	2.86	4.59	4.59	-	-	-	17.77	5.56
	9	9	9	12	18	-	-	-	2.85	2.85	2.85	3.78	5.59	-	-	-	17.92	5.87
	9	9	9	12	14	-	-	-	2.90	2.90	2.90	3.84	4.65	-	-	-	17.19	5.32
	9	9	9	12	12	-	-	-	2.97	2.97	2.97	3.93	3.93	-	-	-	16.78	5.16
	9	9	9	9	24	-	-	-	2.70	2.70	2.70	2.70	7.14	-	-	-	17.94	5.98
	9	9	9	9	18	-	-	-	2.89	2.89	2.89	2.89	5.67	-	-	-	17.25	5.43
	9	9	9	9	14	-	-	-	2.97	2.97	2.97	2.97	4.77	-	-	-	16.67	5.11
	9	9	9	9	12	-	-	-	2.99	2.99	2.99	2.99	3.96	-	-	-	15.92	5.07
	9	9	9	9	9	-	-	-	2.99	2.99	2.99	2.99	2.99	-	-	-	14.95	4.60
	7	12	14	14	14	-	-	-	2.10	3.51	4.25	4.25	4.25	-	-	-	18.37	5.98
	7	12	12	14	14	-	-	-	2.14	3.57	3.57	4.33	4.33	-	-	-	17.95	5.98
	7	12	12	12	18	-	-	-	2.13	3.56	3.56	3.56	5.26	-	-	-	18.06	5.98
	7	12	12	12	14	-	-	-	2.25	3.76	3.76	3.76	4.56	-	-	-	18.10	5.87
	7	12	12	12	12	-	-	-	2.28	3.81	3.81	3.81	3.81	-	-	-	17.52	5.56
	7	9	14	14	18	-	-	-	2.09	2.64	4.24	4.24	5.18	-	-	-	18.40	5.98
	7	9	14	14	14	-	-	-	2.14	2.71	4.34	4.34	4.34	-	-	-	17.88	5.98
	7	9	12	14	18	-	-	-	2.13	2.69	3.57	4.32	5.28	-	-	-	17.99	5.98
	7	9	12	14	14	-	-	-	2.26	2.85	3.77	4.57	4.57	-	-	-	18.01	5.70
	7	9	12	12	18	-	-	-	2.25	2.84	3.76	3.76	5.56	-	-	-	18.16	5.98
	7	9	12	12	14	-	-	-	2.28	2.88	3.82	3.82	4.63	-	-	-	17.43	5.43
	7	9	12	12	12	-	-	-	2.35	2.96	3.92	3.92	3.92	-	-	-	17.09	5.23
	7	9	9	18	18	-	-	-	2.13	2.69	2.69	5.27	5.27	-	-	-	18.04	5.98
	7	9	9	14	18	-	-	-	2.25	2.84	2.84	4.56	5.57	-	-	-	18.07	5.87
	7	9	9	14	14	-	-	-	2.29	2.89	2.89	4.64	4.64	-	-	-	17.34	5.32
	7	9	9	12	24	-	-	-	2.12	2.68	2.68	3.55	7.08	-	-	-	18.11	5.98
	7	9	9	12	18	-	-	-	2.28	2.88	2.88	3.81	5.64	-	-	-	17.49	5.56
	7	9	9	12	14	-	-	-	2.35	2.97	2.97	3.93	4.76	-	-	-	16.97	5.16
	7	9	9	12	12	-	-	-	2.37	2.98	2.98	3.95	3.95	-	-	-	16.24	5.08
	7	9	9	9	24	-	-	-	2.17	2.74	2.74	2.74	7.24	-	-	-	17.63	5.98
	7	9	9	9	18	-	-	-	2.35	2.96	2.96	2.96	5.81	-	-	-	17.05	5.23
	7	9	9	9	14	-	-	-	2.37	2.99	2.99	2.99	4.79	-	-	-	16.12	5.07
	7	9	9	9	12	-	-	-	2.37	2.99	2.99	2.99	3.96	-	-	-	15.30	4.75
	7	9	9	9	9	-	-	-	2.37	2.99	2.99	2.99	2.99	-	-	-	14.33	4.33
	7	7	14	14	18	-	-	-	2.12	2.12	4.30	4.30	5.25	-	-	-	18.10	5.98
	7	7	14	14	14	-	-	-	2.25	2.25	4.55	4.55	4.55	-	-	-	18.16	5.70
	7	7	12	18	18	-	-	-	2.11	2.11	3.53	5.23	5.23	-	-	-	18.21	5.98
	7	7	12	14	18	-	-	-	2.16	2.16	3.62	4.38	5.35	-	-	-	17.68	5.98
	7	7	12	14	14	-	-	-	2.28	2.28	3.80	4.61	4.61	-	-	-	17.58	5.43
	7	7	12	12	24	-	-	-	2.11	2.11	3.52	3.52	7.03	-	-	-	18.29	5.98
	7	7	12	12	14	-	-	-	2.35	2.35	3.92	3.92	4.75	-	-	-	17.28	5.23
	7	7	12	12	12	-	-	-	2.36	2.36	3.94	3.94	3.94	-	-	-	16.54	5.11
	7	7	9	18	18	-	-	-	2.16	2.16	2.72	5.34	5.34	-	-	-	17.73	5.98
	7	7	9	14	24	-	-	-	2.11	2.11	2.67	4.28	7.05	-	-	-	18.22	5.98
	7	7	9	14	18	-	-	-	2.27	2.27	2.87	4.61	5.62	-	-	-	17.64	5.56
	7	7	9	14	14	-	-	-	2.35	2.35	2.96	4.75	4.75	-	-	-	17.16	5.16
	7	7	9	12	24	-	-	-	2.15	2.15	2.72	3.60	7.18	-	-	-	17.80	5.98
	7	7	9	12	18	-	-	-	2.34	2.34	2.96	3.92	5.80	-	-	-	17.36	5.32
	7	7	9	12	14	-	-	-	2.36	2.36	2.98	3.95	4.78	-	-	-	16.43	5.08
	7	7	9	12	12	-	-	-	2.37	2.37	2.99	3.96	3.96	-	-	-	15.65	4.91
	7	7	9	9	24	-	-	-	2.27	2.27	2.86	2.86	7.56	-	-	-	17.81	5.70
	7	7	9	9	18	-	-	-	2.36	2.36	2.98	2.98	5.83	-	-	-	16.51	5.11
	7	7	9	9	14	-	-	-	2.37	2.37	2.99	2.99	4.80	-	-	-	15.52	4.75
	7	7	9	9	12	-	-	-	2.37	2.37	2.99	2.99	3.96	-	-	-	14.68	4.46
	7	7	9	9	9	-	-	-	2.37	2.37	2.99	2.99	2.99	-	-	-	13.71	4.10
	7	7	7	18	18	-	-	-	2.26	2.26	2.26	5.58	5.58	-	-	-	17.95	5.87
	7	7	7	14	24	-	-	-	2.14	2.14	2.14	4.34	7.15	-	-	-	17.91	5.98
	7	7	7	14	18	-	-	-	2.30	2.30	2.30	4.65	5.68	-	-	-	17.22	5.32
	7	7	7	14	14	-	-	-	2.36	2.36	2.36	4.77	4.77	-	-	-	16.62	5.08
	7	7	7	12	24	-	-	-	2.25	2.25	2.25	3.77	7.52	-	-	-	18.05	5.87
	7	7	7	12	18	-	-	-	2.35	2.35	2.35	3.93	5.82	-	-	-	16.81	5.16
	7	7	7	12	14	-	-	-	2.37	2.37	2.37	3.96	4.80	-	-	-	15.87	4.91
	7	7	7	12	12	-	-	-	2.37	2.37	2.37	3.96	3.96	-	-	-	15.03	4.60
	7	7	7	9	24	-	-	-	2.29	2.29	2.29	2.89	7.63	-	-	-	17.38	5.43
	7	7	7	9	18	-	-	-	2.37	2.37	2.37	2.99	5.86	-	-	-	15.96	5.07
	7	7	7	9	14	-	-	-	2.37	2.37	2.37	2.99	4.80	-	-	-	14.90	4.46
	7	7	7	9	12	-	-	-	2.37	2.37	2.37	2.99	3.96	-	-	-	14.06	4.21
	7	7	7	9	9	-	-	-	2.37	2.37	2.37	2.99	2.99	-	-	-	13.09	3.90
	7	7	7	7	24	-	-	-	2.35	2.35	2.35	2.35	7.83	-	-	-	17.22	5.23
	7	7	7	7	18	-	-	-	2.37	2.37	2.37	2.37	5.86	-	-	-	15.34	4.75
	7	7	7	7	14	-	-	-	2.37	2.37	2.37	2.37	4.80	-	-	-	14.28	4.21
	7	7	7	7	12	-	-	-	2.37	2.37	2.37	2.37	3.96	-	-	-	13.44	4.00
6 Room	9	9	9	9	12	14	-	-	2.65	2.65	2.65	2.65	3.51	4.25	-	-	18.36	5.98
	9	9	9	9	12	12	-	-	2.70	2.70	2.70	2.70	3.57	3.57	-	-	17.94	5.98
	9	9	9	9	9	14	-	-	2.71	2.71	2.71	2.71	2.71	4.34	-	-	17.88	5.98
	9	9	9	9	9	12	-	-	2.85	2.85	2.85	2.85	2.85	3.77	-	-	18.00	5.87
	9	9	9	9	9	9	-	-	2.89	2.89	2.89	2.89	2.89	2.89	-	-	17.33	5.43
	7	9	9	12	12	12	-	-	2.12	2.68	2.68	3.55	3.55	3.55	-	-	18.12	5.98
	7	9	9	9	12	14	-	-	2.13	2.69	2.69	2.69	3.56	4.31	-	-	18.05	5.98
	7	9	9	9	12	12	-	-	2.17	2.74	2.74	2.74	3.62	3.62	-	-	17.63	5.98

Note: •Heating capacity is based on 20°CDB(indoor temperature),7°CDB/6°CWB(outdoor temperature)
•Pipe Length: 5 m (Outdoor unit to Branch box), 3 m (Branch box to Indoor unit)
•Height difference: 0 m (Outdoor unit to Indoor unit)
•The values in this table should be used only as a guide. These values are calculated at standard conditions.
To fix your selection of models, select them according to “Model Selection” in the D&T manual.

8 Rooms Multi heating

ROG45LBT8	Combination of Indoor Unit								HEATING OPERATION									
									Heating Capacity									Input power
									Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Total	
									kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6 Room	7	9	9	9	9	18	-	-	2.12	2.68	2.68	2.68	2.68	5.25	-	-	18.10	5.98
	7	9	9	9	9	12	-	-	2.28	2.87	2.87	2.87	2.87	3.81	-	-	17.57	5.56
	7	9	9	9	9	9	-	-	2.35	2.96	2.96	2.96	2.96	2.96	-	-	17.16	5.23
	7	7	12	12	12	12	-	-	2.11	2.11	3.52	3.52	3.52	3.52	-	-	18.29	5.98
	7	7	9	12	12	14	-	-	2.11	2.11	2.66	3.53	3.53	4.28	-	-	18.23	5.98
	7	7	9	12	12	12	-	-	2.15	2.15	2.71	3.60	3.60	3.60	-	-	17.81	5.98
	7	7	9	9	14	14	-	-	2.12	2.12	2.67	2.67	4.29	4.29	-	-	18.16	5.98
	7	7	9	9	12	18	-	-	2.11	2.11	2.66	2.66	3.52	5.21	-	-	18.27	5.98
	7	7	9	9	12	14	-	-	2.16	2.16	2.72	2.72	3.61	4.37	-	-	17.74	5.98
	7	7	9	9	12	12	-	-	2.27	2.27	2.86	2.86	3.78	3.78	-	-	17.82	5.70
	7	7	9	9	9	18	-	-	2.15	2.15	2.72	2.72	2.72	5.33	-	-	17.79	5.98
	7	7	9	9	9	14	-	-	2.27	2.27	2.86	2.86	2.86	4.60	-	-	17.73	5.56
	7	7	9	9	9	12	-	-	2.30	2.30	2.90	2.90	2.90	3.84	-	-	17.15	5.32
	7	7	9	9	9	9	-	-	2.36	2.36	2.97	2.97	2.97	2.97	-	-	16.61	5.11
	7	7	7	12	14	14	-	-	2.10	2.10	2.10	3.51	4.26	4.26	-	-	18.34	5.98
	7	7	7	12	12	14	-	-	2.14	2.14	2.14	3.58	3.58	4.34	-	-	17.92	5.98
	7	7	7	12	12	12	-	-	2.25	2.25	2.25	3.77	3.77	3.77	-	-	18.06	5.87
	7	7	7	9	14	18	-	-	2.10	2.10	2.10	2.65	4.25	5.19	-	-	18.38	5.98
	7	7	7	9	14	14	-	-	2.15	2.15	2.15	2.71	4.35	4.35	-	-	17.85	5.98
	7	7	7	9	12	18	-	-	2.14	2.14	2.14	2.70	3.57	5.28	-	-	17.96	5.98
	7	7	7	9	12	14	-	-	2.26	2.26	2.26	2.85	3.77	4.57	-	-	17.97	5.70
	7	7	7	9	12	12	-	-	2.29	2.29	2.29	2.89	3.82	3.82	-	-	17.39	5.43
	7	7	7	9	9	18	-	-	2.25	2.25	2.25	2.84	2.84	5.57	-	-	18.03	5.87
	7	7	7	9	9	14	-	-	2.29	2.29	2.29	2.89	2.89	4.64	-	-	17.30	5.32
	7	7	7	9	9	12	-	-	2.35	2.35	2.35	2.97	2.97	3.93	-	-	16.92	5.16
	7	7	7	9	9	9	-	-	2.37	2.37	2.37	2.99	2.99	2.99	-	-	16.07	5.07
	7	7	7	7	14	18	-	-	2.13	2.13	2.13	2.13	4.31	5.26	-	-	18.07	5.98
	7	7	7	7	14	14	-	-	2.25	2.25	2.25	2.25	4.56	4.56	-	-	18.12	5.70
	7	7	7	7	12	18	-	-	2.17	2.17	2.17	2.17	3.62	5.36	-	-	17.65	5.98
	7	7	7	7	12	14	-	-	2.28	2.28	2.28	2.28	3.81	4.62	-	-	17.54	5.43
	7	7	7	7	12	12	-	-	2.35	2.35	2.35	2.35	3.92	3.92	-	-	17.23	5.23
	7	7	7	7	9	24	-	-	2.12	2.12	2.12	2.12	2.67	7.06	-	-	18.19	5.98
	7	7	7	7	9	18	-	-	2.28	2.28	2.28	2.28	2.87	5.63	-	-	17.60	5.56
	7	7	7	7	9	14	-	-	2.35	2.35	2.35	2.35	2.96	4.76	-	-	17.11	5.16
	7	7	7	7	9	12	-	-	2.36	2.36	2.36	2.36	2.98	3.95	-	-	16.38	5.08
	7	7	7	7	9	9	-	-	2.37	2.37	2.37	2.37	2.99	2.99	-	-	15.46	4.75
	7	7	7	7	7	24	-	-	2.14	2.14	2.14	2.14	2.14	7.16	-	-	17.88	5.98
	7	7	7	7	7	18	-	-	2.30	2.30	2.30	2.30	2.30	5.68	-	-	17.18	5.32
	7	7	7	7	7	14	-	-	2.36	2.36	2.36	2.36	2.36	4.78	-	-	16.57	5.08
	7	7	7	7	7	12	-	-	2.37	2.37	2.37	2.37	2.37	3.96	-	-	15.81	4.91
	7	7	7	7	7	9	-	-	2.37	2.37	2.37	2.37	2.37	2.99	-	-	14.84	4.46
	7	7	7	7	7	7	-	-	2.37	2.37	2.37	2.37	2.37	2.37	-	-	14.22	4.21
7 Room	7	9	9	9	9	9	9	-	2.12	2.67	2.67	2.67	2.67	2.67	2.67	-	18.16	5.98
	7	7	9	9	9	9	12	-	2.10	2.10	2.65	2.65	2.65	2.65	3.51	-	18.33	5.98
	7	7	9	9	9	9	9	-	2.15	2.15	2.71	2.71	2.71	2.71	2.71	-	17.85	5.98
	7	7	7	9	9	9	14	-	2.09	2.09	2.09	2.63	2.63	2.63	4.23	-	18.40	5.98
	7	7	7	9	9	9	12	-	2.13	2.13	2.13	2.69	2.69	2.69	3.56	-	18.02	5.98
	7	7	7	9	9	9	9	-	2.25	2.25	2.25	2.84	2.84	2.84	2.84	-	18.11	5.87
	7	7	7	7	9	12	12	-	2.11	2.11	2.11	2.11	2.67	3.53	3.53	-	18.20	5.98
	7	7	7	7	9	9	14	-	2.12	2.12	2.12	2.12	2.68	2.68	4.30	-	18.13	5.98
	7	7	7	7	9	9	12	-	2.16	2.16	2.16	2.16	2.73	2.73	3.61	-	17.71	5.98
	7	7	7	7	9	9	9	-	2.27	2.27	2.27	2.27	2.87	2.87	2.87	-	17.68	5.56
	7	7	7	7	7	12	14	-	2.10	2.10	2.10	2.10	2.10	3.52	4.26	-	18.31	5.98
	7	7	7	7	7	12	12	-	2.14	2.14	2.14	2.14	2.14	3.58	3.58	-	17.89	5.98
	7	7	7	7	7	9	18	-	2.10	2.10	2.10	2.10	2.10	2.65	5.19	-	18.35	5.98
	7	7	7	7	7	9	14	-	2.15	2.15	2.15	2.15	2.15	2.71	4.36	-	17.82	5.98
	7	7	7	7	7	9	12	-	2.26	2.26	2.26	2.26	2.26	2.85	3.78	-	17.93	5.70
	7	7	7	7	7	9	9	-	2.29	2.29	2.29	2.29	2.29	2.89	2.89	-	17.26	5.32
	7	7	7	7	7	7	18	-	2.13	2.13	2.13	2.13	2.13	2.13	5.26	-	18.04	5.98
	7	7	7	7	7	7	14	-	2.25	2.25	2.25	2.25	2.25	2.25	4.56	-	18.08	5.70
	7	7	7	7	7	7	12	-	2.28	2.28	2.28	2.28	2.28	2.28	3.81	-	17.50	5.43
	7	7	7	7	7	7	9	-	2.35	2.35	2.35	2.35	2.35	2.35	2.96	-	17.06	5.16
	7	7	7	7	7	7	7	-	2.36	2.36	2.36	2.36	2.36	2.36	2.36	-	16.52	5.08
8 Room	7	7	7	7	7	9	9	9	2.09	2.09	2.09	2.09	2.09	2.64	2.64	2.64	18.40	5.98
	7	7	7	7	7	7	9	9	2.12	2.12	2.12	2.12	2.12	2.12	2.68	2.68	18.10	5.98
	7	7	7	7	7	7	7	12	2.11	2.11	2.11	2.11	2.11	2.11	2.11	3.52	18.28	5.98
	7	7	7	7	7	7	7	9	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.72	17.79	5.98
	7	7	7	7	7	7	7	7	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	18.04	5.70

Note: •Heating capacity is based on 20°CDB(indoor temperature),7°CDB/6°CWB(outdoor temperature)
•Pipe Length: 5 m (Outdoor unit to Branch box), 3 m (Branch box to Indoor unit)
•Height difference: 0 m (Outdoor unit to Indoor unit)
•The values in this table should be used only as a guide. These values are calculated at standard conditions.
To fix your selection of models, select them according to “Model Selection” in the D&T manual.

OPTIONAL PARTS FOR SPLIT & MULTI SPLIT

	Type		Wall Mounted						Duct								Cassette				Floor	Ceiling/Floor		Ceiling
			Compact				Large		Slim		Medium static	Medium static	High static				Compact		Large					
			RSG 09/12LTCA	RSG 07/09/12/14 LUCA	RSG 07/09/12/14 LMCA	RSG 07/09/12 LLCC	RSG 18/30LFCA 24LFCC	RSG 30/36LMTA	RDG 07/09LLTA 12/14LLTB	RDG18LLTB	RDG 22/24/36/45 LMLA 30/36LMLE	RDG 12/14/18/ 24/30/45/54 LHTBP	RDG 45/54LHTA	RDG60LHTA	RDC 72/90LHTA	RCG 07/09LVLA 12/14/18 LVLB	RCG 22/24LVLA	RCG 30/36LRLE 36/45/54 LRLA	RCG 18/24/30/ 36/45/54 LRLB	RGG 09/12/14 LVCA	RYG 14LVTA 18LVTB	RYG 22/24LVTA	RYG 30/36LRTE 36/45/54 LRTA
Controllers	Wired Remote Controller							● UTY-RNRXZ1 + UTY-TWRX				● UTY-RNRXZ1							● UTY-RNRXZ1				
			● UTY-RVNXM				● UTY-RVNXM	● UTY-RVNXM +UTY-XWNX	● UTY-RVNXM							● UTY-RVNXM				● UTY-RVNXM	● UTY-RVNXM		● UTY-RVNXM
			● UTY- RNNXM				● UTY-RNNXM	● UTY-RNNXM +UTY-XWNX	● UTY- RNNXM							● UTY-RNNXM				● UTY-RNNXM	● UTY- RNNXM		● UTY-RNNXM
	Simple Remote Controller		● UTY-RSNXM				● UTY-RSNXM	● UTY-RSNXM +UTY-XWNX	● UTY-RSNXM							● UTY-RSNXM				● UTY-RSNXM	● UTY-RSNXM		● UTY-RSNXM
	Central Remote Controller	For 8 Rooms Multi		● UTY-DMMXM			● UTY-DMMXM		● UTY-DMMXM							● UTY-DMMXM				● UTY-DMMXM	● UTY-DMMXM		
Others	IR Receiver Kit with Wireless Remote Controller	For Duct For Cassette							● UTY-LRHXM					● UTY-LRHXM				● UTY-LRHFA2					
		For Duct For Cassette										● UTY-LBTXM							● UTY-LBTXC				
	Human Sensor Kit																		● UTY-SHZXC				
	Remote Sensor Unit	New amenity space can be offered byinstalling the Remote sensor.							● UTY-XSZX														
	Auto Louver Grille Kit								● UTD-GXTA-W	● UTD-GXTB-W													
	Long Life Filter										● UTD-LF25NA	● UTD-LFNA UTD-LFNB UTD-LFNC	● UTD-LF60KA										
	Flange										● UTD-RF204 UTD-SF045T												● UTD-RF204
	Drain Pump Unit										● UTZ-PX1NBA												● UTR-DPB24T
	Wide Panel																	● UTG-AKXA-W					
	Panel Spacer	Panel spacer																● UTG-BKXA-W					
	Fresh Air Intake Kit	For Compact Cassette For Cassette														● UTZ-VXAA		● UTZ-VXRA					
	Air Outlet Shutter Plate	For Compact Cassette For Cassette														● UTR-YDZB		● UTR-YDZK					
	Insulation for High Humidity	For Compact Cassette type / Cassette type														● UTZ-KXGC		● UTZ-KXRA					
	Half Concealed Kit	This kit is used to half conceal floor type indoor unit into the wall.																		● UTR-STA			
	Remote controller holder					● UTZ-RXLA																	

Optional parts list (Interface /Communication Kit/External Connect Kit)

Type			Indoor unit																						Outdoor unit				
			Wall Mounted					Duct							Cassette				Floor	Ceiling/ Floor		Ceiling	Single-phase		3-phase				
			Compact			Large		Slim		Medium static		High static			Compact		Large						Single Split		Single Split		Simultaneous Multi		
			RSG 09/12LTCA	RSG 07/09/12/14 LUCA	RSG 07/09/12/14 LMCA	RSG 18/30LFCA 24LFCC	RSG 30/36LMTA	RDG 07/09LLTA 12/14LLTB	RDG18LLTB	RDG 22/24/36/45 LMLA 30/36LMLE	RDG 12/18/24/ 30/45/54 LHTBP	RDG 45/54LHTA	RDG 60LHTA	RDC 72/90LHTA	RCG 07/09/12/ 14/18 LVLB	RCG 22/24LVLA	RCG 30/36LRLE 36/45/54 LRLA	RCG 18/24/30/ 36/45/54 LRLB	RGG 09/12/14 LVCA	RYG 14/18LVTB	RYG 22/24LVTA	RYG 30/36LRTE 36/45/54 LRTA	ROG 45/54LETL	ROG 45LBT8	ROG 36/45/54/60 LATT	ROA 72/90LALT	ROG 36/45/54 LATT		
Interface	Wireless LAN Interface		UTY-TFNXZ1					UTY-TFNXZ1							UTY-TFNXZ1				UTY-TFNXZ1	UTY-TFNXZ1		UTY-TFNXZ1							
			FJ-RC-WIFI-1					FJ-RC-WIFI-1							FJ-RC-WIFI-1				FJ-RC-WIFI-1	FJ-RC-WIFI-1		FJ-RC-WIFI-1							
	KNX Interface		FJ-RC-KNX-1i					FJ-RC-KNX-1i							FJ-RC-KNX-1i				FJ-RC-KNX-1i	FJ-RC-KNX-1i		FJ-RC-KNX-1i							
	Modobus Convertor						UTY-VMSX				UTY-VMSX							UTY-VMSX											
	MODBUS Interface		FJ-RC-MBS-1			FJ-RC-MBS-1		FJ-RC-MBS-1							FJ-RC-MBS-1				FJ-RC-MBS-1	FJ-RC-MBS-1		FJ-RC-MBS-1							
Communication Kit			UTY-TWBXF	UTY-XCBXZ2			UTY-TWRX																						
							UTY-XWNX																						
External input and output PCB							UTY-XCSZ1				UTY-XCSX							UTY-XCSX											
External input and output PCB Box							UTZ-GXXB											UTZ-GXRA											
External input and output PCB Bracket											UTZ-GXNA																		
External Connect Kit											UTY-XWZXZG							UTY-XWZXZG											
	For Indoor Unit *Duct type is excluded.					UTY-XWZX									UTY-XWZX				UTY-XWZX	UTY-XWZX		UTY-XWZX							
	For Indoor Unit *Duct type is excluded.		UTY-XWZXZ5																										
	For Outdoor Unit																								UTY-XWZXZ2				
	For Outdoor Unit																						UTY-XWZXZ3						
	For Outdoor Unit																							UTY-XWZXZ4		UTY-XWZXZ4			
External Control Set	For Indoor Unit (Duct type only) Use to connect with various peripheral devices and air conditioner PC board.							UTD-ECS5A				UTD-ECS5A			UTD-ECS5A							UTD-ECS5A							

REFRIGERANT PIPING PARTS

Connection Units

Separation Tube

UTP-SX236A / UTP-SX254A

For 3-phase simultaneous multi



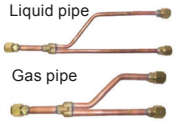
UTP-SX354A

For 3-phase simultaneous multi



UTP-SX248A

For 8 Rooms Multi



Branch Box

UTP-PY03A / UTP-PY02A

For 8 Rooms Multi



3 zones type



2 zones type

Function list

External Control		Input					Output					
		Start/Stop	Peak cut	Low noise	Priority	Emergency stop	Operation status	Error status	Fresh Air	Auxiliary Heater	Base heater	Preparation
Wall Mounted												
Compact	RSG09/12LTCA (A*)	●2					●2	●2				
	RSG07/09/12/14LUCA (A*)	●2					●2	●2				
	RSG07/09/12/14LMCA (B*)	●2					●2	●2				
Large	RSG18/30LFCA RSG24LFCC	●1					●1					
	RSG30/36LMTA (C*)	●1					●1	●3				
Duct												
Slim	RDG07/09LLTA RDG12/14/18LLTB	●4					●4		●4	●4		
Medium Static	RDG24/36/45LMLA RDG30/36LMLE	●4					●4		●4	●4		
	RDG12/14/18/24/30/36/45/54LHTBP (D*)	●0*					●3	●3	●3	●3		
High Static	RDG45/54LHTA	●4					●4		●4	●4		
	RDC60LHTA	●4					●4	●4	●4	●4		
	RDC72/90LHTA	●4					●4	●4	●4	●4		
Cassette												
Compact	RCG07/09LVLA RCG12/14/18LVLB	●4					●4		●0*			
	RCG24LVLA	●4					●4		●0*			
Large	RCG30/36LRLE RCG36/45/54LRLA	●4					●4		●0*			
	RCG 18/24/30/36/45/54LRLB (E*)	●0*					●3	●3	●3	●3		
Floor												
	RGG09/12/14LVCA	●1					●1					
Floor Ceiling												
	RYG14LVTA RYG18LVTB	●1					●1					
	RYG24LVTA	●1					●1					
Ceiling												
	RYG30/36LRTE	●1					●1		●4			
	RYG36/45/54LRTA	●1					●1		●4			
Single phase												
Single Split	ROG45/54LETL		●6	●6			●6	●6				
8 Rooms Multi	ROG45LBT8		●6	●6	●6	●6		●6			●7	
Simultanious Multi	ROG36/45LBTB		●6	●6			●6	●6				
3Phase												
Single Split	ROG36/45/54/60LATT		●5	●5			●5	●5				
	ROA72/90LALT		●5	●5			●5	●5			●7	
Simultanious Multi	ROG36/45/54LATT		●5	●5			●5	●5				

A* : UTY-TWBXF Communication Kit required
B* : UTY-XCBXZ2 Communication Kit required
C* : UTY-XCSXZ1 External input and output PCB/UTZ-GXXB External input and output PCB Box required
D* : UTY-XCSX External input and output PCB/UTZ-GXNA External input and output PCB Bracket required
E*: UTY-XCSX External input and output PCB/UTZ-GXRA External input and output PCB Box required
0* : Optional part is not required

Communication Kit



UTY-TWBXF/UTY-XCBXZ2

External input and output PCB

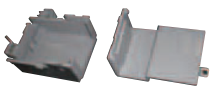


UTY-XCSXZ1



UTY-XCSX

External input and output PCB Box



UTZ-GXXB



UTZ-GXRA

External input and output PCB Bracket



UTZ-GXNA

External Connect Kit
For Indoor Unit



1=UTY-XWZX

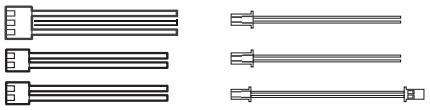


2=UTY-XWZXZ5



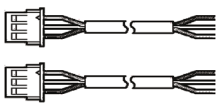
3=UTY-XWZXZG

External Control Set
For Indoor Unit



4=UTD-ECS5A

External Connect Kit
For Outdoor unit



5=UTY-XWZXZ2



6=UTY-XWZXZ3



7=UTY-XWZXZ4

NEW Wired Remote Controller (Touch Panel)

UTY-RNRXZ1



Max. Controllable
16 indoor units

Features

Easy operation by high-definition large STN-LCD touch panel screen

- Easy finger touch operation with LCD panel
- Built-in weekly/Daily timer(ON/OFF,Temp.,Mode)
- Backlight enables easy operation in a darkened room
- Room temperature display
- Control up to 16 indoor units
- Corresponds to 12 different languages (English, Chinese, French, German, Spanish, Russian, Polish, Italian, Greek, Portuguese, Turkish and Dutch)
- 2-wire type

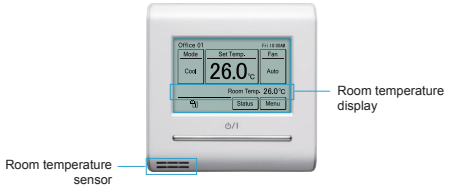
High performance and compact size

In addition to the individual control, weekly timer, and various energy saving controls can be realized using one remote controller only.



Accurate and comfortable control

Indoor temperature can be detected accurately by the inclusion of a thermo sensor in the body of the wired controller.



Various energy saving control

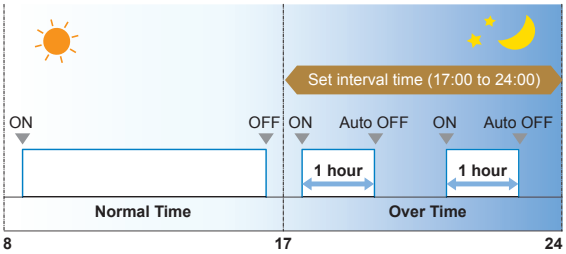
Auto OFF timer

- The indoor unit automatically is turned off when it reaches to the preset operating time frame.
- The time frame of the “Auto off timer” can be flexibly scheduled.
- Can be set off time 30 to 240 minutes

2 schedules Weekly Timer

Set Temperature Auto Return

Set Temperature Upper and Lower Limit Setting



Ex.) At interval time hour (17:00 to 24:00) to prevent forgetting to turn off
Set off time : 1 hour

Specifications

Model name	UTY-RNRXZ1
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 20.4
Weight (g)	220

DC12 V is supplied by the indoor unit.

Wired Remote Controller

UTY-RVNXM



Max. Controllable
16 indoor units

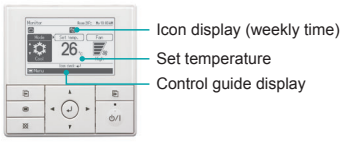
Features

Hi-grade individual control using various functions.

- 3.7-inch LCD backlight screen.
- Supporting various Energy Saving functions with simple operation.
- Multiple Language Support.
  (English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)

High visibility and Easy operation

- Icon display of effectual functions.
- Main functions in large icons: “Mode”, “Set Temp”, and “Fan”.
- Easy to operate by Control guide display.
- Simple operation with easy 4-way navigation pad.



High performance and compact size

- In addition to the individual control, various energy saving controls can be realized using only one remote controller.

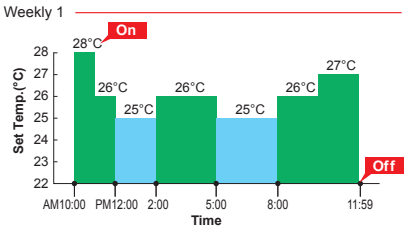
Individual control + **Thermo sensor** + **Weekly timer** + **Auto off timer** →



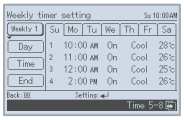
Various energy saving control

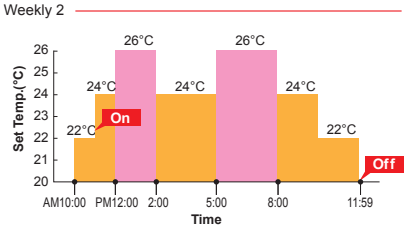
Weekly Timer function

- Can be set up to 8 times per day (On/Off, mode,Temp)
- 2 pattern settings(i.e. Summer/Winter setting) are available.

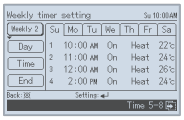


Setting menu in remote controller





Setting menu in remote controller



Auto OFF Timer

Set Temperature Auto Return

Set Temperature Upper and Lower Limit Setting

Specifications

Model name	UTY-RVNXM
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 21.3
Weight (g)	220

DC12 V is supplied by the indoor unit.

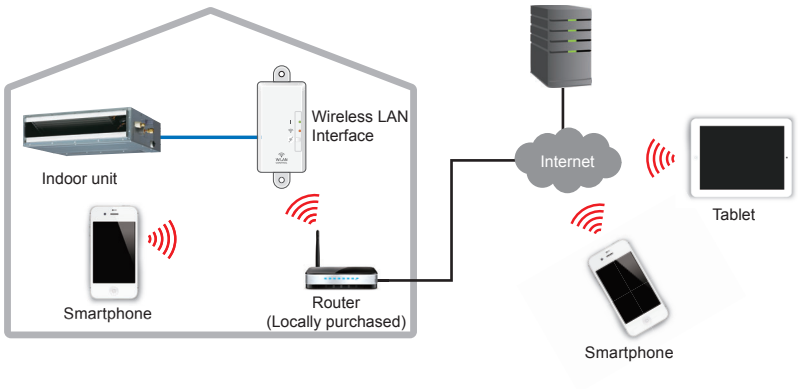
NEW Wireless LAN Interface

UTY-TFNXZ1



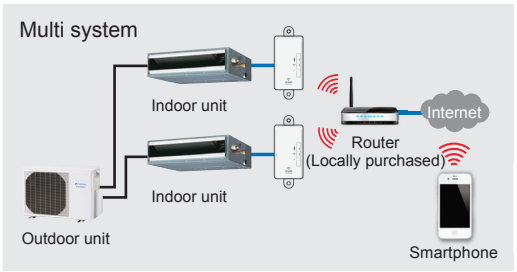
Features

- It is the most advanced solution to remotely manage an Air Conditioning system using all sort of mobile devices such as Smartphones, and tablets.
- No separate external power supply required
- Can be used for single indoor units and multi system indoor units



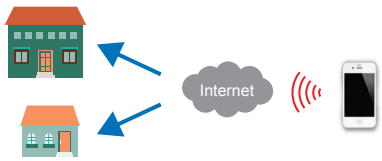
Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louver position (Airflow direction setting)
- Room temperature setting
- Timer operation setting (Weekly timer)
- Economy mode setting



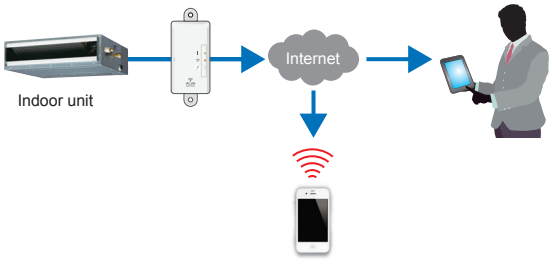
Multiple air conditioning management

- Multiple air conditioning management at difference locations.



Error display & E-mail notification

- Alerts e-mail notification
- Air conditioning malfunction display
- It enables rapid service response when error occurs.



Specifications

Model name	UTY-TFNXZ1
Dimensions (H × W × D) (mm)	71×38×15
Weight (g)	85

Wireless LAN Interface

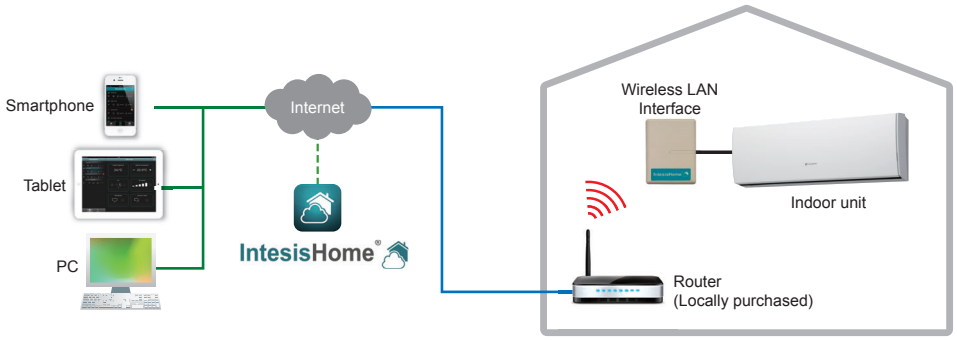
FJ-RC-WIFI-1



Features

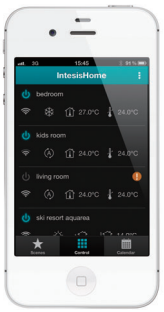
IntesisHome®

- It is the most advanced solution to remotely manage an Air Conditioning system using all sort of mobile devices such as Smartphones, Tablets and PC
- No separate external power supply required
- Can be used for single indoor units and group controlled (up to 16) indoor units



Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louver position (Airflow direction setting)
- Room temperature display
- Set temperature control
- Multi Language
- One Scene and Timer



Advanced control (Optional functions)

- Climate working modes (ECO, Comfort, Powerful) (future release)
- Schedulable functionalities (ON/OFF, Modes, Set point temperature, Fan Speed, Louver position)
- Set temperature limitation (future release)
- Multiple Scenes & Timers and Calendar function

Notifications and history

- Alerts e-mail notification (future release)
- Air conditioning malfunction alerts
- Connectivity monitoring and alerts
- History (future release)

Specifications

Model name	FJ-RC-WIFI-1
Dimensions (H × W × D) (mm)	70×108×28
Weight (g)	80

NEW MODBUS® Convertor for Indoor Unit

UTY-VMSX



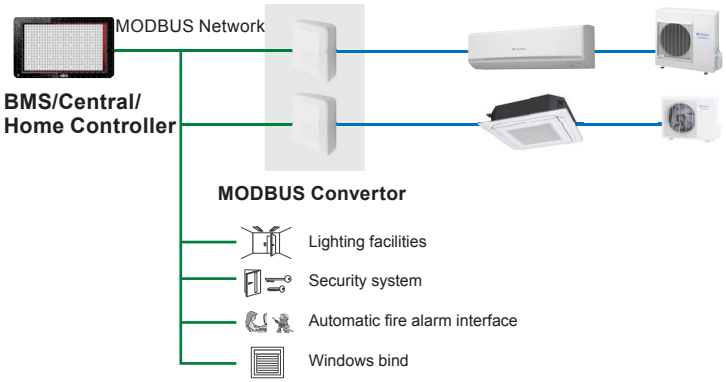
Max. Connectable

1 Single indoor unit

Features

The MODBUS Convertor allows a complete integration of air conditioners into MODBUS Networks.

- Simple installation due to small and compact size.
- No separate external power supply required.
- The MODBUS Convertor must be connected one by one in the indoor unit.
- The MODBUS Controller permits central monitoring and control of air conditioners from BMS/Central/Home Controller.

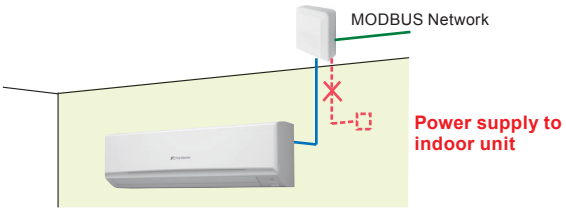


Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louver position (Airflow direction setting)
- Room temperature setting and display
- Economy mode setting
- Error status

Easy Installation

Flexible installation locations with neat wirings are feasible since no power supply cable is used in the convertor.



Specifications

Model name			UTY-VMSX
Power supply			AC220/240V 50/60Hz AC208/230V 60Hz
Input Power		W	Max. 1.2
Temperature	Operating / Packaged	°C (°F)	0~46(32~114) / -10~60(14~140)
Humidity	Operating / Packaged	%	0~95 / 0~95
Dimensions (H×W×D)(in.)		mm (in.)	43 × 117 × 140
Weight(oz)		g (oz)	200(7)
Maximum Connectable indoor unit number per 1 MODBUS Convertor			1

MODBUS® Interface

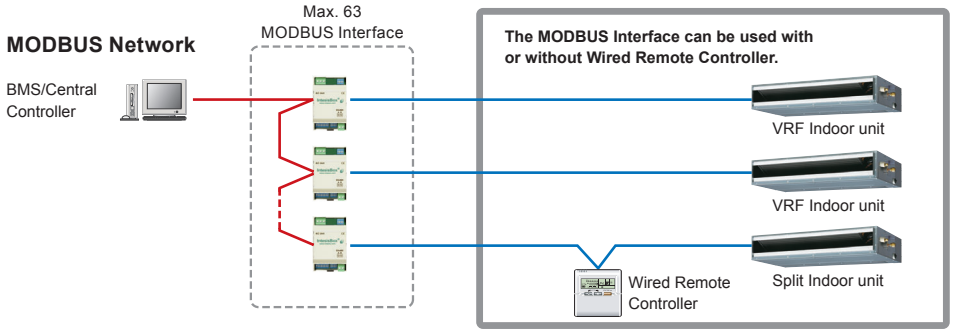
FJ-RC-MBS-1



Features

The MODBUS Interface allows a complete integration of air conditioners into MODBUS Networks.

- Simple installation due to small and compact size.
- No separate external power supply required.
- The MODBUS Interface permits central monitoring and control of air conditioners from BMS.



KNX® Interface

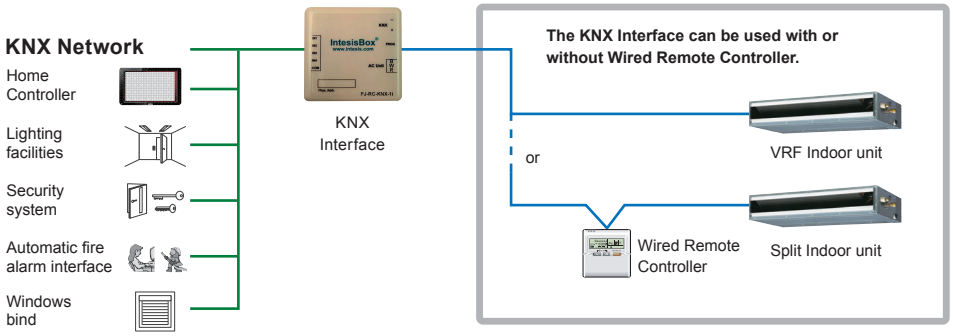
FJ-RC-KNX-1i



Features

The KNX Interface allows a complete integration of air conditioners with KNX Network systems.

- Simple installation due to small and compact size.
- No separate external power supply required (just KNX bus power).
- Can be used for single indoor units and group controlled (up to 16) indoor units.



Specifications

Model name	FJ-RC-MBS-1	FJ-RC-KNX-1i
Dimensions (H × W × D) (mm)	93×53×58	70×70×28
Weight (g)	85	70

Auto Louver Grille Kit

UTD-GXTA-W / UTD-GXTB-W



Features

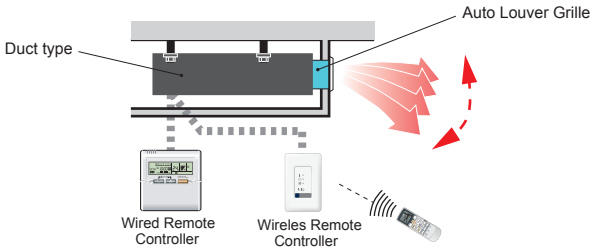
Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.



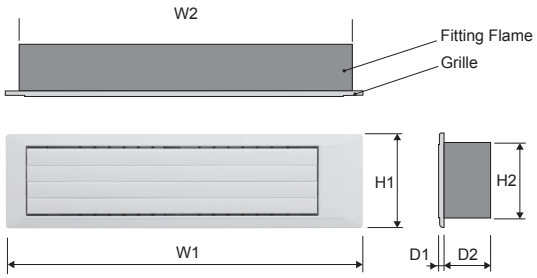
Closed louver　　Opened louver

Flexible Control

- **Operation with indoor unit**
  Auto Louver can be operated by synchronizing remote controller of indoor unit.
- **UP and Down auto swing**
  - Auto airflow direction and auto swing
  - 4 steps selectable
- **Auto-closing louver**
  When operation of indoor unit is stopped, the louver will automatically close.



Dimensions



Unit:mm

Model Name	W1	W2	H1	H2	D1	D2
UTD-GXTA-W	683	645	180	148	9	84
UTD-GXTB-W	883	845				
UTD-GXTC-W	1,083	1,045				

Specifications

Model name			UTD-GXTA-W	UTD-GXTB-W
Applicable Indoor Unit			RDG07/09LLTA RDG12/14LLTB	RDG18LLTB
Power Supply			Connecting with Control box of indoor unit	
Fixing of Auto Louver Grille			Screw fxing to Flange or Square Duct	
Extension Square Duct Limit			1.0m (Max. duct length between indoor unit and Grille)	
Net Dimension (H × W × D)		mm (inch)	180×683×(84+9) [7-3/32×26-7/8×(3-5/16+11/32)]	180×883×(84+9) [7-3/32×34-3/4×(3-5/16+11/32)]
Weight	Net	kg (lb.)	2.0 (4.4)	2.5 (5.6)
	Gross		3.0 (6.7)	3.5 (7.8)
Color			White	
Louver Motor			Stepping Motor	
Accessories			Fitting Flame, etc.	
Operation range	Cooling	°C (°F)	18 to 32 (64 to 90)	
		% RH	80% or less	
	Heating	°C (°F)	16 to 30 (60 to 88)	

OPTIONAL PARTS

Controllers

For Individual & Centralized Control

Wired Remote Controller
UTY-RNRXZ1 NEW



Wired Remote Controller
UTY-RVNXM



Wired Remote Controller
UTY- RNNXM



Simple Remote Controller
UTY-RSNXM



Central Remote Controller
UTY-DMMXM
For 8 Rooms Multi



Communication devices

Interface

Wireless LAN Interface
UTY-TFNXZ1 NEW



Wireless LAN Interface
FJ-RC-WIFI-1



MODBUS® Convertor
UTY-VMSX NEW



MODBUS® Interface
FJ-RC-MBS-1



KNX® Interface
FJ-RC-KNX-1i



Communication Kit/External input and output PCB/Box/Bracket

Communication Kit
UTY-TWBXF/
UTY-XCBXZ2/
UTY-TWRX
For Compact Wall Mounted



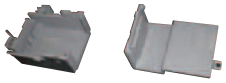
External input and output PCB
UTY-XCSXZ1 NEW



UTY-XCSX NEW



External input and output PCB Box
UTZ-GXXB NEW



UTZ-GXRA NEW



External input and output PCB Bracket
UTZ-GXNA NEW



Others

For Duct type

IR Receiver Kit
UTY-LRHXM



IR Receiver Kit
UTY-LBTXM NEW



Remote Sensor Unit
UTY-XSZX

New amenity space can be offered byinstalling the Remote sensor.



Auto Louver Grille Kit
UTD-GXTA-W/
UTD-GXTB-W
For Slim Duct



Long Life Filter
UTD-LF25NA/
UTD-LFNA/
UTD-LFNB/
UTD-LFNC/
UTDLF60KA



Flange
UTD-RF204 (Round)
UTD-SF045T (Square)



(Round) (Square)

Drain Pump Unit
UTZ-PX1NBA
For Medium Static Pressure Duct



For Cassette type

IR Receiver Kit
UTY-LRHFA2



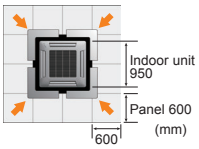
IR Receiver Kit
UTY-LBTXC NEW



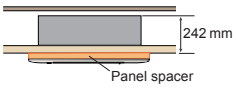
Human Sensor Kit
UTY-SHZXC NEW



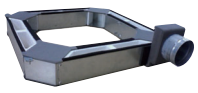
Wide Panel
UTG-AKXA-W



Panel Spacer
UTG-BKXA-W



Fresh Air Intake Kit
UTZ-VXAA
For Compact Cassette



Fresh Air Intake Kit
UTZ-VXRA
For Cassette



Air Outlet Shutter Plate
UTR-YDZB
For Compact Cassette

Shuts the air outlet when only using as 3 blow out.

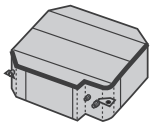


Air Outlet Shutter Plate
UTR-YDZK

Shuts the air outlet when only using as 3 blow out.

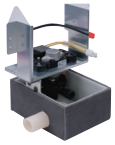


Insulation for High Humidity
UTZ-KXGC/UTZ-KXRA
For Compact Cassette type / Cassette type



For Ceiling type

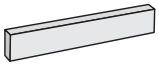
Drain Pump Unit
UTR-DPB24T



For Floor type

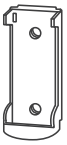
Half Concealed Kit
UTR-STA

This kit is used to half conceal floor type indoor unit into the wall.



For Wall Mounted type

Remote controller holder
UTZ-RXLA
For RSG07/09/12LLCC



Notice for specifications

I.U.=Indoor Unit O.U.=Outdoor Unit Qu=Quiet *=Not decided yet

- Specifications and design subject to change without notice for further improvement. Please check with your dealer.
- Cooling/Heating capacities are based on the following conditions.

Cooling	Indoor temp. : 27°C DB/19°C WB Outdoor temp. 35°C DB/24°C WB	Heating	Indoor temp. : 20°C DB Outdoor temp. 7°C DB/6°C WB

- The colors may be different from the actual colors because this catalog is printed matter.

Manufacturer:

Fuji Furukawa
Engineering & Construction Co.Ltd.

Distributed by:

3EJ011-1601E