

MULTI SPLIT



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

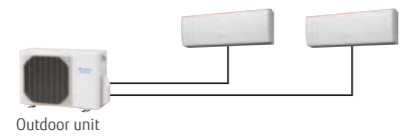
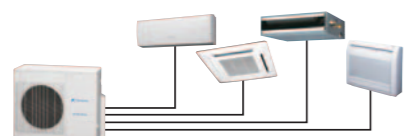
If you want to keep a large floor as well as many rooms comfortable, we recommend you use Multi Split to build a simple system using one outdoor unit. Choose from a large lineup of indoor units that best matches your rooms. You can mix and match them at will. Build the system that is just right for you.

Multi Split provides comfort in
a variety of situations

from home to
office and store.







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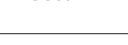


2-8 Rooms Multi Type Lineup

		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				
				● ROG18LAT3	● ROG24LAT3		
4 Rooms Multi Up to 4 units						● ROG30LAT4	
							● 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)		4.0	5.0	5.4	6.8	8.0	14.0
Heating Cooling		4.4	5.6	6.8	8.0	9.6	16.0

Indoor Unit	BTU	kW Class	2 Rooms	3 Rooms	4 Rooms	8 Rooms
	7000	2.0	●	●	●	●
	9000	2.5	●	●	●	●
	12000	3.5	●	●	●	●
	14000	4.0	—	●	●	●
	18000	5.0	—	—	●	●
	24000	7.0	—	—	●	●
	9000	2.5	—	●	●	●
	12000	3.5	—	●	●	●
	14000	4.0	—	—	●	●
	7000	2.0	—	●	●	●
	9000	2.5	—	●	●	●
	12000	3.5	—	●	●	●
	14000	4.0	—	—	●	●
	18000	5.0	—	—	●	●
	14000	4.0	—	—	●	●
	7000	2.0	—	●	●	●
	9000	2.5	—	●	●	●
	12000	3.5	—	●	●	●
	14000	4.0	—	—	●	●
	18000	5.0	—	—	●	●

Indoor unit features

	ECONOMY	POWERFUL	10°C HEAT	WIND	WIND	Auto Restart	SLEEP	PROGRAM	WEEKLY	WEEKLY NETWORK	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

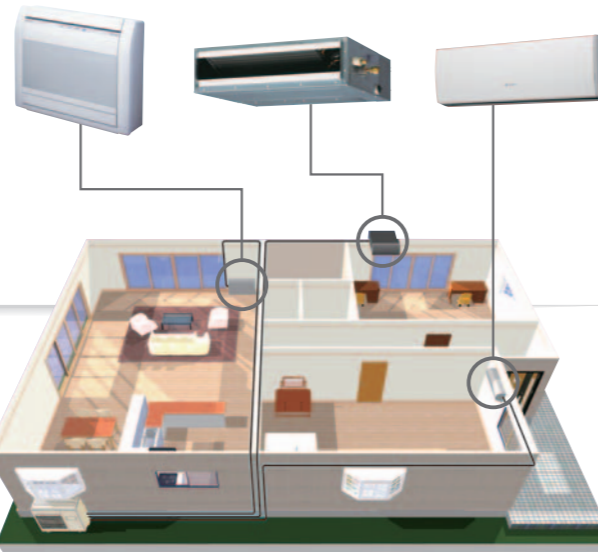


ALL DC

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.

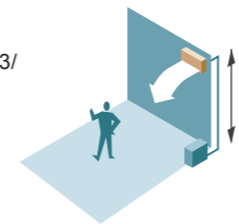
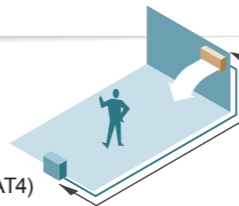
Flexible installation

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



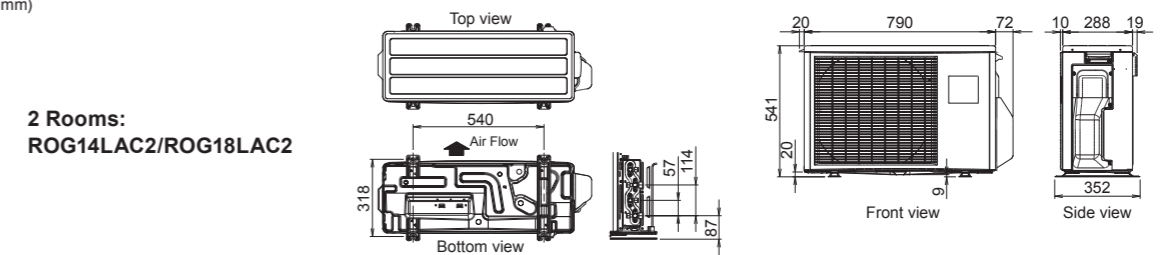
Specifications (2 ROOMS, 3 ROOMS, 4 ROOMS)

Model No.	Outdoor unit	ROG14LAC2	ROG18LAC2	ROG18LAT3	ROG24LAT3	ROG30LAT4
Power Source		Single-phase, ~230V, 50Hz				
Rated Capacity (min-max)	Cooling	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	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	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 x W x D	mm	540x790x290	540x790x290	700x900x330	700x900x330	830x900x330
	kg(lbs)	37 (82)	38 (84)	55 (121)	55 (121)	68 (150)
Connection Pipe Diameter	Liquid	Ø6.35x2	Ø6.35x2	Ø6.35x3	Ø6.35x3	Ø6.35x4 (*Ø6.35x3, Ø9.52)
	Gas	9.52 x 2	9.52 x 2 (*9.52, 12.7)	9.52 x 2, 12.7 (*9.52 x 3)	9.52 x 2, 12.7 (*9.52 x 3)	9.52 x 2, 12.7 x 2 (*9.52 x 3, 12.7) (*9.52 x 2, 12.7, 15.88)
Max. Pipe Length	Total / Each	30 / 20	30 / 20	50 / 25	50 / 25	70 / 25
	Between Outdoor Unit and Each Indoor Units.	15	15	15	15	15
Max. Height Difference	Between Outdoor Units.	10	10	10	10	10
	Between Indoor Units.	10	10	10	10	10
Operation Range	Cooling	-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

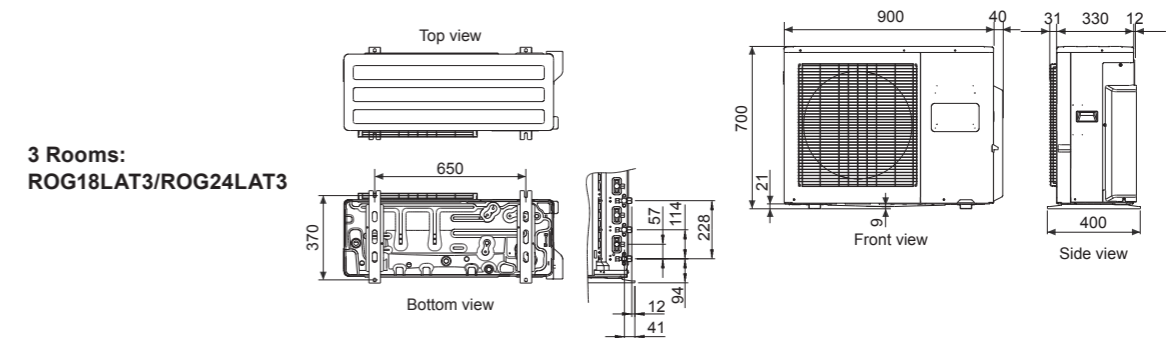
* Connect to connection valve by the adapter.

Dimensions

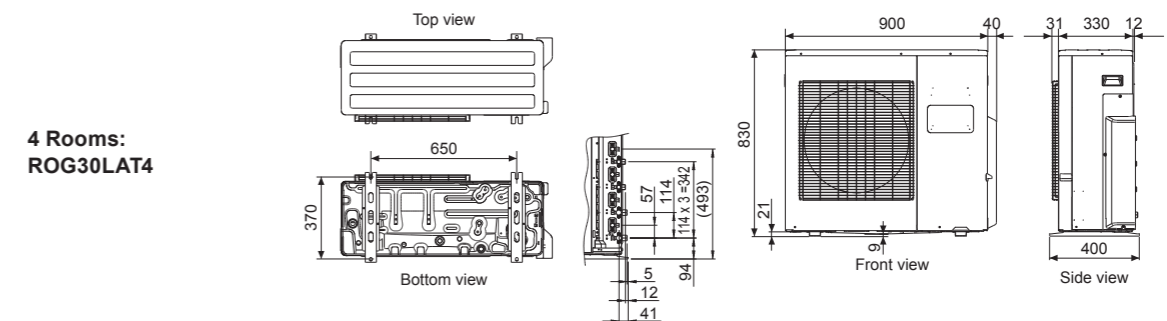
(Unit : mm)



2 Rooms:
 ROG14LAC2/ROG18LAC2



3 Rooms:
 ROG18LAT3/ROG24LAT3



4 Rooms:
 ROG30LAT4

8 Rooms Multi

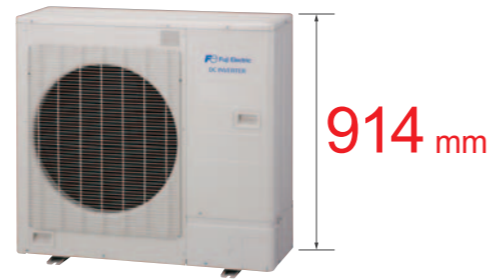


ALL DC

Features

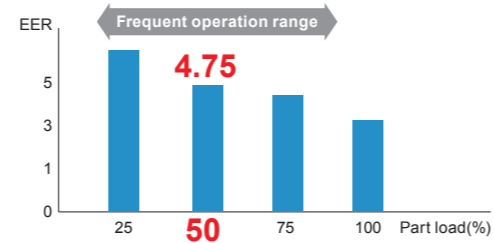
Compact outdoor unit

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.

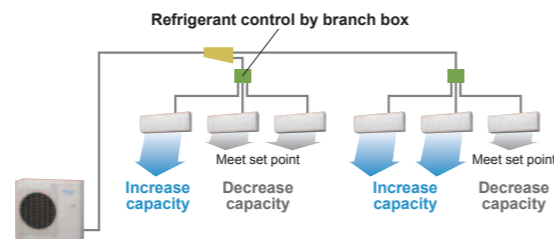
DC fan motor: High performance and high efficiency has been realized by using a small DC fan motor.

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

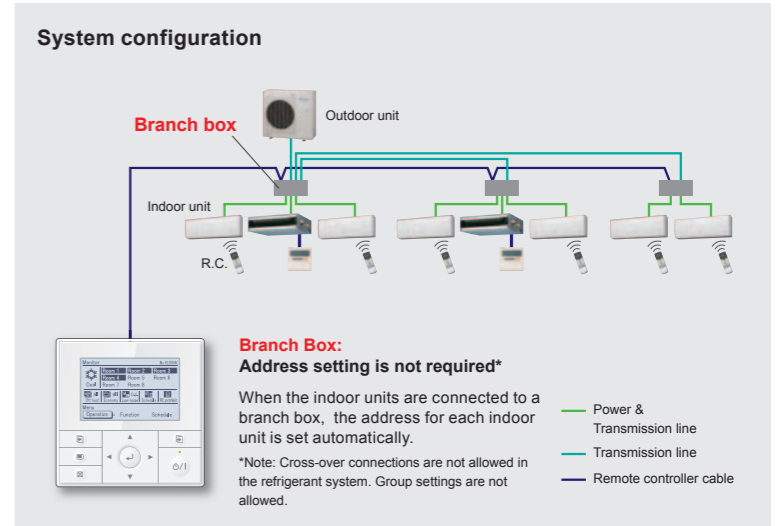
Batched control of up to 8 indoor units. The temperature, airflow volume, and remote control prohibition settings of all indoor units can be batched.

Multiple language support

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

Easy-To-Use operation

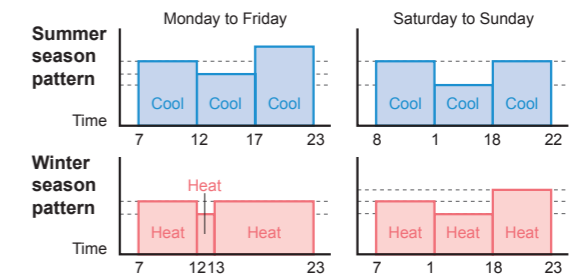
- Large backlight LED screen
- Large easy-to-see operation panel



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.

10°C heat operation

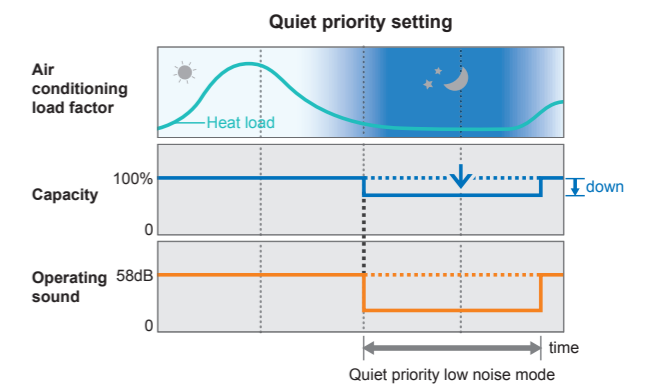
When you leave, minimum heating operation is performed to maintain the room temperature (maintain at 10°C).

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.

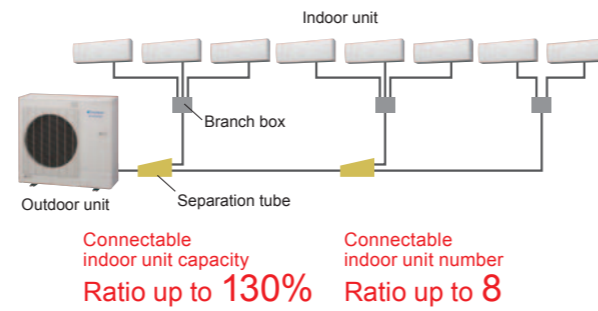
Prohibited Settings

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



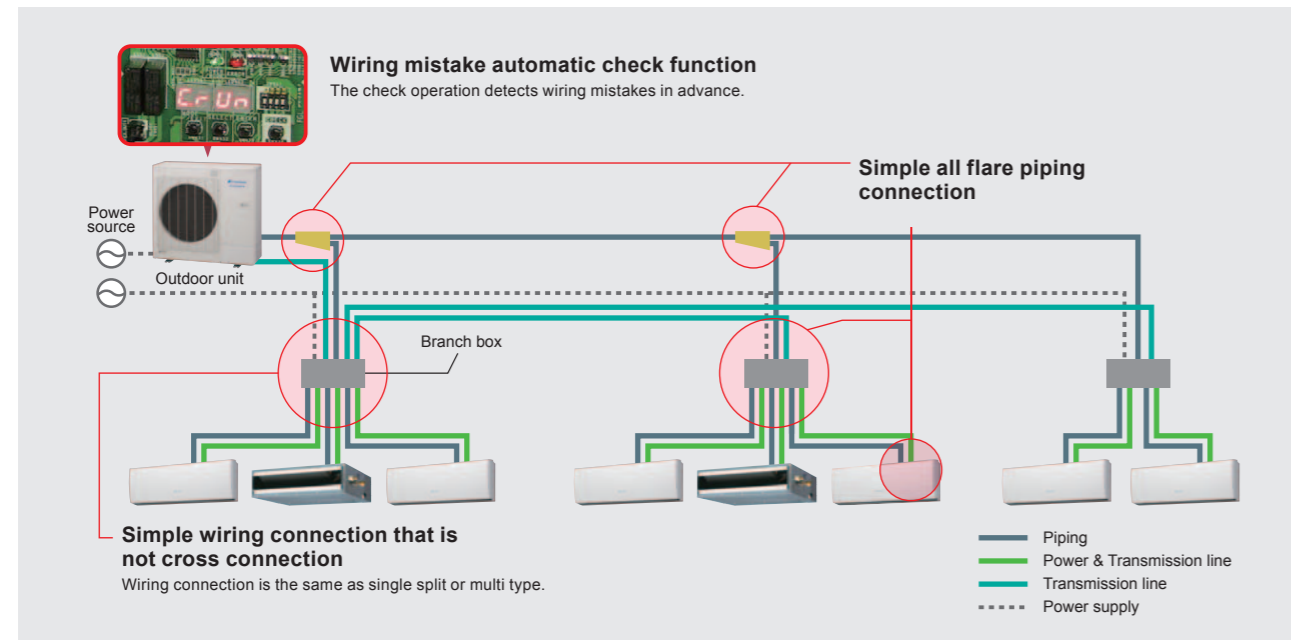
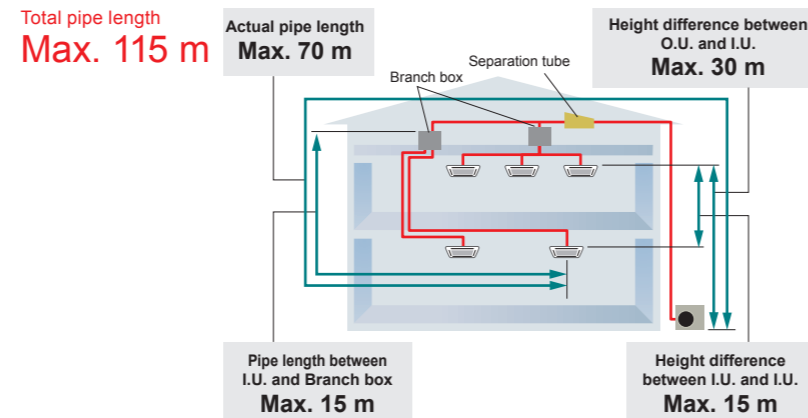
Large capacity connection

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



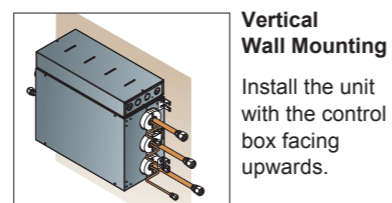
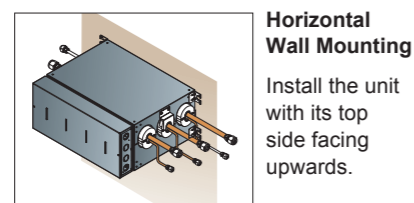
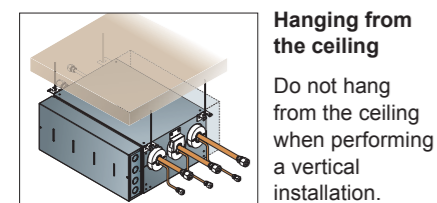
Long piping design

Can be installed in high rise condominiums or commercial buildings.



Branch Box can be mounted flexibly.

Allowed Branch Box Mounting Direction



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	kW	16.0
Input Power	Cooling	kW	5.20
	Heating	kW	5.07
Airflow rate	Cooling	m ³ /h	4,650
	Heating	m ³ /h	4,800
Sound Pressure Level	Cooling	dB(A)	56
	Heating	dB(A)	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.)		m	30
Operating Range	Cooling	°CDB	-5 to 46
	Heating	°CDB	-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			230/1/50	230/1/50
Available Voltage Range			198-264V	198-264V
Power Consumption		W	10	10
Running Current		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	°CDB	Main: 15.88×1, Branch: 12.7×3	Main: 15.88×1, Branch: 12.7×2
		Method	Flare	Flare

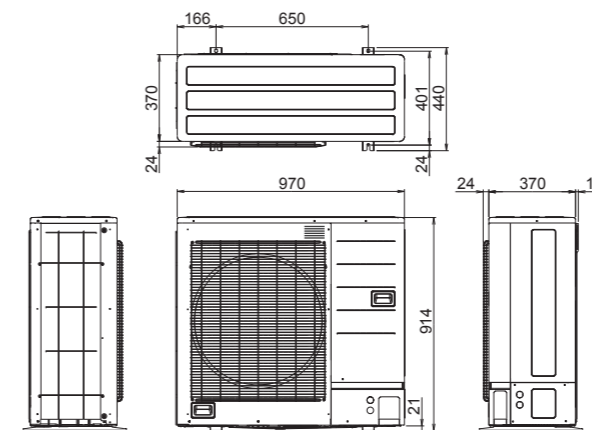
Note: Specifications are based on the following conditions.

- 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

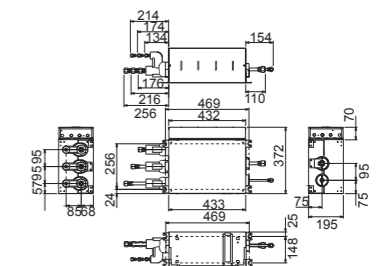
Dimensions

(Unit: mm)

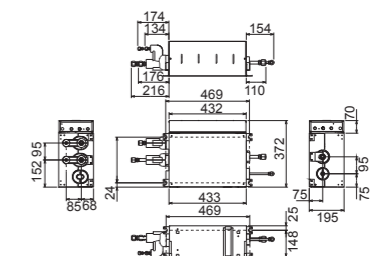
Outdoor Unit: ROG45LBT8



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	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	53	54	55	59
	Heating		53	54	55	59
Airflow Rate	Cooling	H/M/L/Q	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

Floor ceiling



Model No.	Indoor unit		RYG14LVTA	RYG14LUCA
kW Class	kW		4.0	5.0
Power Source	Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	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	51	55
	Heating		51	55
Airflow Rate	Cooling	H/M/L/Q	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

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	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	51	52	54	56	58	64
	Heating		51	52	55	57	58	64
Airflow Rate	Cooling	H/M/L/Q	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

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	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	46	46	49	52	54
	Heating		47	47	49	52	56
Airflow Rate	Cooling	H/M/L/Q	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

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	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	52	55	56
	Heating		52	55	56
Airflow Rate	Cooling	H/M/L/Q	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

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	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	57	57	58	60	58
	Heating		57	57	58	61	59
Airflow Rate	Cooling	H/M/L/Q	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						