



Warning



- Ask a qualified installer or contractor to install this product. Do not try to install the product by yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

#### Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

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PCSSG0814I

# SkyAir

AIR CONDITIONING SYSTEM [50Hz]

Super Inverter

INVERTER



ROUND FLOW

360° airflow!!



RZR50LVVM



RZR60LVVM



RZR71LVVM



RZR100LVVM



RZR125LVVM

R-410A



# Daikin meets your needs with this full lineup of inverters for various types of indoor units and power supplies.

CEILING MOUNTED CASSETTE TYPE <Round Flow>



DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE



CEILING SUSPENDED TYPE



FLOOR STANDING TYPE



WALL MOUNTED TYPE



COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE


























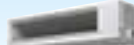


































CEILING MOUNTED BUILT-IN TYPE



Product Lineup



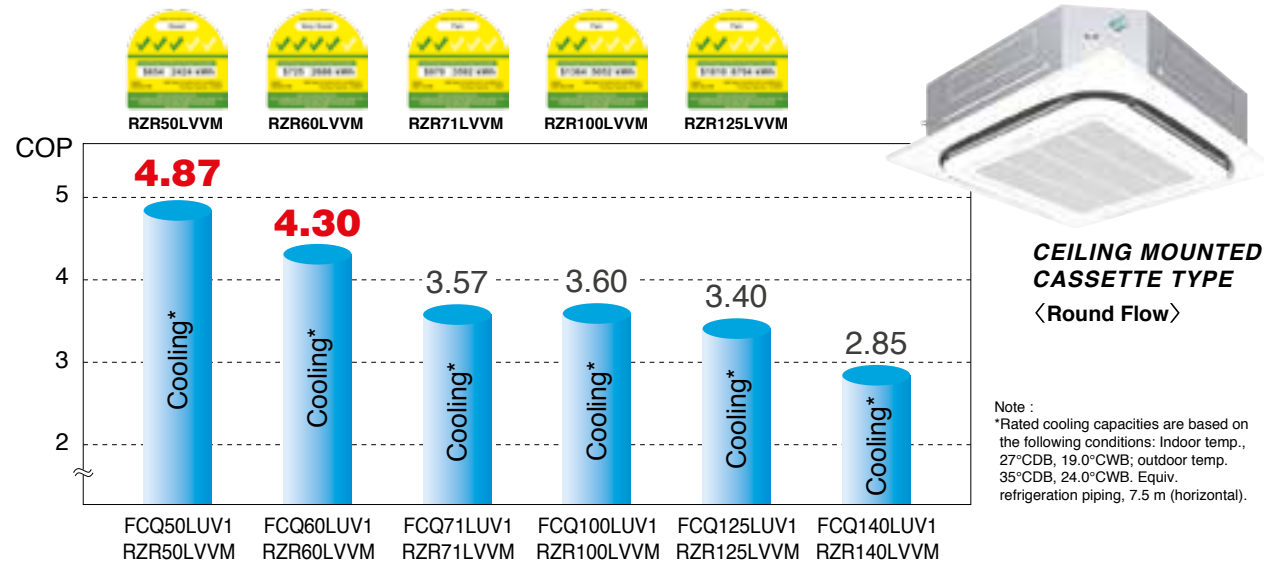
Series		25	35	50	60		71	100	125	140			
<b>CEILING MOUNTED CASSETTE TYPE</b> 〈Round Flow〉 	Indoor unit			 FCQ50LUV1	 FCQ60LUV1		 FCQ71LUV1	 FCQ100LUV1	 FCQ125LUV1	 FCQ140LUV1			
	Outdoor unit			RZR50LVVM	RZR60LVVM		RZR71LVVM	RZR100LVVM   RZR100LUY1	RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1			
<b>COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE</b>	Indoor unit	 FFQ25BV1B	 FFQ35BV1B										
	Outdoor unit	RKS25AVMG	RKS35AVMG										
<b>CEILING SUSPENDED TYPE</b>	Indoor unit		 FHQ35BVV1B	 FHQ50BVV1G	 FHQ60BVV1G		 FHQ71BVV1B	 FHQ100BVV1B	 FHQ125BVV1B	 <b>NEW</b> FHQ140CAVEB			
	Outdoor unit		RKS35AVMG	RZR50LVVM	RZR60LVVM		RZR71LVVM	RZR100LVVM   RZR100LUY1	RZR125LVVM   RZR125LUY1	RZR140LVVM			
<b>WALL MOUNTED TYPE</b>	Indoor unit						 FAQ71CVEA	 FAQ100CVEA					
	Outdoor unit						RZR71LVVM	RZR100LVVM   RZR100LUY1					
<b>CEILING MOUNTED BUILT-IN TYPE</b>	Indoor unit			 FBQ50BV1A	 FBQ60BV1A		 FBQ71BV1A						
	Outdoor unit			RXS50FAVMA	RXS60FVMA		RXS71FVMA						
<b>DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE</b>	Indoor unit			 FBQ50DV1	 FBQ60DV1		 FBQ71DV1	 FBQ100DV1	 FBQ125DV1	 FBQ140DV1			
	Outdoor unit			RZR50LVVM	RZR60LVVM		RZR71LVVM	RZR100LVVM   RZR100LUY1	RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1			
<b>FLOOR STANDING TYPE</b>	Indoor unit			 <b>NEW</b> FVQ50CVE	 <b>NEW</b> FVQ60CVE		 <b>NEW</b> FVQ71CVEB	 <b>NEW</b> FVQ100CVEB	 <b>NEW</b> FVQ125CVEB	 <b>NEW</b> FVQ140CVEB			
	Outdoor unit			RZR50LVVM	RZR60LVVM		RZR71LVVM	RZR100LVVM   RZR100LUY1	RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1			
<b>Simultaneous Twin Multi</b>	<b>CEILING MOUNTED CASSETTE TYPE</b> 〈Round Flow〉 	Indoor unit								 <b>NEW</b> FCQ60LUV1x2	 <b>NEW</b> FCQ71LUV1x2		
		Outdoor unit								RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1		
	<b>CEILING SUSPENDED TYPE</b>	Indoor unit								 <b>NEW</b> FHQ60BVV1Gx2	 <b>NEW</b> FHQ71BVV1Bx2		
		Outdoor unit								RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1		
	<b>DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE</b>	Indoor unit								 <b>NEW</b> FBQ60DV1x2	 <b>NEW</b> FBQ71DV1x2		
Outdoor unit									RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1			
<b>FLOOR STANDING TYPE</b>	Indoor unit								 <b>NEW</b> FVQ60CVEx2	 <b>NEW</b> FVQ71CVEBx2			
	Outdoor unit								RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1			
<b>OUTDOOR UNIT</b> 	Outdoor unit			 <b>NEW</b> RZR50LVVM	 <b>NEW</b> RZR60LVVM		 <b>NEW</b> RZR71LVVM	 <b>NEW</b> RZR100LVVM	 RZR100LUY1	 <b>NEW</b> RZR125LVVM	 RZR125LUY1	 <b>NEW</b> RZR140LVVM	 RZR140LUY1
	<b>OUTDOOR UNIT</b> 	Outdoor unit	 RKS25AVMG	 RKS35AVMG	 RXS50FAVMA	 RXS60FVMA		 RXS71FVMA					



# Energy saving

Super Inverter

Achieved higher COP with 4 Tick Energy Label



**What is COP**  
(Coefficient of Performance)

COP is equal to capacity (kW) divided by power consumption (kW), and the larger the COP value, the higher the energy efficiency, enabling cooling and heating with less electricity and increasing the energy saving performance.

# New types of indoor units

Super Inverter



NEW



Ceiling suspended type  
14.0 kW class



NEW



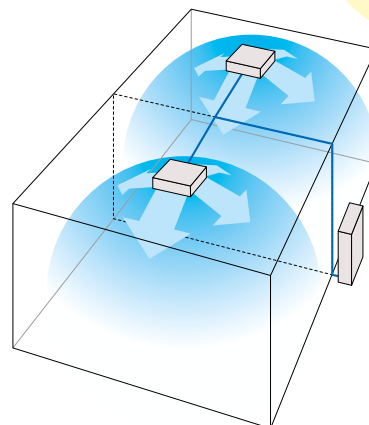
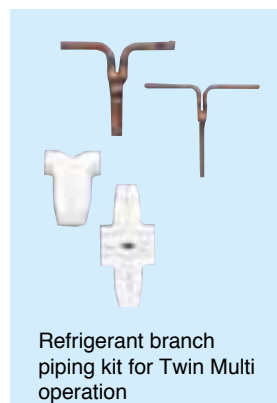
Floor standing type  
5.0-14.0 kW class

# Simultaneous twin multi operation

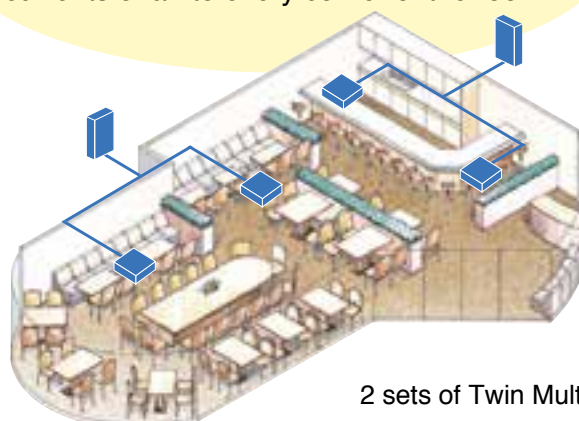
Super Inverter

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Comfortable currents of air are sent to every corner of the room.



For example, four indoor units are judiciously spaced in this wide single-floor restaurant to deliver comfortable currents of air to every corner of the room.



# Wider lineup of inverters

Super Inverter

INVERTER

Daikin meets your needs with this full lineup of inverters for various types of indoor units and power supplies.

26 new combinations added!

★ : New Lineup ● : Continuous

			25	35	50	60	71	100	125	140
Pair	COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE	1 Phase	●	●						
	CEILING MOUNTED CASSETTE TYPE <Round Flow>	1 Phase			●	●	●	●	●	●
		3 Phase						●	●	●
	CEILING SUSPENDED TYPE	1 Phase		●	●	●	●	●	●	★
		3 Phase						●	●	
	WALL MOUNTED TYPE	1 Phase					●	●		
		3 Phase						●		
	CEILING MOUNTED BUILT-IN TYPE	1 Phase			●	●	●			
	DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE	1 Phase			●	●	●	●	●	●
		3 Phase						●	●	●
Twin	FLOOR STANDING TYPE	1 Phase			★	★	★	★	★	★
		3 Phase						★	★	★
	CEILING MOUNTED CASSETTE TYPE <Round Flow>	1 Phase							★	★
		3 Phase							★	★
	CEILING SUSPENDED TYPE	1 Phase							★	★
		3 Phase							★	★
	DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE	1 Phase							★	★
		3 Phase							★	★
	FLOOR STANDING TYPE	1 Phase							★	★
		3 Phase							★	★

# Comfortable

Super Inverter

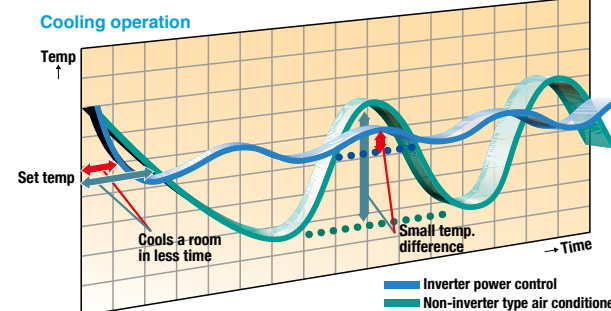
INVERTER

Enhanced comfort with Inverter

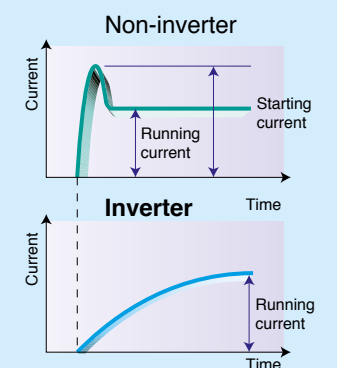
Inverter performs variable control of frequency, which determines air conditioner's power performance.

At startup, full power is used to achieve the set temperature quickly. Then, the capacity is adjusted according to the outdoor temperature changes and subtle indoor load changes to achieve fine capacity control resulting in a more stable room temperature.

Non-inverter type air conditioners must be switched on and off repeatedly, causing large fluctuations of the room temperature.



At startup, inverter raises frequency smoothly, eliminating the starting current spike.



# Cassette air conditioner with 360° uniform airflow sets the standard



FCQ50/60/71/100/125/140LU

**ROUND FLOW**

Option

**Accessory required for indoor unit.**

**Wired LCD remote controller**

**BRC1C61**

Note: Remote controller cable not included. Cables must be procured locally.

**Navigation Remote Controller**  
(Wired Remote Controller)

**BRC1E62**

Note: Remote controller cable not included. Cables must be procured locally.

**Wireless LCD remote controller**

A signal receiver must be added to the indoor unit.

**BRC7F633F**

Signal receiver unit  
(Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

Features

Comfort				Remote controller		Cleanliness	Work & Servicing				Control features				Options		Others																																																		
●	●	●	●	●	*1	*2	*3	*3	*3	*4	●	●	●	*2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	*2																																				
Auto swing				Swing pattern selection		Switchable fan speed (2 step)		Programme "Dry"		High ceiling application		Two selectable temperature-sensors		Night quiet operation		Setpoint auto reset		Setpoint range set		Weekly schedule timer		Off timer (programmed)		On/Off timer		Anti-bacterial air filter		Silver ion anti-bacterial drain pan		Drain pump mechanism		Pre-charged for up to 30 m		Long-life filter		Filter sign		Ceiling soiling prevention		Low gas pressure detection		Emergency operation		Self-diagnosis function		Auto-restart		Control by 2 remote controllers		Group control by 1 remote controller		External command control		Central remote control		Interlock control		DII-NET communication standard		High-efficiency filter		Ultra long-life filter		Fresh air intake kit		Anti corrosion treated heat exchangers	

\*1Applicable when wired remote controller is used  
\*2For the outdoor units  
\*3Applicable when BRC1E62 is used  
\*4Applicable when BRC1C61 is used

Avoids uneven temperature and discomfort caused by drafts.

## Comfort enhanced by Round Flow!

- 360° airflow
- Air movement is gentle with Round Flow

With uniform temperature distribution



Airflow distribution  
Creates uniform comfort throughout the space

Enhanced Comfort



360° airflow can maintain comfort even if air discharge speed is lower.

If you raise the set temperature by 1 to 1.5°C, and velocity is decreased by 25%, you still obtain the same feeling temperature and comfort.

## Adapts easily to the installation space.

- Because air flows out from corner outlets, comfort spreads more widely.

**Typical flow patterns**

There are a total of 23 flow patterns.

**All-round flow**

(E.g., installed in middle of ceiling)  
4-way flow also possible.

**3-way flow**

(E.g., installed near a wall)

**L-shaped 2-way flow**

(E.g., installed in a corner)

**Opposite 2-way flow**

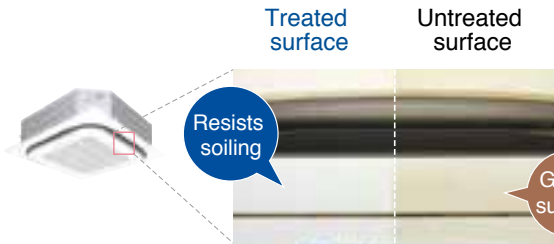
(E.g., installed in a long room)

Note: Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing material (option) must be used to close each unused outlet.  
Operation sound increases when using 2-way or 3-way flow.

Grime prevention and bactericidal coating: Make cleaning easier.

External panels are treated with a coating that repels dirt.

- To prevent dirt sticking to the external panels, they have been coated with a surface treatment.



Condition after exposure to the smoke of 600 cigarettes in 1 m<sup>3</sup> enclosed space.

- Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

- Non-flocking flaps

Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.

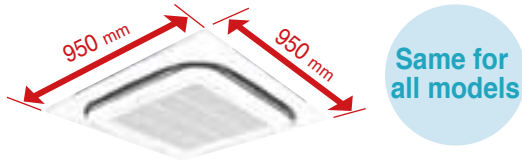
- Filter has anti-mould and bactericidal treatment

Prevents mould and microorganisms growing out of the dust and moisture that adheres to the filters.



Fine square panels

- Panel size is same for all models, FCQ50-140LU. It is easy to maintain a neat appearance when multiple units are installed.



Compact body and quiet operation

Indoor unit	dB(A)	
	High	Low
50LU	35	28
60LU	35	28
71LU	35	28
100LU	43	32
125LU	44	34
140LU	44	36

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Optimal comfort and convenience assured by air discharge modes

Note: Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote controller.

Air direction	Standard setting	Setting to prevent soiling of ceiling*
Desired situation	Standard position to prevent draft.	Recommended for shops with light coloured ceilings that must be kept spotless.
Auto-swing	 Auto-swing between 15° and 60°	 Auto-swing between 25° and 60°
5-levels air direction setting	 Settable to 5 different levels between 15° and 60°	 Settable to 5 different levels between 25° and 60°
Auto air direction control	 The air direction is set automatically to the memorised position of the previous air direction.	

\*Closing of the corner discharge outlets is recommended.

Suitable for high ceilings

Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

Criteria for ceiling height and number of air discharge outlets (Ceiling height is reference value)

		Number of air discharge outlets used							
		50LU-71LU				100LU-140LU			
Ceiling height	Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m
	High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m
	High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—

Note: Factory settings are for standard ceiling height and all-round flow. High ceiling settings (1) and (2) are set with the remote controller by field setting.

Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature must be set during commissioning by the technicians.

\*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.  
\*\*Wireless remote controller does not have a temperature-sensor.

Switchable fan speed: High/Low

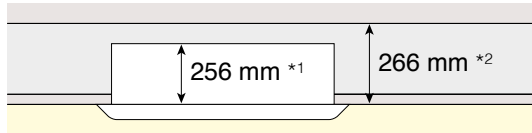
High setting provides maximum reach while low setting minimises drafts.

On/Off timer

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

Quick and easy to install

- Just 256 mm high. Installable in tight ceiling spaces (50LU-71LU)



\*1 298 mm high with 100LU-140LU  
\*2 308 mm high with 100LU-140LU

Easy height adjustment

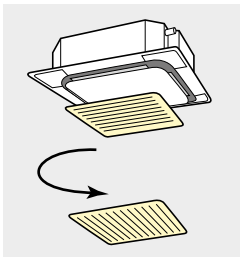
Each corner of the unit has an Adjuster Pocket that lets you easily adjust the unit's suspended height.

Note: If the wireless remote control option is installed, a light receptor unit is housed in one of the adjuster pockets.

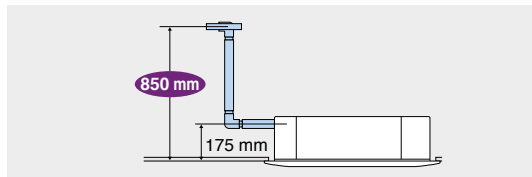
- All models can be installed without using lifter because of the light weight.

Installable in any direction

Since the orientation of the intake grill can be adjusted after installing, the direction of the intake grill lines can be unified when multiple units are installed.



- Drain pump is equipped as standard accessory with 850 mm lift.



Transparent drain socket

Because the drain socket is transparent, after the drain piping has been installed, it is easy to check if the drain come out through the socket.

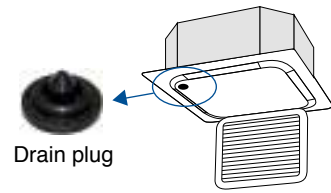


- Connection to a centralised control system is available without option

- Low gas pressure detection

Easier to maintain

- The condition of the drain pan and drain water can be checked by removing the drain plug and intake grille.



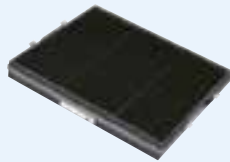
Just open the intake grille!

- With Ultra long-life filters (option), maintenance is not required in normal shops or offices for up to four years.

Options required for specific operating environments

Ultra long-life filter

Even in smoky environments where the air conditioning is on most of the time, the ultra long-life filter only has to be changed once a year.



**Smoky atmosphere: annual filter change**  
\*For dust concentration of 0.3 mg/m<sup>3</sup> (Requires separately sold Air Cleaner.)  
1 year (Approx. 5,000 hr) ≒ 15 hr/day x 28 day/month x 12 month/year

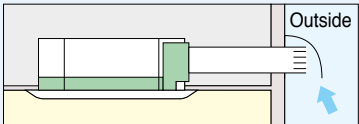
**Ordinary store or office: filter change every 4 years**  
\*For dust concentration of 0.15 mg/m<sup>3</sup>  
4 years (Approx. 10,000 hr) ≒ 8 hr/day x 25 day/month x 4 years

High-efficiency filter

Available in two types: 65% and 90% colorimetry.

Fresh air intake kit

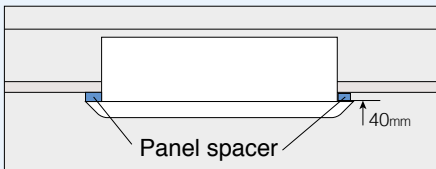
Using this kit, a duct can be fitted to increase the intake of outdoor air.



Note: \*Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.  
\*\*Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.  
\*\*\*It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating sound and may also influence temperature sending.

Panel spacer

Use when only minimal space is available between drop ceilings and ceiling slabs.



Note: Some ceiling constructions may hinder installation. Contact your Daikin Dealer before installing your unit.

Sealing material of air discharge outlet

Sealing material block air discharge openings not used in 2-way or 3-way blow.

Branch duct (direct-connection round duct)

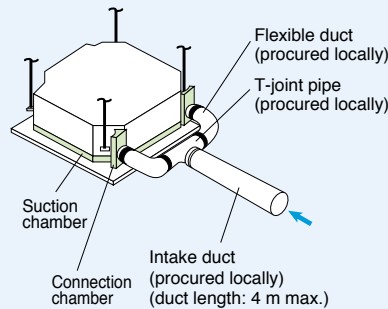
A round duct can be attached without the need for a chamber. A flanged port for direct connection of a round duct is provided. An existing branch duct chamber can also be fitted (square slit hole).

The units can be installed in the following different ways.

Chamber type

(without T-joint pipe and fan)

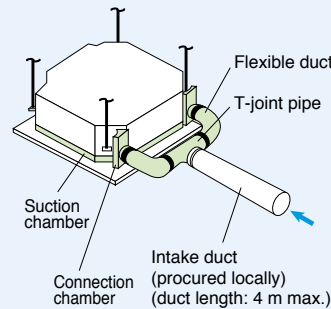
KDDP55B160



Chamber type

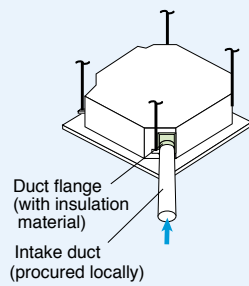
(with T-joint pipe and without fan)

KDDP55B160K



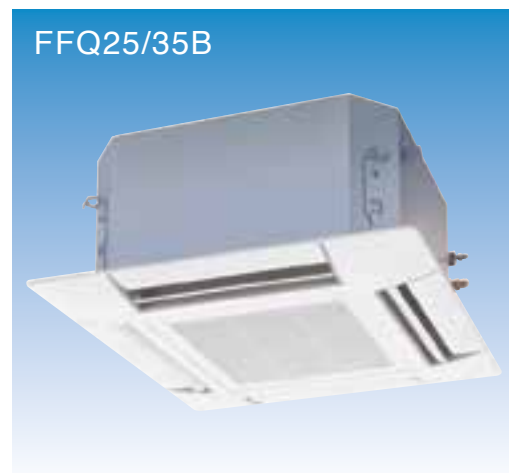
Direct installation type

KDDP55X160



Note: Use of options will increase operating sound.

# Quiet decor-blending form and easy installation in new or old buildings.



## Option

Accessory required for indoor unit.

### Wired LCD remote controller



**BRC1C61**

Note: Remote controller cable not included. Cables must be procured locally.

### Navigation Remote Controller (Wired Remote Controller)



**BRC1E62**

Note: Remote controller cable not included. Cables must be procured locally.

### Wireless LCD remote controller

A signal receiver must be added to the indoor unit.



**BRC7E531W**

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

## Features

Comfort				Remote controller				Cleanliness		Work & Servicing				Control features				Option	Others																																
●	Auto swing	●	Swing pattern selection	●	Switchable fan speed (2 step)	●	Programme "Dry"	*1	Two selectable temperature-sensors	●	Setpoint auto reset	●	Setpoint range set	●	Weekly schedule timer	●	Off timer (programmed)	●	On/Off timer	●	Anti-bacterial air filter	●	Mould-proof drain pan	●	Drain pump mechanism	*4	Pre-charged for up to 10 m	●	Long-life filter	●	Filter sign	●	Ceiling soiling prevention	●	Self-diagnosis function	●	Auto-restart	●	Control by 2 remote controllers	●	Group control by 1 remote controller	●	External command control	●	Central remote control	●	Interlock control	●	Fresh air intake kit	*4	Anti corrosion treated heat exchangers

\*1Applicable when wired remote controller is used

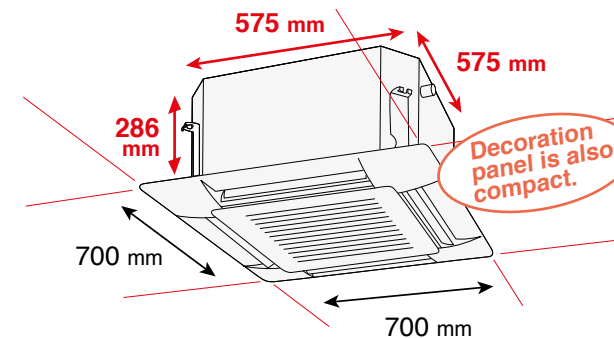
\*2Applicable when BRC1E62 is used

\*3Applicable when BRC1C61 is used

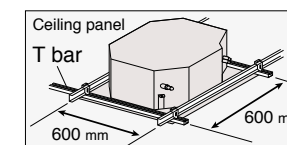
\*4For the outdoor units

## Compact

- Sized to fit inside 600mm wide ceiling grids



- Fits without the need to cut T-bar grid



The switch box is built in to the unit, so maintenance is possible by simply removing the grill. An inspection opening is not required even for modules other than 600 x 600.



## Quiet

- Quiet, small-diameter fan

Quiet operation has been achieved even with a compact body and developed spiral hub cover that reduces the static pressure inside the indoor unit.



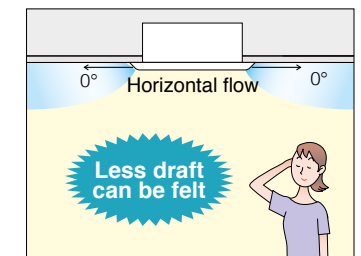
Spiral hub cover →

Indoor unit	dB(A)	
	High	Low
25B	29.5	24.5
35B	32	25

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

## Comfortable

- Designed for low draft performance



- Consistent comfort throughout

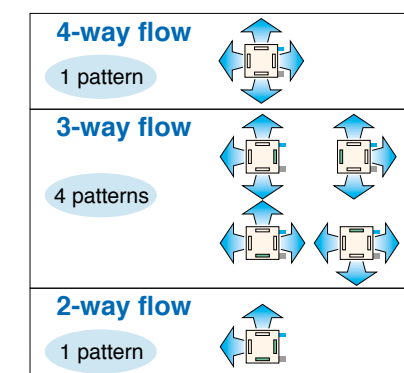
- Auto-swing operation distributes conditioned air more evenly.

- Airflow angle can be adjusted in accordance with room conditions.

	Auto-swing	5-levels air direction setting
Standard setting	Auto-swing between 0° and 60°	Settable to 5 different levels between 0° and 60°
Draft prevention setting (Set on site)	Auto-swing between 0° and 35°	Settable to 5 different levels between 0° and 35°
Setting to prevent soiling of ceiling (Set on site)	Auto-swing between 25° and 60°	Settable to 5 different levels between 25° and 60°

Note: This angle above is provided as a guide. It may differ depending on the installation site.

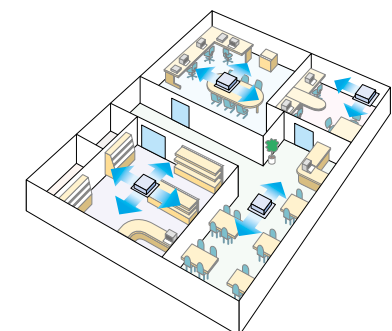
- Multi-Flow System



"■" denotes piping direction. ■ Drain piping  
"■" denotes sealing member for air discharge outlet (option).

Note: For 3-way or 2-way flow installation, the sealing member for air discharge outlet (option) must be used to close off the unused outlet(s).

- Air direction can be selected according to installation.



Note: Operation sound increases when using 2-way or 3-way flow.

- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.

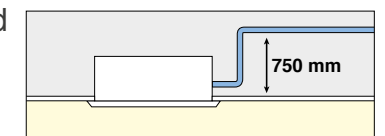
\*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.

\*\*Wireless remote controller does not have a temperature-sensor.

- Switchable fan speed: High/Low

High setting provides maximum reach while low setting minimises drafts.

- Drain pump is equipped as standard accessory with 750 mm lift.





# Comfortable airflow travels throughout the room



FHQ35BVV1B, FHQ50/60BVV1G  
FHQ71/100/125BVV1B, FHQ140CA

FHQ71BV

**NEW** FHQ140CA

Option

**Accessory required for indoor unit.**

**Wired LCD remote controller**

**BRC1C61**

Note: Remote controller cable not included. Cables must be procured locally.

**Navigation Remote Controller**  
(Wired Remote Controller)

**BRC1E62**

Note: Remote controller cable not included. Cables must be procured locally.

**Wireless LCD remote controller**  
A signal receiver must be added to the indoor unit.

35-125BV **BRC7EA66**  
140CA **BRC7GA56**

35-125BV  
140CA

Signal receiver unit (Installed type)  
Wireless remote controller and signal receiver unit are sold as a set.

Features

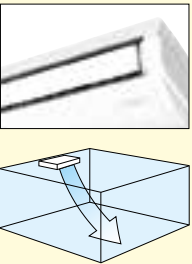
Comfort					Remote controller		Cleanliness	Work & Servicing					Control features					Options	Others									
Auto swing	Switchable fan speed	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Night quiet operation	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Drain pump mechanism	Pre charged for up to 30 m	Pre charged for up to 10 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DII-NET communication standard	Fresh air intake kit	Anti corrosion treated heat exchangers
●	*1	●	*2	*3	*4	*5	*5	*5	*5	*6	●	*7	*4	*8	●	●	*4	*4	●	●	●	●	●	●	●	*9	*9	*10

\*1FHQ35-125BV: 2 step, FHQ140CA: 3 step  
\*2Installable on max. 3.5 m (35-125BV), 4.3 m (140CA) high ceiling  
\*3Applicable when wired remote controller is used  
\*4Applicable to RZR outdoor units  
\*5Applicable when BRC1E62 is used  
\*6Applicable when BRC1C61 is used  
\*7Option

\*8Applicable to RKS outdoor units  
\*9FHQ140CA only  
\*10For the outdoor units

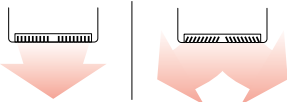
## New 140 model provides greater capacity for large spaces

- The technology of the DC fan motor, wide sirocco fan, and large heat exchanger combine for greater airflow and quiet operation.  
High/Middle/Low : 46/42/38 dB(A)
- Sophisticated design  
Flap neatly closes when not in use.  
Fresh white colour.
- Installable on ceilings 4.3 m high
- 3 fan speeds: High/Middle/Low
- Connection to a centralised control system is available, without option.
- Drain pump kit (option) includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.



## Comfortable

- Auto swing (up and down) and louvers (left and right by hand) bring comfort to the room
- Louver manually adjusts for straight or wide angle airflow
- Installable on ceilings 3.5 m high (FHQ35-125BV)
- Two selectable temperature-sensors  
Both indoor unit and wired remote controller (option) contain temperature- sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.  
\*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.  
\*\*Wireless remote controller does not have a temperature-sensor.
- Switchable fan speed: High/Low (FHQ35-125BV)
- Programme "Dry"  
Dehumidification is a microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.



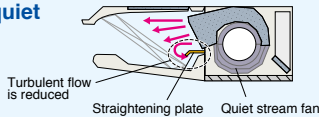
## Quiet operation

Sound operation has been reduced on the exposed ceiling suspended type unit.

Indoor unit	dB(A)		
	High	Middle	Low
35BVV1B	37	—	32
50/60BVV1G	39	—	35
71BVV1B	39	—	35
100BVV1B	42	—	37
125BVV1B	44	—	39
140CA	46	42	38

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Uses quiet stream fan and other quiet technologies.  
(FHQ35-125BV)

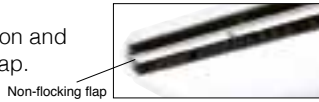


## Installation flexibility for freedom of design

- Flexible installation  
The unit fits more snugly into tight spaces.  
30 mm or more  
30 mm or more  
\*Water used in the test-run can now be drained from the air discharge opening rather than from the side as was formerly the case.
- Drain pump kit (option) can be easily incorporated  
Drain pipe connection can be done inside the unit. refrigerant and drain pipe outlets are at the same opening.  
600 mm  
Drain pump kit (built inside main unit)
- All wiring and internal servicing can be done from under the unit
- Pipes more easily rigged
- Low gas pressure detection

## Easy maintenance

- Long-life filter lasts about 1 year\*  
\* For dust concentration of 0.15 mg/m<sup>3</sup>  
Two time settings (2500 hrs and 1250 hrs) are available to match the installation environment. Maintenance time warning is displayed on the remote controller (filter sign).
- Non-flocking flap  
Condensation does not easily form on and dirt does not cling to non-flocking flap. It is easy to clean.



- Easy-clean, flat surfaces

## Oil resistant grille

- Oil-resistant plastic is used for the air suction grille. This satisfies durability in restaurants and other similar environments.  
Note: Intended for use in salons, dining rooms, and ordinary sales floors, this specification is not suitable for kitchens or other harsh environments.



# Compact design and easy installation



Option


Accessory required for indoor unit.

**Wired LCD remote controller**



**BRC1C61**

**Navigation Remote Controller**  
(Wired Remote Controller)



**BRC1E62**

Note: Remote controller cable not included. Cables must be procured locally.

**Wireless LCD remote controller**  
A signal receiver must be added to the indoor unit.



**BRC7EB519**

Signal receiver unit (Installed type)  
Wireless remote controller and signal receiver unit are sold as a set.

Features

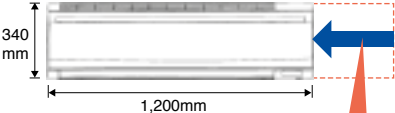
Comfort						Remote controller				Cleanliness	Work & Servicing					Control features						Others				
Auto swing	Switchable fan speed (3 step)	Auto airflow rate	High fan speed mode	Programme "Dry"	Two selectable temperature-sensors	Night quiet operation	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Mould-proof air filter	Drain pump mechanism	Pre charged for up to 30 m	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DIH-NET communication standard	Anti corrosion treated heat exchangers
●	●	*1	●	●	*2	*3	*1	*1	*1	*1	*4	●	*5	*3	●	*3	●	●	●	●	●	●	●	●	●	*3

\*1Applicable when BRC1E62 is used  
\*2Applicable when wired remote controller is used  
\*3For the outdoor units  
\*4Applicable when BRC1C61 is used  
\*5Option

## Compact & Sophisticated design

- FAQ100

340 mm



1,200mm

9kg lighter

370mm shorter

	FAQ100BV	FAQ100C
Height	360mm	340mm
Width	1,570mm	1,200mm
Depth	200mm	240mm
Weight	26kg	17kg

- Flaps neatly close when not in use

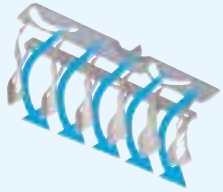


## Comfortable

- Auto swing (up and down) and wide-angle louvers (left and right by hand) facilitate even room temperature

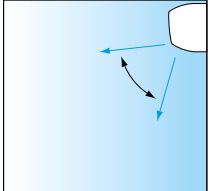
**Wide-angle louvers (by hand)**

Soft material louver bends airflow over a wider area



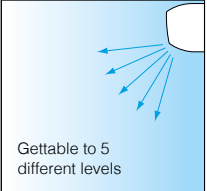
- An air discharge modes ensure comfortable air distribution across the entire room

**Auto-swing**



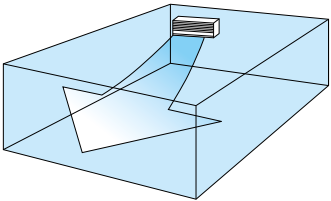
**5-level air direction setting**

Gettable to 5 different levels



- Comfort even on the far side of the room

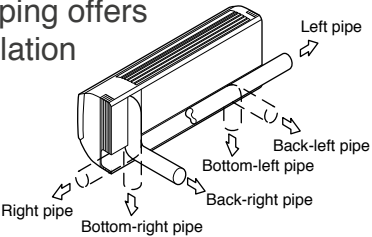
To carry air to the far side of long rooms, extra-high airflow adds 10% more fan speed the "high" setting. Air discharge strength is selected from the remote controller by field setting.



- Two selectable temperature-sensors
  - Switchable fan speed: High/Middle/Low
  - Auto airflow rate (When BRC1E62 is used)
  - Programme "Dry"
- Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

## Easy installing and servicing

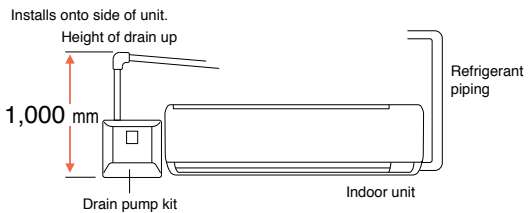
- 6-direction piping offers greater installation flexibility.



- Maintenance possible from the front of the unit

All maintenance tasks can be carried out via front access. During service work, attachment and detachment of parts is easier.

- Drain pump kit is available as option.



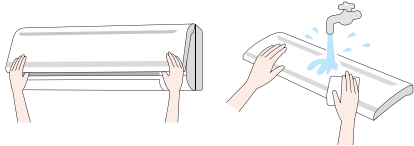
Drain pump kit can be installed on either left and right side of the air conditioner.



- Connection to a centralised control system is available without option

## Easy cleaning

- Removable and washable grille



- Flat panel, easy to wipe dust off

- Non-flocking flaps

Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.

# Clever and compact mini ducted unit provides comfort and flexibility.



FBQ50/60/71B

FBQ50BV1A

Option

Accessory required for indoor unit.

Wired LCD remote controller

**BRC1C61**

Note: Remote controller cable not included. Cables must be procured locally.

Navigation Remote Controller  
(Wired Remote Controller)

**BRC1E62**

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

**BRC4C62**

Signal receiver unit  
(Separate type)

Wireless remote controller and signal receiver unit are sold as a set.

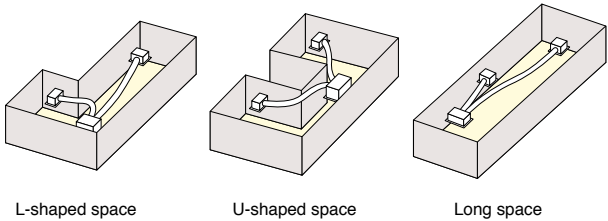
Features

Comfort			Remote controller					Cleanliness	Work & Servicing				Control features						Others
Switchable fan speed (2 step)	Programme "Dry"	Two selectable temperature-sensors	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Mould-proof drain pan	Drain pump mechanism	Pre-charged for up to 10 m	Filter sign	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Anti corrosion treated heat exchangers
●	●	*1	*2	*2	*2	*2	*3	●	●	*4	●	●	●	●	●	●	●	●	*4

\*1Applicable when wired remote controller is used  
\*2Applicable when BRC1E62 is used  
\*3Applicable when BRC1C61 is used  
\*4For the outdoor units

## Comfortable

- Flexibly adapts to shop interiors  
To cope with the challenges of L-shaped or U-shaped spaces, it is possible to install the air discharge unit away from the main unit. At the same time, different types of architectural space can be kept comfortable.



- Two selectable temperature-sensors  
Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.  
\*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room. \*\*Wireless remote controller does not have a temperature-sensor.

- Switchable fan speed: High/Low
- Programme "Dry"  
Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

## Quiet operation

Indoor unit	dB(A)	
	High	Low
50B	33	29
60B	34	30
71B	34	30

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.



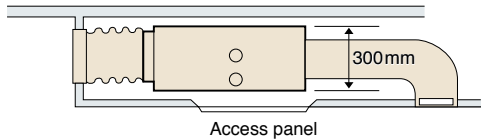
## Compact

- Compact design of built-in type helps blend with interior decor.  
Height reduced to allow installation in confined spaces.

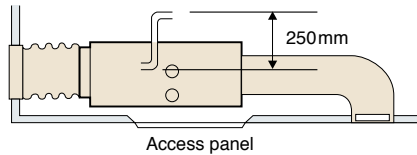
Indoor unit	(mm)	
	50B	60/71B
Height	300	
Width	700	1,000
Depth	800	

## Work & Servicing

- The height of the unit is a mere 300 mm. It can be installed in a narrow ceiling space.  
(when access panel is used.)



- Provided with condensate drain pump, making drain piping easier in awkward spaces.



- External static pressure can be set depending on duct length, presence of high-efficiency filter, and other installation conditions.

External static pressure pattern (Pa)			
Indoor unit	High	Standard	Low
50B-71B	88	49	20

External static pressure is set to standard when the unit is shipped from the factory.



# Enhance comfort using cleverly placed ducts



FBQ50/60/71/100/125/140D

Option

**Accessory required for indoor unit.**

**Wired LCD remote controller**

**BRC1C61**

Note: Remote controller cable not included. Cables must be procured locally.

**Navigation Remote Controller**  
(Wired Remote Controller)

**BRC1E62**

Note: Remote controller cable not included. Cables must be procured locally.

**Wireless LCD remote controller**

A signal receiver must be added to the indoor unit.

**BRC4C64**

Signal receiver unit  
(Separate type)

Wireless remote controller and signal receiver unit are sold as a set.

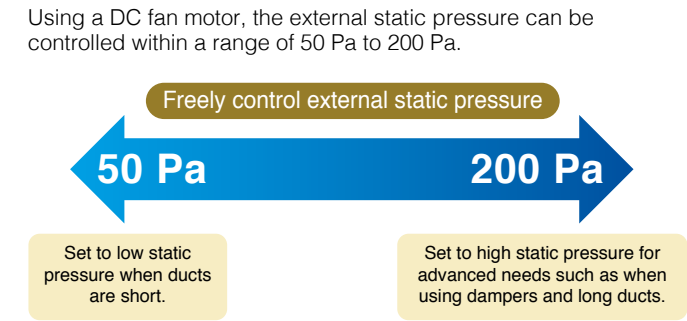
Features

Comfort				Remote controller				Cleanliness	Work & Servicing						Control features						Option	Others				
Switchable fan speed (2 step)	Programme "Dry"	Two selectable temperature-sensors	Night quiet operation	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Silver ion anti-bacterial drain pan	Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DLI-NET communication standard	High efficiency filter	Anti corrosion treated heat exchangers
●	●	*1	*2	*3	*3	*3	*3	*4	*5	●	●	*2	*5	●	*2	●	●	●	●	●	●	●	●	●	●	*2

\*1Applicable when wired remote controller is used  
\*2For the outdoor units  
\*3Applicable when BRC1E62 is used  
\*4Applicable when BRC1C61 is used  
\*5Option

- Increased freedom of design thanks to variable control over external static pressure
- Reduced installation time


Comfort airflow achieved in accordance with conditions such as duct length.



- Thin, lightweight indoor unit makes delivery and installation easy.

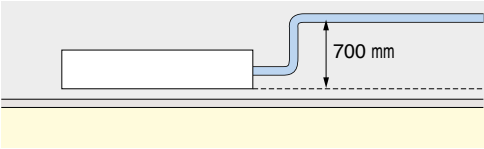
With a height of only 300 mm, installation is possible even in buildings with narrow ceiling spaces.

300mm



Indoor unit	50/60/71D	100D	125D	140D
Height (mm)	300			
Width (mm)	1,000	1,400		
Depth (mm)	700			
Machine weight (kg)	36	46		

Drain pump is equipped as standard accessory with 700 mm lift.



Use remote controller to adjust airflow

When testing standard integrated ceiling units that employ duct work, much time used to be required to adjust airflow to the right level. Thanks to the ability provided by Daikin to automatically perform this troublesome adjustment using a remote controller, this step is now quick and easy. (Adjust by H tap.)

1. Adjust to approximately ±10% of the rated H tap airflow.  
2. Once actual operation has begun, adjustment of the rated airflow is not possible.

Easier connection with the centralised control system

Quiet operation

	50/60/71D	100D	125/140D
High	37	38	40
Low	32	33	36

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Easy maintenance

Maintenance is easy because the drain pan can be removed.

Clean

- Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

Comfortable

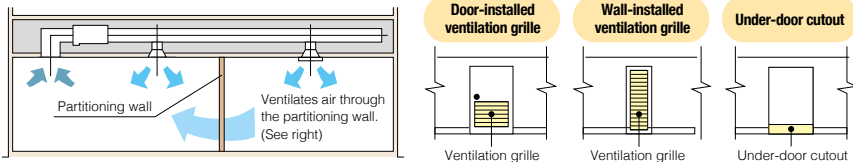
- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.

\*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.  
\*\*Wireless remote controller does not have a temperature-sensor.

Simultaneous air conditioning of two rooms and ventilation grille (ventilation opening)

When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the door between the rooms.



Note: The under-door cutout method should be used only when there is a small volume of airflow.

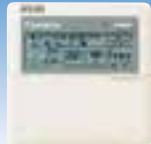
# New airflow control for more comfort



Option

Accessory required for indoor unit.

### Wired LCD remote controller



**BRC1C61**

Note: Remote controller cable not included. Cables must be procured locally.

### Navigation Remote Controller

(Wired Remote Controller)



**BRC1E62**

Note: Remote controller cable not included. Cables must be procured locally.

BRC1E62 can be incorporated into the main unit.

## Features

Comfort								Remote controller				Cleanliness	Work & Servicing				Control features					Others																																																													
●	Auto swing		●	Independent up-and-down airflow		●	Switchable fan speed (3 step)		*1	Auto airflow rate		*2	High fan speed mode		●	Programme "Dry"		*3	Two selectable temperature-sensors		*4	Night quiet operation		*1	Setpoint auto reset		*1	Setpoint range set		*1	Weekly schedule timer		*1	Off timer (programmed)		*5	On/Off timer		●	Anti-bacterial air filter		*4	Pre charged for up to 30 m		●	Long-life filter		●	Filter sign		*4	Low gas pressure detection		●	Emergency operation		●	Self-diagnosis function		●	Auto-restart		●	Control by 2 remote controllers		●	Group control by 1 remote controller		●	External command control		●	Central remote control		●	Interlock control		●	DII-NET communication standard		*4	Anti corrosion treated heat exchangers	

\*1Applicable when BRC1E62 is used

\*2Applicable for FVQ50-100

\*3Applicable when wired remote controller is used

\*4For the outdoor units

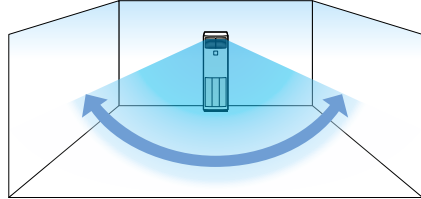
\*5Applicable when BRC1C61 is used

## New comfortable airflow control

### 1) Left and right directions (by remote controller)

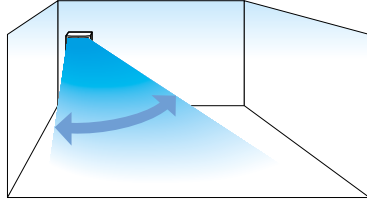
- Auto swing direction is selectable from 3 patterns to suit the layout of the room.  
(Applicable when BRC1E62 is used.)

Pattern 1 Wide swing toward the front

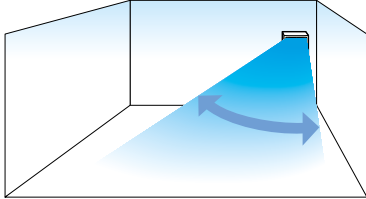


When installed in the center of a wall.

Pattern 2 Swing on the left side



Pattern 3 Swing on the right side



When installed in the corner of a room.

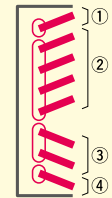
### 2) Up and down directions (by hand)

- Independent up-and-down airflow directions facilitate even room temperature and help save energy.

Freely select both up and down airflow direction with 8-louver (horizontal blade) operation.



New unit

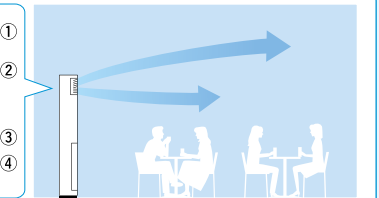


- ① Upper louver (1)
  - ② Upper interlocking louvers (4)
  - ③ Lower interlocking louvers (2)
  - ④ Lower louver (1)
- Each set of louvers ① to ④ can be independently adjusted. (Manual adjustment)

Example applications

When cooling

Turning louvers ① and ② upward and leaving ③ and ④ horizontal will reduce uneven room temperature.



## Comfortable fan speed control

- Switchable fan speed: High/Middle/Low and Auto ("Auto" is applicable when BRC1E62 is used.)
- Auto airflow rate is selectable.  
Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.
- High fan speed mode (applicable for FVQ50-100)  
To carry airflow to the far side of the room, airflow rate can be increased 5% or 10% depending on the installation condition or customer's request. (Field setting by remote controller.)
- Programme "Dry"  
Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

## Energy saving

- A DC fan motor improves efficiency.

## Quiet operation

Indoor unit	dB(A)			
	50/60/71C	100C	125C	140C
High	43	50	51	53
Middle	41	47	48	51
Low	38	44	46	48

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

## Quick and easy installation and maintenance

### Lightweight indoor unit

Enables smooth transport and installation of the indoor unit.

Indoor unit	(kg)			
	50/60/71C	100C	125C	140C
Weight	39	47		

- Long-life filter lasts about 1year \* maintenance not required

\* For dust concentration of 0.15 mg/ m<sup>3</sup>

- Employs a safety lock function of suction grill.

The grill will not open even upon impact.

- Easier connection with the centralised control system.



**Super Inverter**

# Compact Outdoor unit



RZR50LVVM  
RZR60LVVM  
RZR71LVVM



RZR100LVVM



RZR125LVVM  
RZR140LVVM  
RZR100LUY1  
RZR125LUY1  
RZR140LUY1

## Easy installation and maintenance

Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

Long piping length

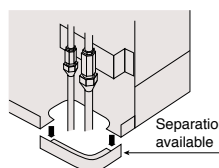
■ Allowed refrigerant piping length and level difference

	ALL model
Pre charged <sup>1</sup>	30 m
Max. length	50 m (Equivalent length 70m)
Max. level difference	30 m

Note : <sup>1</sup>Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

4-direction piping offers greater layout freedom (RZR100-140 only)

The outer panel for the piping connection part of the front, right side and backside can be removed and is easier for post-installation piping work.



Facilitates pump down (Refrigerant recovery function)

A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified.

\*Pump-down function is available for pre-charged refrigerant amount.

Low gas pressure detection function

Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

## Compact and lightweight

Reduced installation work thanks to light, compact outdoor unit.

■ Comparison of outdoor units

	RZR100KU	NEW RZR100LV
Height	1,170 mm	990 mm
Weight	92 kg	78 kg



990 mm

Reduced by 180 mm  
Reduced by 14 kg

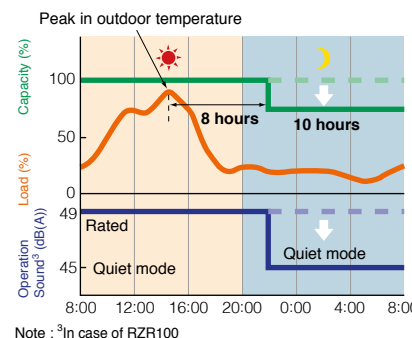
## Night time quiet operation function

The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

★ Reducing noise will reduce capacity slightly.

	Sound level <sup>1</sup> (dB(A))	
	Rated <sup>2</sup>	Night Quiet Mode
RZR50/60LVVM	48	44
RZR71LVVM	48	44
RZR100LVVM/LUY1	49	45
RZR125LVVM/LUY1	50	45
RZR140LVVM/LUY1	50	46

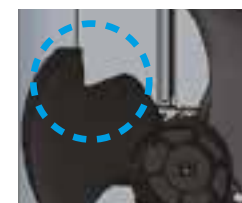
Note : <sup>1</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.  
<sup>2</sup>Value when cooling. Value will differ when heating.



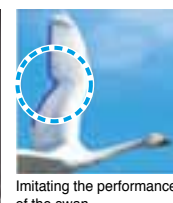
## Energy saving

(RZR50-71 only)

Through use of a V-cut propeller fan that imitates the efficiency of the swan, a migratory bird, airflow becomes smooth and loss is reduced.



Φ550 V-cut propeller fan



Imitating the performance of the swan

## Durability

As the bottom frame is subject to corrosion, corrosion-proof galvarium steel plate is adopted to enhance the durability.

Heat exchange fins provided with anti-corrosion treatment

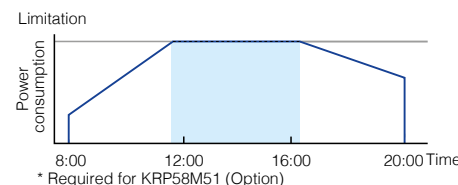
Construction

Non-treated fin	Aluminium
Anti corrosion treated heat exchangers	Hydrophilic film Aluminium Corrosion resistant acrylic resin

## Demand Control Function

(RZR100-140 only)

The maximum capacity is maintained within a set level of power consumption, which makes it possible to keep comfort and effective demand control.



# Technology for energy efficiency

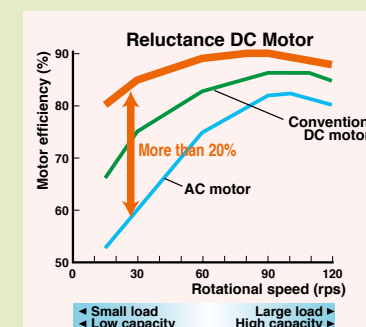
The high efficiency compressor to achieve a high COP

### 1 Compressor equipped with Reluctance DC motor

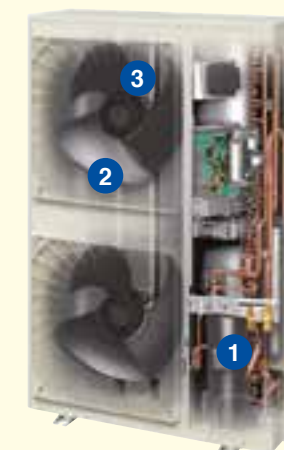
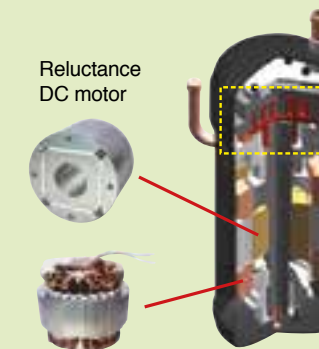
Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor.

The Reluctance DC motor uses 2 different types of torque, neodymium magnet\*1 and reluctance torque\*2.

This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor.



Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.



### >> Smooth sine wave DC inverter

Use of an optimised sine wave smoothes motor rotation, further improving operating efficiency.

Sine wave DC inverter

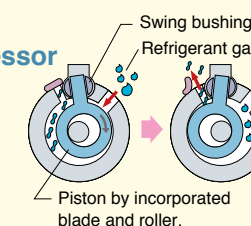


\*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.  
\*2. The torque created by the change in power between the iron and magnet parts.

RZR50/60/71/100LVVM

### >> Swing compressor

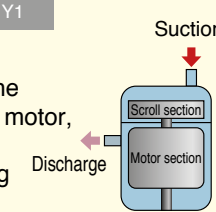
Energy savings is realised, eliminating the friction and the leakage of refrigerant gas.



RZR125/140LVVM, RZR100/125/140LUY1

### >> The structural scroll

Sucked gas is compressed in the scrolling part before the heated motor, so that the machine compresses the non-expanded gas, resulting in high efficiency compression.



### 2 Smooth Air Inlet Bell Mouth and Aero Spiral Fan

(RZR100-140 only)

These two features work to reduce noise. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.



With the bent blade edge Without the bent blade edge



Escaping eddies are sucked in by the bent blade edges, reducing overall turbulence.

### 3 DC fan motor

Efficiency improved in all areas compared to AC motors, especially at low speeds.

DC fan motor structure



Easy-to-read LCD remote controller allows various system

control configurations and can control multiple indoor units.

Remote controller options are shown on the page introducing each indoor unit model.

Navigation Remote Controller

(Wired Remote Controller BRC1E62)

NEW

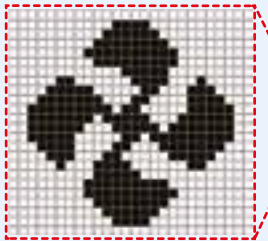


This simple, modern designed remote controller with fresh white colour matches your interior design. Operation is much easier and smoother, just follow the indications on the navigation remote controller.

Clear Display

Dot matrix display

A combination of fine dots enables various icons. Large text display is easy to see.



Backlight display

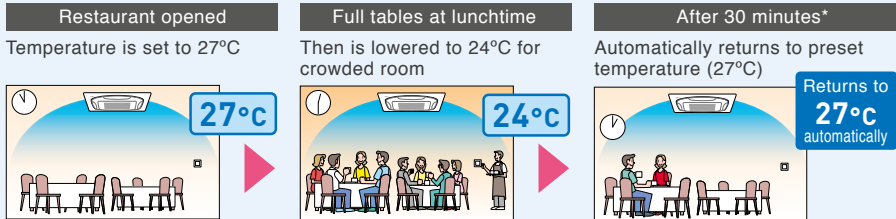


Energy saving

NEW Setpoint auto reset

- Even if the set temperature is changed, it returns to the preset temperature after apreset period of time.
- Period selectable from 30min/60min/90min/120min.

Restaurant sample



Off timer (programmed)

- Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts.
- Period can be preset from 30 to 180 minutes in 10-minute increments.

NEW Setpoint range set

- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient when the remote controller is installed at a place where any number of people may operate it.



Convenience

Weekly schedule

- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as holiday.
- 3 independent schedules can be set. (e.g. summer, winter, mid-season)



Multilingual display

Display is available in 11 languages.  
(English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian, Turkish, and Polish).

Wired LCD remote controller

Easy to read because of large LCD screen.



BRC1C61

- The rubber switch and the oil-resistant plastic casing are adopted for durability.
- Only 17 mm thick. Can be installed either recessed or exposed.

Wired remote controller has built-in temperature-sensor

(Applies to wired remote controllers (BRC1C61/1E62))

- Enables temperature sensing closer to target area for improved comfort. (When using remote control from another room, temperature-sensor in indoor unit's air inlet must be selected.)

Facilitates maintenance and repair

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling mounted cassette type can be remotely set without having to use stepladder access for manual setting.

Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).

- Remote controller is equipped with model name and failure display functions. This facilitates service in the unlikely event of a malfunction. (Applies to wired remote controller (BRC1E62))

SkyAir shares common control with Heat Reclaim Ventilator and the other Daikin air-conditioning units, thus simplifying interlocking operations.

- Easily adaptable to large-scale, high-function, centralised remote control systems. Installing and connecting control wiring between SkyAir and other Daikin air-conditioning equipment is easy.

LCD wireless remote controller



Wireless remote controller



BRC7F633F

Signal receiver unit  
(For ceiling mounted cassette type)

- The wireless remote controller is supplied in a set with a signal receiver.
- Signal receiver unit is contained inside decoration panel or indoor unit
- Shape of signal receiver unit differs according to the indoor unit.

Note: The signal receiver unit shown in the photograph is for mounting inside the decoration panel of the ceiling mounted cassette type.

Wireless remote controller for each indoor unit type

CEILING MOUNTED CASSETTE TYPE		BRC7F633F
COMPACT MULTI FLOW TYPE		BRC7E531W
CEILING SUSPENDED TYPE	35-125BV	BRC7EA66
	140CA	BRC7GA56
WALL MOUNTED TYPE		BRC7EB519
CEILING MOUNTED BUILT-IN TYPE		BRC4C62
DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE		BRC4C64

LCD panel shows operating status in letters, numbers, and motion.

Airflow / swing display

Displays auto-swing operating status and setting position of air discharge angle.

Preset temperature / operation mode display

Displays preset room temperature and operating status (fan, dry, cool).

Programming time display

Operation start and stop time can be set for individual timers up to 72 hours. The LCD also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.

Self-diagnosis function

Monitors operating status within the system covering 40 items, and displays a message to indicate as soon as a malfunction occurs.



## Simple system provides a diverse assortment of control modes.

	Control pattern	Wired remote controller	Wireless remote controller
<b>Control by 1 remote controller</b>	(Basic system)	<ul style="list-style-type: none"> <li>Non-polar, double-core (max. wiring length 500 m)</li> </ul>	<ul style="list-style-type: none"> <li>Signal receiver unit installed on indoor unit</li> </ul>
<b>Control by 2 remote controllers</b>	For control from 2 locations such as in room and control room, exits, etc.	<ul style="list-style-type: none"> <li>Connects 2 wired remote controllers (See note 1)</li> </ul>	<ul style="list-style-type: none"> <li>Control by 1 wireless remote controller and 1 wired remote controller (See note 2, 3)</li> <li>Signal receiver unit installed on indoor unit</li> </ul>
<b>Group control</b>	For simultaneous control of up to 16 indoor units.	<ul style="list-style-type: none"> <li>Automatic address setting function</li> </ul>	<ul style="list-style-type: none"> <li>Automatic address setting function</li> <li>Signal receiver unit installed on 1 indoor unit</li> </ul>
<b>Control by external command</b>	Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.	<ul style="list-style-type: none"> <li>Optional wiring adaptor for electrical appendices is necessary</li> </ul>	<ul style="list-style-type: none"> <li>Optional wiring adaptor for electrical appendices is necessary</li> </ul>
<b>Centralised remote control</b>	Centralised control of up to 64 indoor groups from remote location up to 1 kilometer away.	<ul style="list-style-type: none"> <li>Central remote controller (option)</li> <li>Interface adaptor for SkyAir series (option) is required (See note 4)</li> </ul>	<ul style="list-style-type: none"> <li>Central remote controller (option)</li> <li>Interface adaptor for SkyAir series (option) is required (See note 4)</li> </ul>
<b>Interlock control with Heat Reclaim Ventilator</b>	Link by remote controller group control.	<ul style="list-style-type: none"> <li>Heat Reclaim Ventilator</li> <li>Can be operated simultaneously or independently by remote controller (set by ventilation mode)</li> </ul>	<ul style="list-style-type: none"> <li>Heat Reclaim Ventilator</li> <li>Can be operated simultaneously by remote controller (set by ventilation mode)</li> </ul>
	Zone link control by centralised control.	<ul style="list-style-type: none"> <li>Central remote controller (option)</li> <li>Heat Reclaim Ventilator</li> <li>Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking. Can also be operated independently by remote controller.</li> </ul>	<ul style="list-style-type: none"> <li>Central remote controller (option)</li> <li>Heat Reclaim Ventilator</li> <li>Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking.</li> </ul>

Note: \*BRC1E62 can connect to BRC1E62 only.  
 †It is not possible to use two wireless remote controllers.  
 ‡BRC1E62 cannot connect to wireless remote controller.  
 §The ceiling mounted cassette type <Round Flow>, ceiling suspended type (140CA only), wall mounted type, duct connection middle and high static pressure type, and floor standing type come standard with an interface adaptor for SkyAir series.

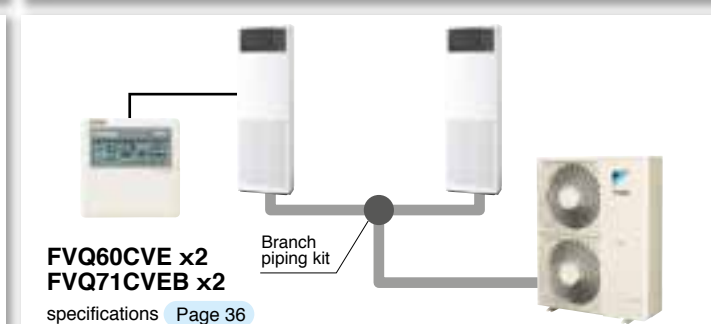
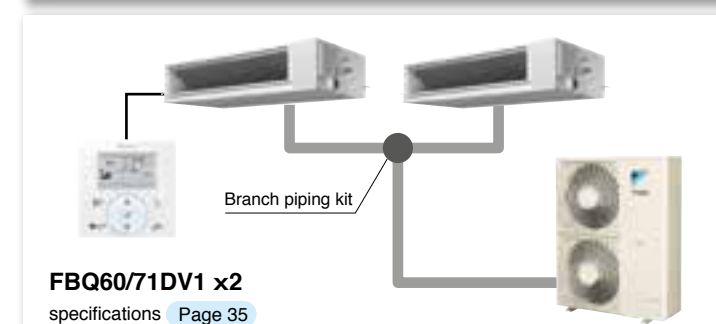
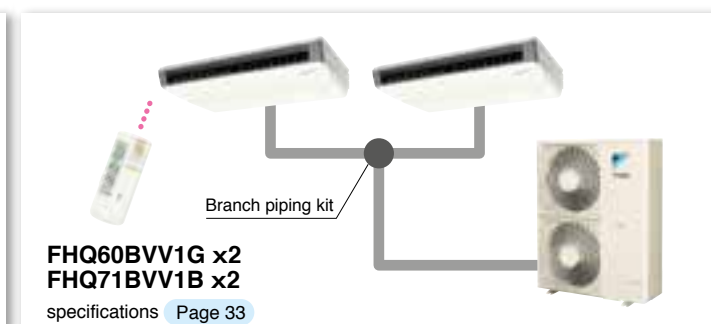
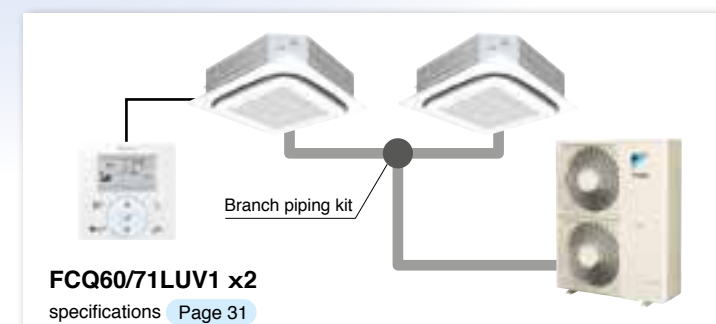
## Easily adaptable to large-scale, high-function, centralised remote control system.

Central remote controller	Unified on/off controller	Schedule timer	Intelligent Controller
<b>DCS302CA61</b> (Option)	<b>DCS301BA61</b> (Option)	<b>DST301BA61</b> (Option)	<b>DCS601C51</b> (Option)
Centralised control, with setting as simple as it is with a standard remote controller, of up to 64 groups (1,024 indoor units) is possible.	Centralised control of on/off by group or all at once for up to 256 indoor units.	Unified control of weekly schedule for up to 1,024 indoor units. Schedule timer sets on/off time in 1 minute units to be executed twice a day for a week at a time.	With its high functionality, the full colour "all-in-one" graphic controller facilitates management of SkyAir System in a variety of ways.
<b>Interface adaptor for SkyAir series</b> <b>DTA112BA51</b> (Option)	Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin VRV system. Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.	<ul style="list-style-type: none"> <li>The interface adaptor for the SkyAir series is optional except for the ceiling mounted cassette type &lt;Round Flow&gt;, ceiling suspended type (140CA only), wall mounted type, duct connection middle and high static pressure type, and floor standing type.</li> </ul>	

## Simultaneous operation system <Twin Multi operation>

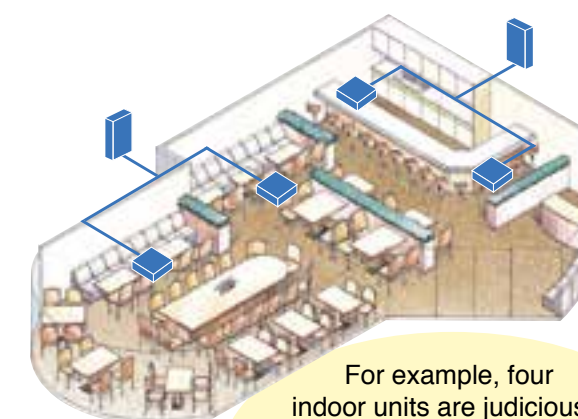
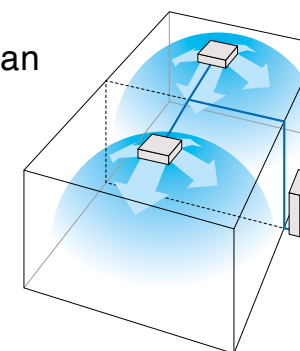
Super Inverter

# Four new types of Multi series indoor units are now available!



## Twin Multi for comfort and economy

- Lower installation cost than individual pair type
- Reduced outdoor unit installation space
- Distributed indoor units enhance comfort

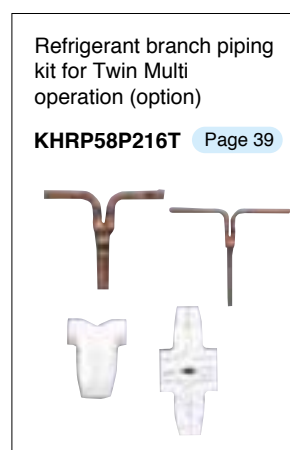
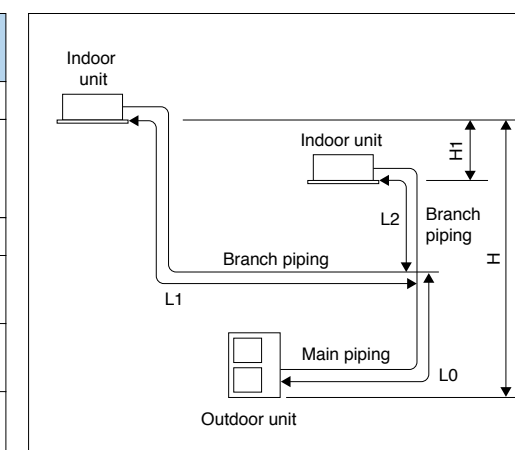


2 sets of Twin Multi

For example, four indoor units are judiciously spaced in this wide single-floor restaurant to deliver comfortable currents of air to every corner of the room.

## Piping guideline

Outdoor unit	RZR125/140LVVM RZR125/140LUY1
Max. piping length	$L0 + L1 + L2 \leq 60 \text{ m}$
One-way max. piping length (longest length of liquid piping or gas piping)	$L0 + L1 \leq 50 \text{ m}$ (In case of $L1 > L2$ )
Max. branch piping length	$L1, L2 \leq 20 \text{ m}$
Max. difference of branch piping length	$L1 - L2 \leq 10 \text{ m}$ (In case of $L1 > L2$ )
Max. level difference between indoor units	$H1 \leq 0.5 \text{ m}$
Max. level difference between outdoor unit and indoor units	$H \leq 30 \text{ m}$



# Abundance of functions that provide comfortable air-conditioning in stores and offices.

• Note: Some features only available on selected models. See model pages for full list of features applicable to each unit.

## Comfort

### Auto-swing

Delivers comfortable air-conditioning to all areas, near to and far from the air-conditioner.

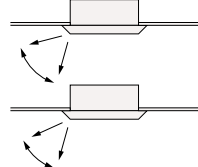
■ The air flow direction can be fixed at your desired angle by the remote controller.

### Swing pattern selection

(standard, ceiling soiling prevention)

You can freely set 2 air discharge setting by remote controller.

- (1) Air direction in standard setting
- (2) Air direction in ceiling soiling prevention setting



### Independent up-and-down airflow

Independently adjust (manually) the eight horizontal blade louvers in both up and down directions to achieve an airflow that reduces uneven room temperature.

### Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

### Auto airflow rate

Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.

### High fan speed mode

You can increase fan speed approximately 10% higher than the "high" setting.

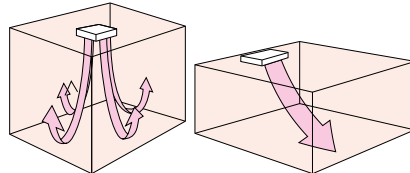
• Applicable for wall mounted type

### Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature. Useful for reducing uncomfortable humidity without uncomfortable cooling of the room.

### High-ceiling application

Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.

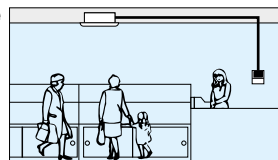


Note: When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

### Two selectable temperature-sensors

Temperature-sensors are included in the indoor unit and optional wired remote controller. Temperature sensing closer to target area is possible to further increase the comfort level.

- Use the temperature-sensor in the indoor unit when controlling air conditioning from another room.



Note: Wireless remote controllers have no temperature-sensor.

### Night quiet operation

The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

## Remote Controller

### Setpoint auto reset

Even if the set temperature is changed, it returns to the preset temperature after a preset period of time.

### Setpoint range set

Saves energy by limiting the minimum and maximum set temperatures. Avoids excessive heating and cooling.

### Weekly schedule timer

Up to five operation ON/OFF settings can be programmed per day for each day of the week. Not only can the time be set for the operation ON setting, but also the temperature.

### Off timer (programmed)

Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts.

### On/Off timer

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

## Cleanliness

### Anti-bacterial air filter

The Air filter has a anti-bacterial treatment to help prevent the growth of bacteria and mould on it.

### Mould-proof air filter

Sanitary filter has mould-resistant treatment.

### Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

### Mould-proof drain pan

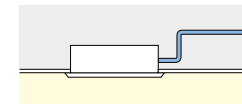
Mould-proof drain pan prevents growth of mould in highly humid conditions.

• Note: Some features only available on selected models. See model pages for full list of features applicable to each unit.

## Work and Servicing

### Drain pump mechanism

Steeper gradient realises more efficient condensate drainage. High-lift is especially useful for long lengths of drain piping.



### Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

\*Applicable to RZR50-140.  
RXS50FA/60F/71F, RKS25A/35A : 10 m

### Long-life filter

Maintenance is not required for one year (two years when a ceiling mounted cassette type is used).

### Filter sign

The filter sign warns you when it is time to clean the filter.

\*When using a wired remote controller the sign is displayed in the LCD. When using a wireless remote controller the filter sign lamp illuminates on the signal receiver unit.

### Ceiling soiling prevention function

Daikin's innovative air discharge mechanism keeps airflow away from the ceiling. Ceiling cleaning is less frequently required.

### Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure. Reliability is assured and maintenance and inspection can be carried out more quickly.

### Emergency operation

If there is a malfunction elsewhere in the system, the fan or compressor can still be operated.

### Self diagnosis function

The operating parameters of indoor and outdoor units, and sensor data at critical locations throughout the system, are constantly monitored using a microcomputer. To facilitate quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.

## Control features

### Auto-restart

If there is a power outage while the equipment is operating, operations will restart in the same mode as before the power cut when electricity is restored.

### Control by 2 remote controllers

Using 2 remote controllers you can operate the equipment locally or from a remote location.

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.

### Group control by 1 remote controller

You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

### External command control

Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.

\*Required for KRP58M51 (Option)

### Central remote control

Optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 kilometer away.

### Interlock control

Enables interlocking control with external equipment such as Heat Reclaim Ventilator.

### DIII-NET communication standard

Standardly equipped interface enables connection to centralised control system without need of an adaptor.

## Options

### High-efficiency filter unit

Two types are available: 65% and 90% colorimetry.

### Ultra long-life filter

Requires no maintenance for about 4 years\* (10,000h) in stores and offices.

\*For dust concentration of 0.15 mg/m<sup>3</sup>

### Fresh-air intake kit

You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

Note: \*Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.

\*\*Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63) is required for interlocking.

\*\*\*It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating noise and may also influence temperature sending.

## Others

### Anti corrosion treated heat exchangers

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated Anti corrosion treated heat exchangers (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit. In high corrosive areas, regular maintenance needs to be carried out.



CEILING MOUNTED CASSETTE TYPE

				50	60	71	100	125	140	100	125	140		
Model Name	Indoor unit			FCQ50LUV1	FCQ60LUV1	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1		
	Outdoor unit			RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1		
Power supply		Outdoor unit			1 Phase, 220–240 V, 50 Hz							3 Phase, 380–415 V, 50 Hz		
Cooling capacity <sup>1,2</sup> Rated (Min. - Max.)		kW	5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)			
Power consumption		Cooling <sup>1</sup>	kW	1.03	1.40	1.99	2.78	3.68	4.91	2.78	3.68	4.91		
COP			W/W	4.87	4.30	3.57	3.60	3.40	2.85	3.60	3.40	2.85		
Indoor unit	Colour		Unit											
	Decoration panel			Fresh white										
	Airflow rate (H/L)		m³/min	21/13.5			32/20	33/22.5		32/20	33/22.5			
			cfm	741/477			1,130/706	1,165/794		1,130/706	1,165/794			
	Sound level (H/L) <sup>3</sup>		dB(A)	35/28			43/32	44/34	44/36	43/32	44/34	44/36		
	Dimensions (H×W×D)		Unit	mm	256×840×840			298×840×840						
			Decoration panel	mm	50×950×950									
	Machine weight		Unit	kg	21			24						
			Decoration panel	kg	5.5									
Certified Operation range		Cooling	°CWB	14 to 25										
Outdoor unit	Colour			Ivory white										
	Compressor		Type	Hermetically sealed swing type				Hermetically sealed scroll type						
			Motor output	kW	1.12	1.35	1.76	2.03	2.4	3.1	1.8	2.4	3.1	
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)			2.7 (Charged for 30 m)	3.15 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)			
	Sound level <sup>3</sup>		Cooling	dB(A)	48			49	50		49	50		
			Night quiet mode	dB(A)	44			45	46	45		46		
	Dimensions (H×W×D)		mm	595×845×300			990×940×320	1,170×900×320						
	Machine weight		kg	43			78	97		92	97			
	Certified Operation range		Cooling	°CDB	21 to 46									
Piping connections	Liquid (Flare)		mm	ø9.5										
	Gas (Flare)		mm	ø15.9										
	Drain		Indoor unit	mm	VP25 (I.Dø25×O.Dø32)									
			Outdoor unit	mm	ø26.0 (Hole)									
Max. interunit piping length			m	50 (Equivalent length 70)										
Max. installation level difference			m	30										
Heat insulation				Both liquid and gas piping										

Twin Multi

Model Name			125		140		125		140					
			Indoor unit		FCQ60LUV1x2		FCQ71LUV1x2		FCQ60LUV1x2		FCQ71LUV1x2			
Outdoor unit			RZR125LVVM		RZR140LVVM		RZR125LUY1		RZR140LUY1					
Power supply			Outdoor unit		1 Phase, 220–240 V, 50 Hz				3 Phase, 380–415 V, 50 Hz					
Cooling capacity <sup>1,2</sup> Rated (Min. - Max.)			kW		12.5 (5.7-14.0)		14.0 (6.2-15.4)		12.5 (5.7-14.0)		14.0 (6.2-15.4)			
Power consumption		Cooling <sup>1</sup>	kW		3.68		4.91		3.68		4.91			
COP			W/W		3.40		2.85		3.40		2.85			
Indoor unit	Colour		Unit		-----									
			Decoration panel		Fresh white									
	Airflow rate (H/L)		m³/min		21/13.5									
			cfm		741/477									
	Sound level (H/L) <sup>3</sup>		dB(A)		35/28									
			Unit		mm		256×840×840							
	Decoration panel		mm		50×950×950									
	Machine weight		Unit		kg		21							
			Decoration panel		kg		5.5							
Certified Operation range		Cooling	°CWB		14 to 25									
Outdoor unit	Colour		Ivory white											
	Compressor		Type		Hermetically sealed scroll type									
			Motor output		kW		2.4		3.1		2.4		3.1	
	Refrigerant charge (R-410A)		kg		3.15 (Charged for 30 m)				3.7 (Charged for 30 m)					
	Sound level <sup>3</sup>		Cooling		dB(A)		50							
			Night quiet mode		dB(A)		45		46		45		46	
	Dimensions (H×W×D)		mm		1,170×900×320									
	Machine weight		kg		97									
	Certified Operation range		Cooling	°CDB		21 to 46								
Piping connections	Liquid (Flare)		mm		ø9.5									
	Gas (Flare)		mm		ø15.9									
	Drain		Indoor unit		VP25 (1.Dø25×O.Dø32)									
			Outdoor unit		ø26.0 (Hole)									
	Max. interunit piping length			m		50 (Equivalent length 70)								
Max. installation level difference			m		30									
Heat insulation			Both liquid and gas piping											

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.  
<sup>3</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

				25	35
Model Name	Indoor unit			FFQ25BV1B	FFQ35BV1B
	Outdoor unit			RKS25AVMG	RKS35AVMG
Power supply		Outdoor unit		1 Phase, 220–240 V, 50 Hz	
Cooling capacity <sup>1</sup> Rated (Min. - Max.)			kW	2.5 (1.2-3.0)	3.4 (1.2-3.7)
Power consumption		Cooling <sup>1</sup>	kW	0.73	1.10
COP			W/W	3.42	3.09
Indoor unit	Colour	Unit		_____	
		Decoration panel		White	
	Airflow rate (H/L)	m <sup>3</sup> /min		9/6.5	
		cfm		317/229	
	Sound level (H/L) <sup>2</sup>	dB(A)		29.5/24.5	
	Dimensions (H×W×D)	Unit		mm	
		Decoration panel		mm	
Machine weight	Unit		kg		
	Decoration panel		kg		
Certified operation range			°CWB	14 to 23	
Outdoor unit	Colour			Ivory white	
	Compressor	Type		Hermetically sealed swing type	
		Motor output		kW	
	Refrigerant charge (R-410A)		kg	0.6	
				1.0 (Charged for 10 m)	
	Sound level <sup>2</sup>		dB(A)	46	
	Dimensions (H×W×D)		mm	550×765×285	
	Machine weight		kg	34	
Certified operation range			°CDB	10 to 46	
Piping connections	Liquid (Flare)		mm	ø6.4	
	Gas (Flare)		mm	ø9.5	
	Drain	Indoor unit	mm	VP20 (I.D ø20×O.D ø26)	
		Outdoor unit	mm	ø18.0 (Hole)	
Max. interunit piping length			m	20	
Max. installation level difference			m	15	
Heat insulation				Both liquid and gas piping	

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

CEILING SUSPENDED TYPE

				35	
Model Name	Indoor unit			FHQ35BVV1B	
	Outdoor unit			RKS35AVMG	
Power supply		Outdoor unit		1 Phase, 220–240 V, 50 Hz	
Cooling capacity <sup>1</sup> Rated (Min. - Max.)			kW	3.4 (1.2-3.7)	
Power consumption		Cooling <sup>1</sup>	kW	1.05	
COP			W/W	3.24	
Indoor unit	Colour			White	
	Airflow rate (H/L)		m <sup>3</sup> /min	13/10	
			cfm	458/353	
	Sound level (H/L) <sup>2</sup>		dB(A)	37/32	
	Dimensions (H×W×D)		mm	195×960×680	
	Machine weight		kg	24	
Certified operation range			°CWB	14 to 23	
Outdoor unit	Colour			Ivory white	
	Compressor	Type		Hermetically sealed swing type	
		Motor output		kW	0.6
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10 m)	
	Sound level <sup>2</sup>		dB(A)	47	
	Dimensions (H×W×D)		mm	550×765×285	
	Machine weight		kg	34	
	Certified operation range			°CDB	10 to 46
Piping connections	Liquid (Flare)		mm	ø6.4	
	Gas (Flare)		mm	ø9.5	
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)	
		Outdoor unit	mm	ø18.0 (Hole)	
Max. interunit piping length			m	20	
Max. installation level difference			m	15	
Heat insulation				Both liquid and gas piping	

SPECIFICATIONS

CEILING SUSPENDED TYPE

				50	60	71	100	125	140	100	125
Model Name	Indoor unit			FHQ50BVV1G	FHQ60BVV1G	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ140CAVEB	FHQ100BVV1B	FHQ125BVV1B
	Outdoor unit			RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1
Power supply		Outdoor unit		1 Phase, 220~240 V, 50 Hz						3 Phase, 380~415 V, 50 Hz	
Cooling capacity <sup>1,2</sup> Rated (Min. - Max.)		kW		5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.3 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)
Power consumption		Cooling <sup>1</sup>	kW	1.39	1.69	2.50	3.51	4.55	4.68	3.51	4.55
COP			W/W	3.60	3.56	2.84	2.85	2.75	2.84	2.85	2.75
Indoor unit	Colour			White				Fresh white		White	
	Airflow rate (H/M/L)		m³/min	17/-/14			24/-/20	30/-/25	34/29/24	24/-/20	30/-/25
			cfm	600/-/494			847/-/706	1,059/-/883	1,200/1,024/847	847/-/706	1,059/-/883
	Sound level (H/M/L) <sup>3</sup>		dB(A)	39/-/35			42/-/37	44/-/39	46/42/38	42/-/37	44/-/39
	Dimensions (H×W×D)		mm	195×1,160×680			195×1,400×680	195×1,590×680	235×1,590×690	195×1,400×680	195×1,590×680
	Machine weight		kg	27			32	35	38	32	35
Certified operation range		°CWB	14 to 25								
Outdoor unit	Colour			Ivory white							
	Compressor	Type		Hermetically sealed swing type				Hermetically sealed scroll type			
		Motor output	kW	1.12	1.35	1.76	2.03	2.6	3.1	2.1	2.6
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)			2.7 (Charged for 30 m)	3.15 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level <sup>3</sup>	Cooling	dB(A)	48			49	50		49	50
		Night quiet mode	dB(A)	44			45		46	45	
	Dimensions (H×W×D)		mm	595×845×300			990×940×320	1,170×900×320			
	Machine weight		kg	43			78	97		92	97
	Certified operation range		°CDB	21 to 46							
Piping connections	Liquid (Flare)		mm	ø9.5							
	Gas (Flare)		mm	ø15.9							
	Drain	Indoor unit	mm	VP20 (1.Dø20×O.Dø26)							
		Outdoor unit	mm	ø26.0 (Hole)							
Max. interunit piping length			m	50 (Equivalent length 70)							
Max. installation level difference			m	30							
Heat insulation				Both liquid and gas piping							

Twin Multi

			125	140	125	140	
Model Name	Indoor unit		FHQ60BVV1Gx2	FHQ71BVV1Bx2	FHQ60BVV1Gx2	FHQ71BVV1Bx2	
	Outdoor unit		RZR125LVVM	RZR140LVVM	RZR125LUY1	RZR140LUY1	
Power supply	Outdoor unit		1 Phase, 220–240 V, 50 Hz		3 Phase, 380–415 V, 50 Hz		
Cooling capacity <sup>1,2</sup> Rated (Min. - Max.)		kW	12.5 (5.7-14.0)	13.3 (6.2-15.4)	12.5 (5.7-14.0)	13.3 (6.2-15.4)	
Power consumption	Cooling <sup>1</sup>	kW	4.55	5.32	4.55	5.32	
COP		W/W	2.75	2.50	2.75	2.50	
Indoor unit	Colour		White				
	Airflow rate (H/L)		m <sup>3</sup> /min	17/14			
			cfm	600/494			
	Sound level (H/L) <sup>3</sup>		dB(A)	39/35			
	Dimensions (H×W×D)		mm	195×1,160×680			
	Machine weight		kg	27			
Certified operation range		°CWB	14 to 25				
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	2.4	3.1	2.6	2.9
	Refrigerant charge (R-410A)		kg	3.15 (Charged for 30 m)		3.7 (Charged for 30 m)	
	Sound level <sup>3</sup>	Cooling	dB(A)	50			
		Night quiet mode	dB(A)	45	46	45	46
	Dimensions (H×W×D)		mm	1,170×900×320			
	Machine weight		kg	97			
	Certified operation range		°CDB	21 to 46			
Piping connections	Liquid (Flare)		mm				
	Gas (Flare)		mm				
	Drain	Indoor unit	mm				
		Outdoor unit	mm				
Max. interunit piping length			m				
Max. installation level difference			m				
Heat insulation			Both liquid and gas piping				

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.  
<sup>3</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

WALL MOUNTED TYPE

				71	100	100		
Model Name	Indoor unit			FAQ71CVEA	FAQ100CVEA	FAQ100CVEA		
	Outdoor unit			RZR71LVVM	RZR100LVVM	RZR100LUY1		
Power supply		Outdoor unit			1 Phase, 220–240 V, 50 Hz		3 Phase, 380–415 V, 50 Hz	
Cooling capacity <sup>1,2</sup> Rated (Min. - Max.)			kW	7.1 (3.2-8.0)	10.0 (5.0-11.2)			
Power consumption		Cooling <sup>1</sup>	kW	2.19	3.37		4.20	
COP			W/W	3.24	2.97		2.38	
Indoor unit	Colour		Fresh white					
	Airflow rate (H/M/L)		m³/min	18/16/14	26/23/19			
			cfm	635/565/494	918/812/671			
	Sound level (H/M/L) <sup>3</sup>		dB(A)	45/42/40	49/45/41			
	Dimensions (H×W×D)		mm	290×1,050×238	340×1,200×240			
	Machine weight		kg	13	17			
Certified Operation range		°CWB		14 to 25				
Outdoor unit	Colour		Ivory white					
	Compressor	Type			Hermetically sealed swing type		Hermetically sealed scroll type	
		Motor output	kW	1.76	2.03	2.1		
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)	3.35 (Charged for 30 m)	2.7 (Charged for 30 m)		
	Sound level <sup>3</sup>	Cooling	dB(A)	48	49			
	Dimensions (H×W×D)		mm	595×845×300	900×940×320	1,170×900×320		
	Machine weight		kg	43	78	92		
	Certified Operation range		°CDB		21 to 46			
Piping connections	Liquid (Flare)		mm	ø9.5				
	Gas (Flare)		mm	ø15.9				
	Drain	Indoor unit	mm	VP13 (O.D.ø18 × I.D.ø13)				
		Outdoor unit	mm	ø26.0 (Hole)				
Max. interunit piping length			m	50 (Equivalent length 70m)				
Max. installation level difference			m	30				
Heat insulation				Both liquid and gas piping				

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.  
<sup>3</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

CEILING MOUNTED BUILT-IN TYPE

					50	60	71
Model Name	Indoor unit				FBQ50BV1A	FBQ60BV1A	FBQ71BV1A
	Outdoor unit				RXS50FAVMA	RXS60FVMA	RXS71FVMA
Power supply		Outdoor unit			1 Phase, 220–240 V, 50 Hz		
Cooling capacity¹ Rated (Min. - Max.)				kW	5.0 (1.7-5.6)	5.7 (1.7-7.0)	6.7 (2.3-8.0)
Power consumption		Cooling¹	kW	1.98	2.23	2.57	
COP			W/W	2.53	2.56	2.61	
Indoor unit	Colour				————		
	Fan	Airflow rate (H/L)	Cooling	m³/min	13/9	18/13	
				cfm	459/318	636/459	
	External static pressure (High-Standard-Low)			Pa	88-49-20 ²		
	Sound level³		Cooling (H/L)	dB(A)	33/29	34/30	
	Dimensions (H×W×D)			mm	300×700×800	300×1000×800	
	Machine weight			kg	34	41	
Certified Operation range		Cooling	°CWB	14 to 25			
Outdoor unit	Colour				Ivory white		
	Compressor		Type		Hermetically sealed swing type		
			Motor output	kW	1.1	1.92	
	Refrigerant charge (R-410A)			kg	1.5 (Charged for 10 m)	2.3 (Charged for 10 m)	
	Sound level³	Cooling	dB(A)	47	49	52	
		Night quiet mode		dB(A)	————		
	Dimensions (H×W×D)			mm	735×825×300	770×900×320	
	Machine weight			kg	48	71	
Certified Operation range		Cooling	°CDB	10 to 46			
Piping connections	Liquid		mm	ø6.4			
	Gas		mm	ø12.7		ø15.9	
	Drain	Indoor unit	mm	VP25 (I.Dø25×O.Dø32)			
Outdoor unit		mm	ø18.0 (Hole)		ø26.0 (Hole)		
Max. interunit piping length				m	30		
Max. installation level difference				m	20		
Heat insulation				Both liquid and gas piping			

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Initial setting is standard.  
<sup>3</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.



SPECIFICATIONS

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

				50	60	71	100	125	140	100	125	140	
Model Name	Indoor unit			FBQ50DV1	FBQ60DV1	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	
	Outdoor unit			RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1	
Power supply	Indoor unit			1 Phase, 220~240 V, 50 Hz									
	Outdoor unit			1 Phase, 220~240 V, 50 Hz						3 Phase, 380~415 V, 50 Hz			
Cooling capacity <sup>1,2</sup> Rated (Min. - Max.)				kW	5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)
Power consumption		Cooling <sup>1</sup>	kW	1.39	1.69	2.22	2.82	3.73	4.71	2.82	3.73	4.71	
COP			W/W	3.60	3.56	3.20	3.55	3.35	2.97	3.55	3.35	2.97	
Indoor unit	Colour			—————									
	Fan	Airflow rate (H/L)	Cooling	m³/min cfm	18/15			32/23	39/28		32/23	39/28	
					635/530			1,130/812		1,377/988		1,130/812	1,377/988
	External static pressure (Middle-High)		Pa	50-200 <sup>3</sup>									
	Sound level <sup>4</sup>	Cooling (H/L)		dB(A)	37/32			38/33	40/36		38/33	40/36	
	Air filter			————— <sup>5</sup>									
	Dimensions (H×W×D)			mm	300×1,000×700			300×1,400×700					
	Machine weight			kg	36			46					
	Certified Operation range		Cooling	°CWB	14 to 25								
	Outdoor unit	Colour			Ivory white								
Compressor		Type	Hermetically sealed swing type				Hermetically sealed scroll type						
		Motor output	kW	1.12	1.35	1.76	2.03	2.4	2.9	1.8	2.4	2.9	
Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)			2.7 (Charged for 30 m)	3.15 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)			
Sound level <sup>4</sup>		Cooling	dB(A)	48			49	50		49	50		
		Night quiet mode	dB(A)	44			45		46	45		46	
Dimensions (H×W×D)			mm	595×845×300			990×940×320		1,170×900×320				
Machine weight			kg	43			78	97		92	97		
Certified Operation range		Cooling	°CDB	21 to 46									
Piping connections		Liquid (Flare)			ø9.5								
	Gas (Flare)			ø15.9									
	Drain	Indoor unit		mm	VP25 (I.Dø25×O.Dø32)								
		Outdoor unit		mm	ø26.0 (Hole)								
Max. interunit piping length				m	50 (Equivalent length 70)								
Max. installation level difference				m	30								
Heat insulation					Both liquid and gas piping								

Twin Multi

				125		140		125		140		
Model Name	Indoor unit			FBQ60DV1x2		FBQ71DV1x2		FBQ60DV1x2		FBQ71DV1x2		
	Outdoor unit			RZR125LVVM		RZR140LVVM		RZR125LUY1		RZR140LUY1		
Power supply	Indoor unit			1 Phase, 220–240 V, 50 Hz								
	Outdoor unit			1 Phase, 220–240 V, 50 Hz				3 Phase, 380–415 V, 50 Hz				
Cooling capacity <sup>1,2</sup> Rated (Min. - Max.)			kW	12.5 (5.7-14.0)		14.0 (6.2-15.4)		12.5 (5.7-14.0)		14.0 (6.2-15.4)		
Power consumption		Cooling <sup>1</sup>	kW	3.73		4.71		3.73		4.71		
COP			W/W	3.35		2.97		3.35		2.97		
Indoor unit	Colour			—————								
	Fan	Airflow rate (H/L)	Cooling	m³/min	18/15							
				cfm	635/530							
			External static pressure (Middle-High)		Pa	50-200 <sup>3</sup>						
	Sound level <sup>4</sup>		Cooling (H/L)	dB(A)	37/32							
	Air filter			————— <sup>5</sup>								
	Dimensions (H×W×D)			mm	300×1,000×700							
	Machine weight			kg	36							
	Certified Operation range		Cooling	°CWB	14 to 25							
	Outdoor unit	Colour			Ivory white							
Compressor		Type	Hermetically sealed scroll type									
		Motor output	kW	2.4		2.9		2.4		2.9		
Refrigerant charge (R-410A)		kg	3.15 (Charged for 30 m)				3.7 (Charged for 30 m)					
Sound level <sup>4</sup>		Cooling	dB(A)	50				50				
		Night quiet mode	dB(A)	45		46		45		46		
Dimensions (H×W×D)			mm	1,170×900×320								
Machine weight			kg	97								
Certified Operation range		Cooling	°CDB	21 to 46								
Piping connections		Liquid (Flare)		mm	ø9.5							
	Gas (Flare)		mm	ø15.9								
	Drain	Indoor unit	mm	VP25 (I.D ø25×O.D ø32)								
		Outdoor unit	mm	ø26.0 (Hole)								
Max. interunit piping length			m	50 (Equivalent length 70)								
Max. installation level difference			m	30								
Heat insulation				Both liquid and gas piping								

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)  
<sup>2</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.  
<sup>3</sup>Initial setting is standard.  
<sup>4</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.  
<sup>5</sup>Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency(gravity method) 50% or more.

FLOOR STANDING TYPE

					50	60	71	100	125	140	100	125	140		
Model Name	Indoor unit				FVQ50CVE	FVQ60CVE	FVQ71CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB		
	Outdoor unit				RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1		
Power supply		Outdoor unit				1 Phase, 220–240 V, 50 Hz/220–230 V, 60 Hz							3 Phase, 380–415 V, 50 Hz		
Cooling capacity <sup>1,2</sup> Rated (Min. - Max.)				kW	5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.5 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.5 (6.2-15.4)		
Power consumption		Cooling <sup>1</sup>		kW	1.27	1.84	2.58	3.28	4.39	5.40	3.28	4.39	5.40		
COP				W/W	3.94	3.26	2.75	3.05	2.85	2.50	3.05	2.85	2.50		
Indoor unit	Colour				Fresh white										
	Fan	Airflow rate (H/M/L)	Cooling	m³/min	18/16/14			28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26		
				cfm	635/565/494			988/883/777	988/918/847	1,059/988/918	988/883/777	988/918/847	1,059/988/918		
	Sound level <sup>3</sup>	Cooling (H/M/L)		dB(A)	43/41/38			50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48		
	Dimensions (H×W×D)			mm	1,850×600×270			1,850×600×350							
	Machine weight			kg	39			47							
	Certified Operation range		Cooling	°CWB	14 to 25										
Outdoor unit	Colour				Ivory white										
	Compressor		Type		Hermetically sealed swing type				Hermetically sealed scroll type						
			Motor output	kW	1.12	1.35	1.76	2.03	2.4	3.1	2.3	2.8	3.4		
	Refrigerant charge (R-410A)			kg	1.6 (Charged for 30 m)		2.7 (Charged for 30 m)	3.15 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)				
	Sound level <sup>3</sup>	Cooling	dB(A)	48		49	50		49	50					
		Night quiet mode		dB(A)	44		45	46		45	46				
	Dimensions (H×W×D)			mm	595×845×300		990×940×320	1,170×900×320							
	Machine weight			kg	43		78	97		92	97				
	Certified Operation range		Cooling	°CDB	21 to 46										
Piping connections	Liquid (Flare)		mm	ø9.5											
	Gas (Flare)		mm	ø15.9											
	Drain	Indoor unit	mm	VP20 (I.D.ø20×O.D.ø26)											
		Outdoor unit	mm	ø26.0 (Hole)											
Max. interunit piping length				m	50 (Equivalent length 70)										
Max. installation level difference				m	30										
Heat insulation					Both liquid and gas piping										

OPTIONS

Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option		Remark		Kit name				
				FCQ50LUV1	FCQ60LUV1	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1
Decoration panel				BYCP125K-W1				
Sealing material of air discharge outlet				KDBH55K160F				
Panel spacer				KDBP55H160FA				
Fresh air intake kit¹	Chamber type	Without T-joint pipe and fan	KDDP55B160					
		With T-joint pipe, without fan	KDDP55B160K					
	Direct installation type		KDDP55X160					
Chamber connection kit²				KKSJ55KA160				
Insulation kit for high humidity				KDTP55K80		KDTP55K160		
High-efficiency filter (including chamber)		(Colorimetric method 65%)		KAFFP556B80		KAFFP556B160		
		(Colorimetric method 90%)		KAFFP557B80		KAFFP557B160		
Replacement high-efficiency filter		(Colorimetric method 65%)		KAFFP552B80		KAFFP552B160		
		(Colorimetric method 90%)		KAFFP553B80		KAFFP553B160		
Filter chamber				KDDFP55B160				
Replacement long-life filter				KAFFP551K160				
Ultra long-life filter				KAFFP55B160				
Replacement ultra long-life filter				KAFFP55H160H				
Branch duct chamber				KDJP55B80		KDJP55B160		
Remote controller		Wireless type	Cooling only	BRC7F633F				
		Wired type³		BRC1C61				
Navigation Remote Controller		Wired type³		BRC1E62				
Central remote controller⁴				DCS302CA61				
Unified ON/OFF controller⁴				DCS301BA61				
Schedule timer⁴				DST301BA61				
Intelligent Touch Controller⁴				DCS601C51				
Adaptor for wiring⁵				KRP1C63				
Wiring adaptor for electrical appendices⁵				KRP4AA53				
Installation box for adaptor PCB				KRP1H98				
Remote sensor (for indoor temperature)				KRCS01-4B				

Note: ¹Refer to page 10 for the details.  
²Required for installing high-efficiency filter or ultra long-life filter.  
³Wiring for wired remote controller to be procured locally.  
⁴The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
⁵Installation box for adaptor PCB (KRP1H98) is necessary.

Round flow type: List of optional parts required to achieve different flow patterns

For each flow pattern – all round, 4-way, 3-way, 2-way, branch duct connection – the compatibility of each independently installed option (shown in the column on the left) to accessory options (listed across the top of each table) is shown in the cells where the relevant row and column intersect. A circle (○) indicates compatibility, and a cross (×) indicates incompatibility. Any options not shown below are not suitable for independent or accessory installation.

All round flow 4-way flow

Optional accessory parts		Panel spacer¹	Wireless remote controller	Fresh air intake kit (Chamber type)¹,²	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter²	Ultra-long-life filter²
Independently installable optional parts								
Panel/grille related	Panel spacer¹		○	○	○	×	○	○
Operation control related	Wireless remote controller	○		○	○	○	○	○
Auxillary function related	Fresh air intake kit (Chamber type)¹,²	○	○		×	×	○	○
	Fresh air intake kit (direct mount)	○	○	×		○	○	○
	High-humidity operation kit	×	○	×	○		×	×
Filter related	High-efficiency filter²	○	○	○	○	×		×
	Ultra-long-life filter²	○	○	○	○	×	×	

3-way flow 2-way flow

Optional accessory parts		Panel spacer¹	Wireless remote controller	Fresh air intake kit (Chamber type)¹,²	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter²	Ultra-long-life filter²
Independently installable optional parts								
Panel/grille related	Panel spacer¹		○³	○³	○³	×	×	○³
Operation control related	Wireless remote controller	○³		○	○	○	×	○
Auxillary function related	Fresh air intake kit (Chamber type)¹,²	○³	○		×	×	×	○
	Fresh air intake kit (direct mount)	○³	○	×		○	×	○
	High-humidity operation kit	×	○	×	○		×	×
Filter related	Ultra-long-life filter²	○³	○	○	○	×	×	

Branch duct connection

Optional accessory parts		Panel spacer¹	Wireless remote controller	Fresh air intake kit (Chamber type)¹,²	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter²	Ultra-long-life filter²
Independently installable optional parts								
Branch duct¹ (Chamber type) (Round duct type)	1-way branch / unit 3-way flow	○	○	○	○⁴	×	×	○
	2-way branch / unit 2-way flow	×	○	○	○⁴	×	×	○
	1-way branch / unit 2-way flow	×	○	○	○⁴	×	×	○

¹In some cases, depending on how the unit is embedded in the ceiling, use of branch ducts and fresh air intake kits may not be possible. Before starting installation work make sure to check whether or not joint installation is possible. In particular, ensure that the lower fixing position caused by the addition of panel spacers is acceptable.  
²Use a chamber connection kit if two different types of optional chamber are used together. In this case, the fresh air intake kit must be installed in the upper position.  
³It is not possible to use panel spacers in a 2-way flow installation.  
⁴It is not possible to install a branch duct on the same side to which a fresh air intake kit (direct mount) is installed.

Indoor unit

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

Name of option		Remark		Kit name	
				FFQ25BV1B	FFQ35BV1B
Decoration panel		BYFQ60B8W1/BYFQ60B3W1			
Remote controller	Wireless type	Cooling only	BRC7E531W		
	Wired type <sup>1</sup>		BRC1C61		
Navigation Remote Controller		Wired type <sup>1</sup>		BRC1E62	
Adaptor for wiring <sup>2</sup>				KRP1BA57	
Wiring adaptor for electrical appendices <sup>2</sup>				KRP4AA53	
Remote sensor (for indoor temperature)				KRCS01-1B	
Installation box for adaptor PCB				KRP1BA101	
Central remote controller <sup>3</sup>				DCS302CA61	
Unified ON/OFF controller <sup>3</sup>				DCS301BA61	
Schedule timer <sup>3</sup>				DST301BA61	
Intelligent Touch Controller <sup>3</sup>				DCS601C51	
Interface adaptor for SkyAir series				DTA112BA51	
Replacement long-life filter				KAFQ441BA60	
Fresh air intake kit	Direct installation type				KDDQ44XA60
Sealing material of air discharge outlet				KDBH44BA60	
Panel spacer				KDBQ44BA60A	

Note: ¹Wiring for wired remote controller to be procured locally.  
²Installation box for adaptor PCB (KRP1BA101) is necessary.  
³This optional accessory requires DTA112BA51.

CEILING SUSPENDED TYPE

Name of option		Remark		Kit name						
				FHQ35BVV1B	FHQ50BVV1G	FHQ60BVV1G	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ140CAVEB
Replacement long-life filter		Resin net		KAF501DA56	KAF501DA80		KAF501DA112	KAF501DA160	KAFP501A160	
Fresh air intake kit				————					KDDQ50A140	
Drain pump kit				KDU50N60VE	KDU50N125VE				KDU50P140VE	
L-type piping kit (for upward direction)				KHFP5MA35	KHFP5MA160				KHFP5N160	
Remote controller		Wireless type	Cooling only	BRC7EA66					BRC7GA56	
		Wired type <sup>1</sup>		BRC1C61						
Navigation Remote Controller		Wired type <sup>1</sup>		BRC1E62						
Central remote controller				DCS302CA61 <sup>2</sup>					DCS302CA61 <sup>3</sup>	
Unified ON/OFF controller				DCS301BA61 <sup>2</sup>					DCS301BA61 <sup>3</sup>	
Schedule timer				DST301BA61 <sup>2</sup>					DST301BA61 <sup>3</sup>	
Intelligent Touch Controller				DCS601C51 <sup>2</sup>					DCS601C51 <sup>3</sup>	
Adaptor for wiring				KRP1BA54						
Wiring adaptor for electrical appendices <sup>4</sup>				KRP4AA52						
Interface adaptor for SkyAir series				DTA112BA51					————	
Installation box for adaptor PCB				KRP1CA93					KRP1D93A	
Remote sensor (for indoor temperature)				————	KRCS01-1B				KRCS01-4B	
Electrical box with earth terminal (3 blocks)				————	KJB311AA					
Electrical box with earth terminal (2 blocks)				————	KJB212AA					

Note: ¹Wiring for wired remote controller to be procured locally.  
²This optional accessory requires DTA112BA51.  
³FHQ140CA is equipped standardly with the interface adaptor for SkyAir series. DTA112BA51 is unnecessary.  
⁴Installation box for adaptor PCB is necessary.

WALL MOUNTED TYPE

Name of option		Remark		Kit name	
				FAQ71CVEA	FAQ100CVEA
Drain-up kit			K-KDU572EVE		
Remote controller	Wireless type	Cooling only		BRC7EB519	
	Wired type <sup>1</sup>			BRC1C61	
Navigation Remote Controller	Wired type <sup>1</sup>			BRC1E62	
Remote sensor (for Indoor temperature)				KRCS01-4B	
Central remote controller <sup>2</sup>				DCS302CA61	
Unified ON/OFF controller <sup>2</sup>				DCS301BA61	
Schedule timer <sup>2</sup>				DST301BA61	
Intelligent Touch Controller <sup>2</sup>				DCS601C51	
Wiring adaptor for electrical appendices <sup>3</sup>				KRP4AA51	
Installation box for adaptor PCB				KRP4AA93	
Electrical box with earth terminal (3 blocks)				KJB311AA	
Electrical box with earth terminal (2 blocks)				KJB212AA	
Noise filter ( For electromagnetic interface use only)				KEK26-1A	

Note: ¹Wiring for wired remote controller to be procured locally.  
²The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
³Installation box for adaptor PCB (KRP4AA93) is necessary.



OPTIONS

Indoor unit

CEILING MOUNTED BUILT-IN TYPE

Name of option	Remark		Kit name		
			FBQ50BV1A	FBQ60BV1A	FBQ71BV1A
Service panel			KTB25KA56W	KTB25KA80W	
Air discharge adaptor			KDAJ25K56A	KDAJ25K71A	
Remote controller	Wireless type	Heat pump	BRC4C62		
	Wired type <sup>1</sup>		BRC1C61		
Navigation Remote Controller	Wired type <sup>1</sup>		BRC1E62		
Adaptor for wiring (interlock for fresh air intake fan)			KRP1BA54		
Wiring adaptor for electrical appendices			KRP4AA51		
Interface adaptor for SkyAir series			DTA112BA51		
Central remote controller <sup>2</sup>			DCS302CA61		
Unified ON/OFF controller <sup>2</sup>			DCS301BA61		
Schedule timer <sup>2</sup>			DST301BA61		
Intelligent Touch Controller <sup>2</sup>			DCS601C51		

Note: <sup>1</sup>Wiring for wired remote controller to be procured locally.  
<sup>2</sup>This optional accessory requires DTA112BA51.

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

Name of option	Remark	Kit name					
		FBQ50DV1	FBQ60DV1	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1
High-efficiency filter <sup>1</sup>	65%	KAF372AA80					
	90%	KAF373AA80					
Filter chamber		KDDF37AA80					
Replacement long life filter		KAF371AA80					
Replacement long life filter chamber kit		KAF375AA80					
Service panel		KTB25KA80W					
		KTBJ25K80F					
		KTBJ25K80T					
Air discharge adaptor		KDAJ25K71A					
		KDAJ25K140A					
Remote controller	Wireless type	BRC4C64					
	Wired type <sup>2</sup>	BRC1C61					
Navigation Remote Controller	Wired type <sup>2</sup>	BRC1E62					
Adaptor for wiring (interlock for fresh air intake fan)		KRP1C64 *					
Wiring adaptor for electrical appendices		KRP4AA51 *					
Remote sensor		KRCS01-4B					
Mounting plate for adaptor PCB. <sup>4</sup>		KRP4A96 <sup>5,6</sup>					
Central remote controller <sup>3</sup>		DCS302CA61					
Unified ON/OFF controller <sup>3</sup>		DCS301BA61					
Schedule timer <sup>3</sup>		DST301BA61					
Intelligent Touch Controller <sup>3</sup>		DCS601C51					

Note: <sup>1</sup>If installing a high efficiency filter on the unit, an assembly chamber for either bottom or rear suction is required.  
<sup>2</sup>Wiring for wired remote controller to be procured locally.  
<sup>3</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
<sup>4</sup>Mounting plate for adaptor PCB is necessary for each adaptor marked ★.  
<sup>5</sup>Up to 2 adaptors can be fixed for each mounting plate.  
<sup>6</sup>Only one mounting plate can be installed for each indoor unit.

FLOOR STANDING TYPE

Name of option	Remark	Kit name						
		FVQ50CVE	FVQ60CVE	FVQ71CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB	
Replacement long-life filter		KAFJ95L160						
Remote controller	Wired type <sup>1</sup>	BRC1C61						
Navigation Remote Controller	Wired type <sup>1</sup>	BRC1E62						
Central remote controller <sup>2</sup>		DCS302CA61						
Unified ON/OFF controller <sup>2</sup>		DCS301BA61						
Schedule timer <sup>2</sup>		DST301BA61						
Intelligent Touch Controller <sup>2</sup>		DCS601C51						
Adaptor for wirings <sup>3</sup>		KRP1BA57						
Wiring adaptor for electrical appendices		KRP4AA52						
Installation box for adaptor PCB		KRP4AA95						

Note: <sup>1</sup>Wiring for wired remote controller to be procured locally.  
<sup>2</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
<sup>3</sup>Installation box for adaptor PCB (KRP4AA95) is necessary.

Outdoor unit

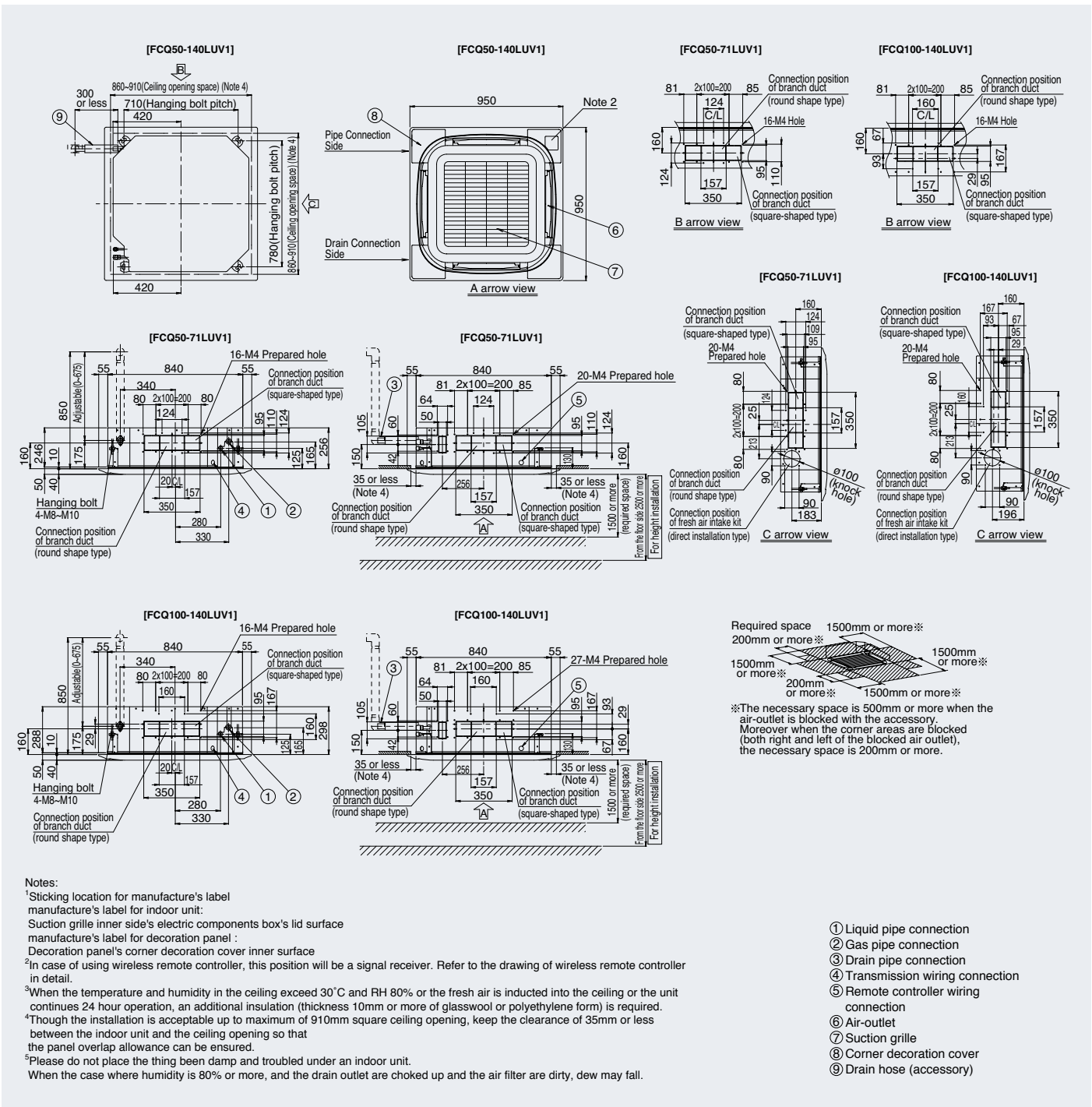
Name of option		Kit name								
		RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1
Central drain plug		KKP014A4		KKPJ5G280		KKPJ5F180				
Wire fixture for preventing overturning		_____		_____		K-KYZP15C				
Fixture for preventing overturning		_____		KKTP5B112		KPT-60B160				
Demand adaptor		_____		_____		KRP58M51				
Refrigerant branch piping kit	For twin multi	_____		_____		KHRP58P216T		_____	KHRP58P216T	

Name of option	Remark	Kit name	
		RKS25AVMG	RKS35AVMG
Air direction adjustment grille		KPW937A4	
Drain plug	One set includes 5 pieces for 5 units	KKP937A4	

Name of option	Remark	Kit name		
		RXS50FAVMA	RXS60FVMA	RXS71FVMA
Air direction adjustment grille		KPW945A4		
Drain plug	One set includes 5 pieces for 5 units	KKP937A4		KKP945A4

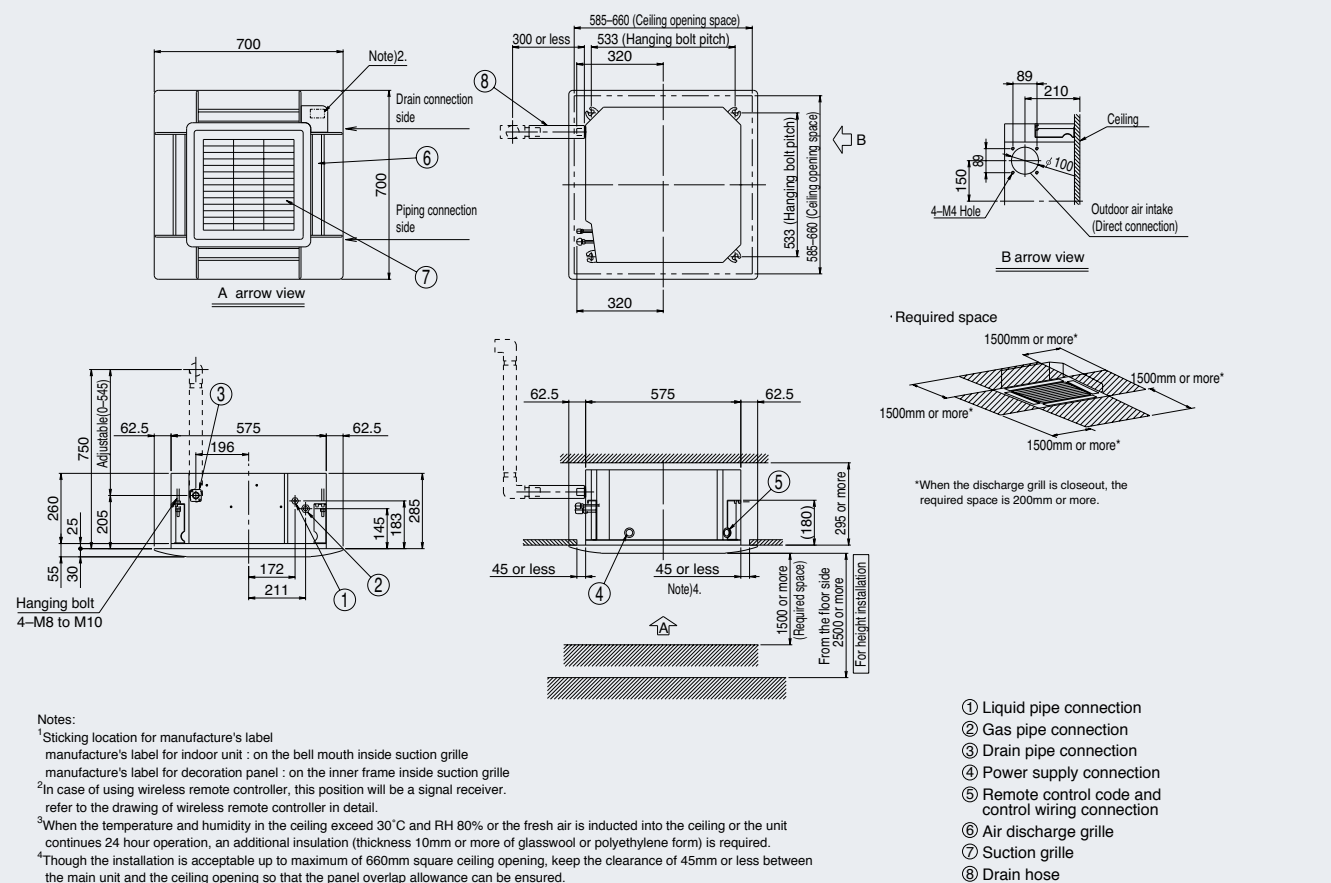
DIMENSIONS (Unit: mm)

CEILING MOUNTED CASSETTE TYPE



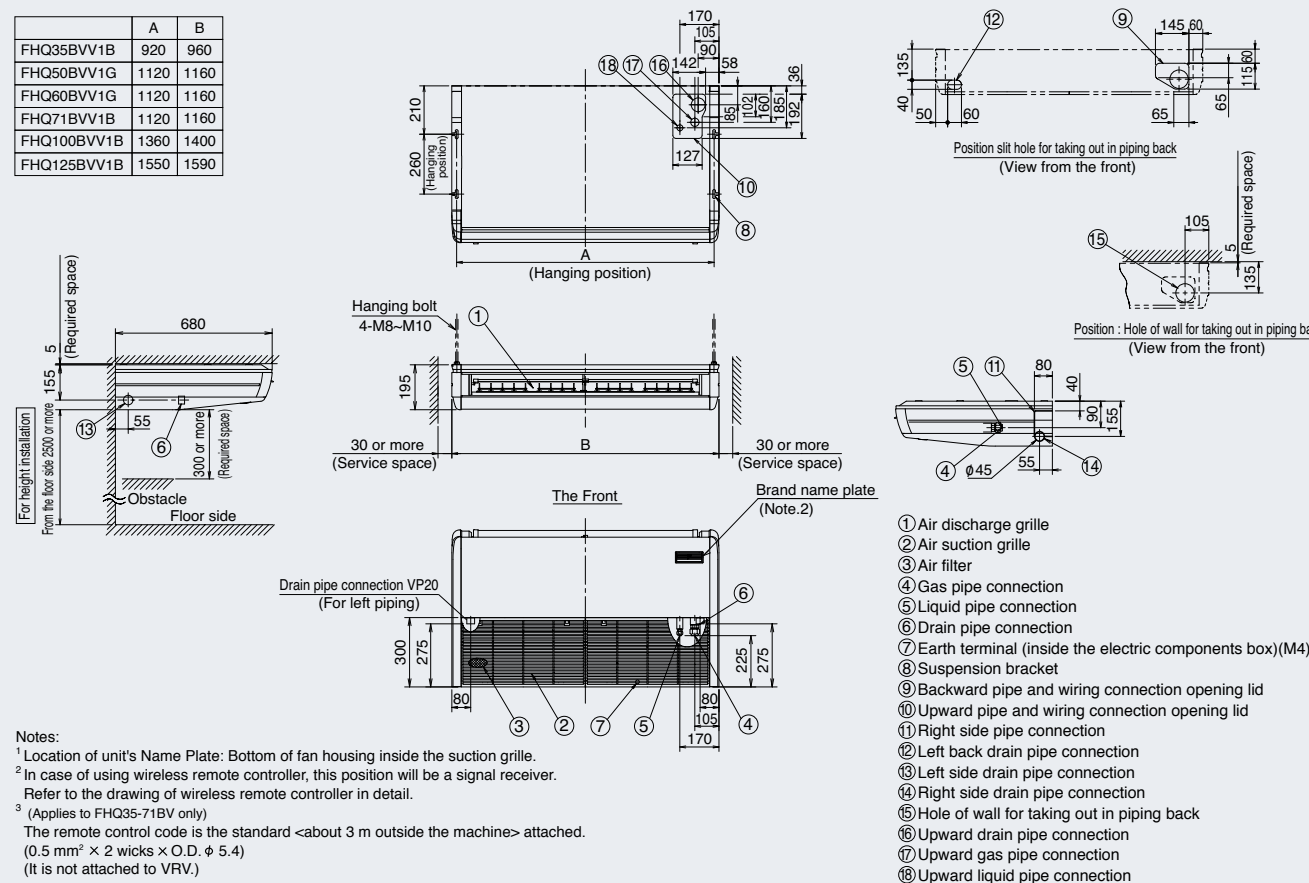
## DIMENSIONS (Unit: mm)

## COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE



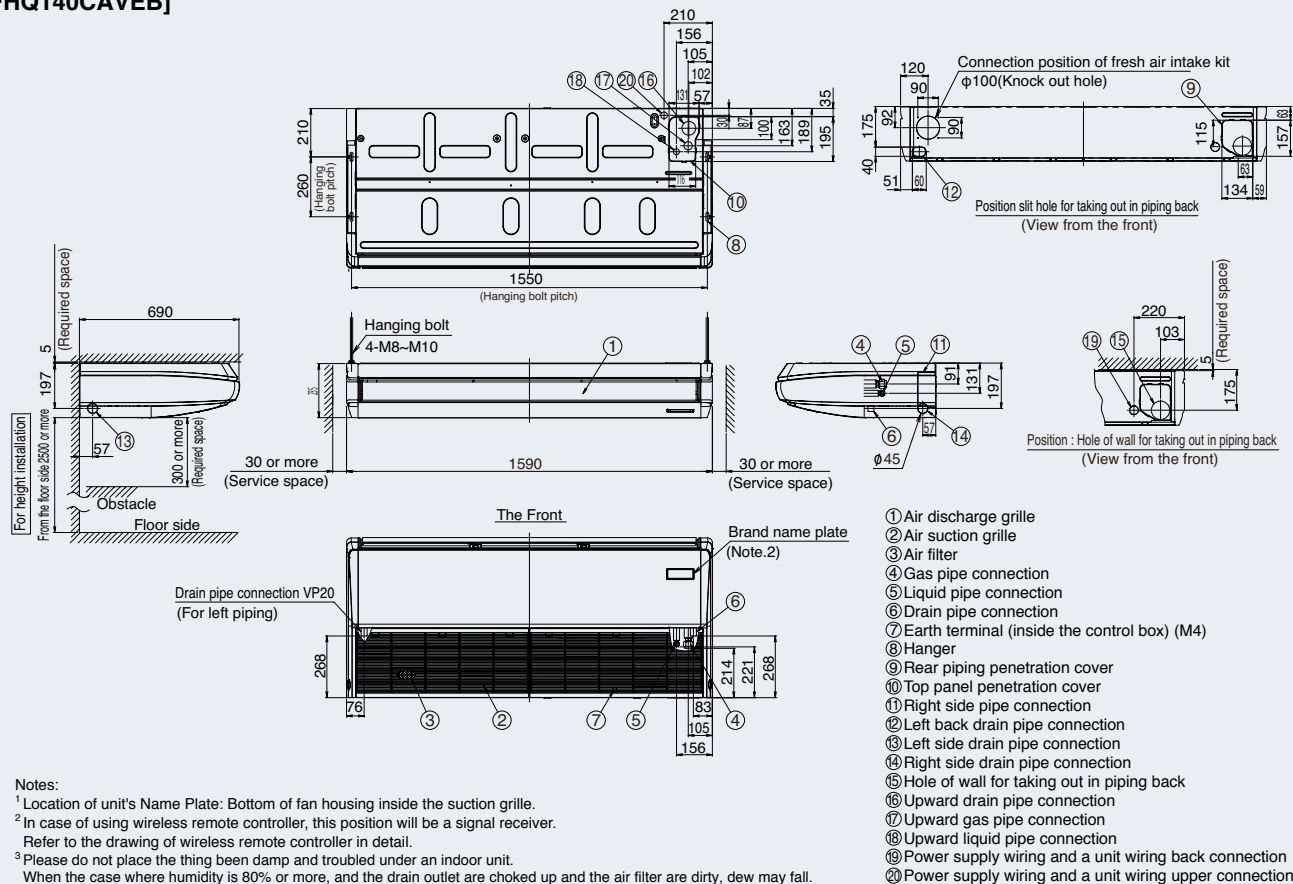
## CEILING SUSPENDED TYPE

	A	B
FHQ35BVV1B	920	960
FHQ50BVV1G	1120	1160
FHQ60BVV1G	1120	1160
FHQ71BVV1B	1120	1160
FHQ100BVV1B	1360	1400
FHQ125BVV1B	1550	1590



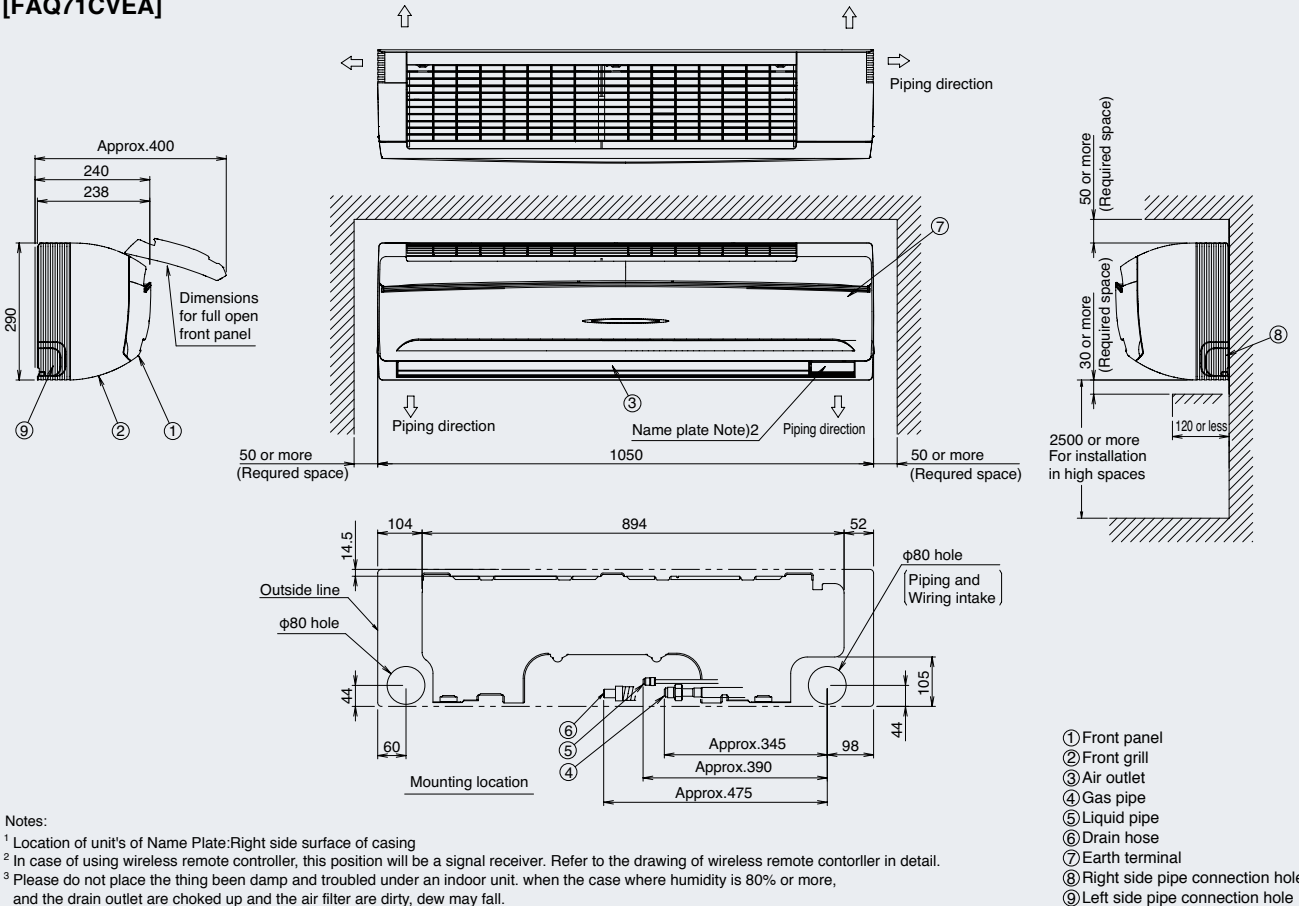
## CEILING SUSPENDED TYPE

[FHQ140CAVEB]



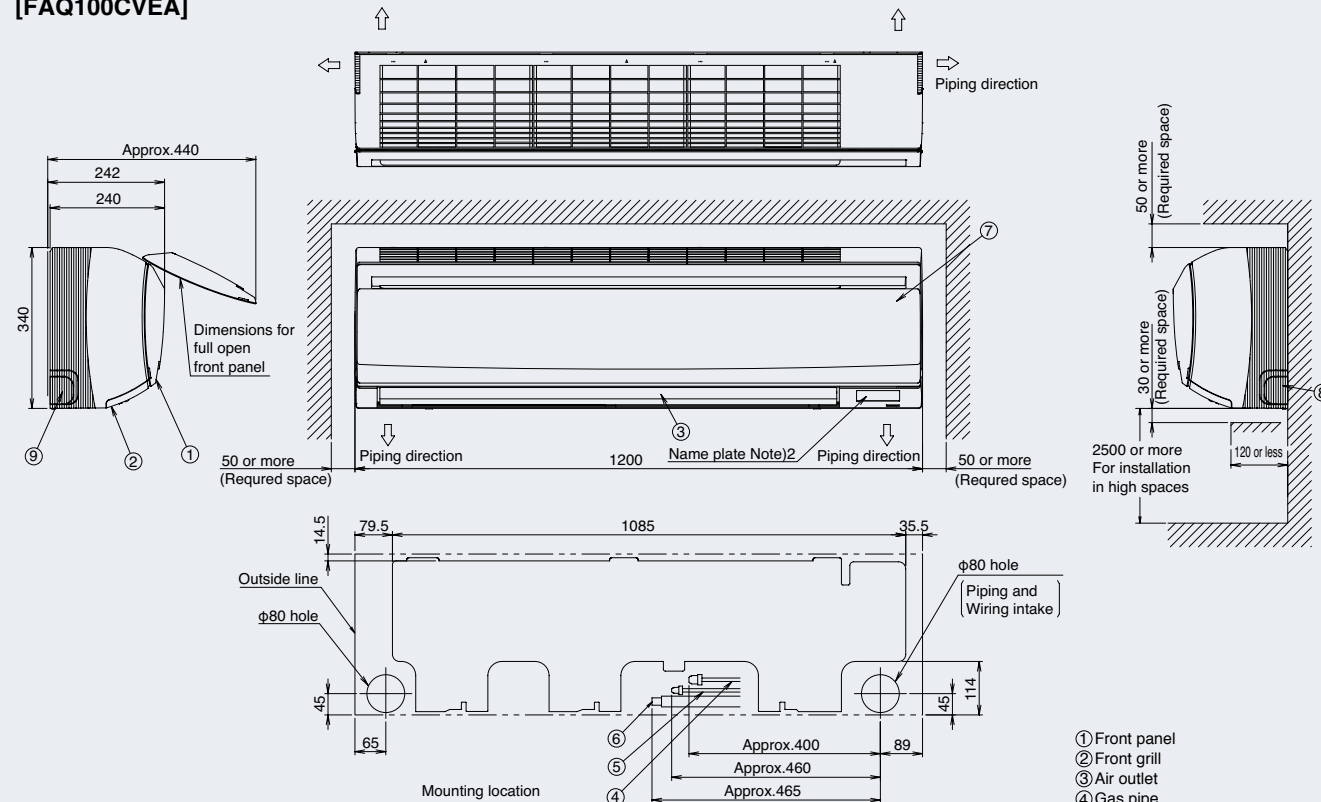
## WALL MOUNTED TYPE

**[FAQ71CVEA]**





## WALL MOUNTED TYPE



Notes:

<sup>1</sup> Location of unit's of Name Plate:Right side surface of casing

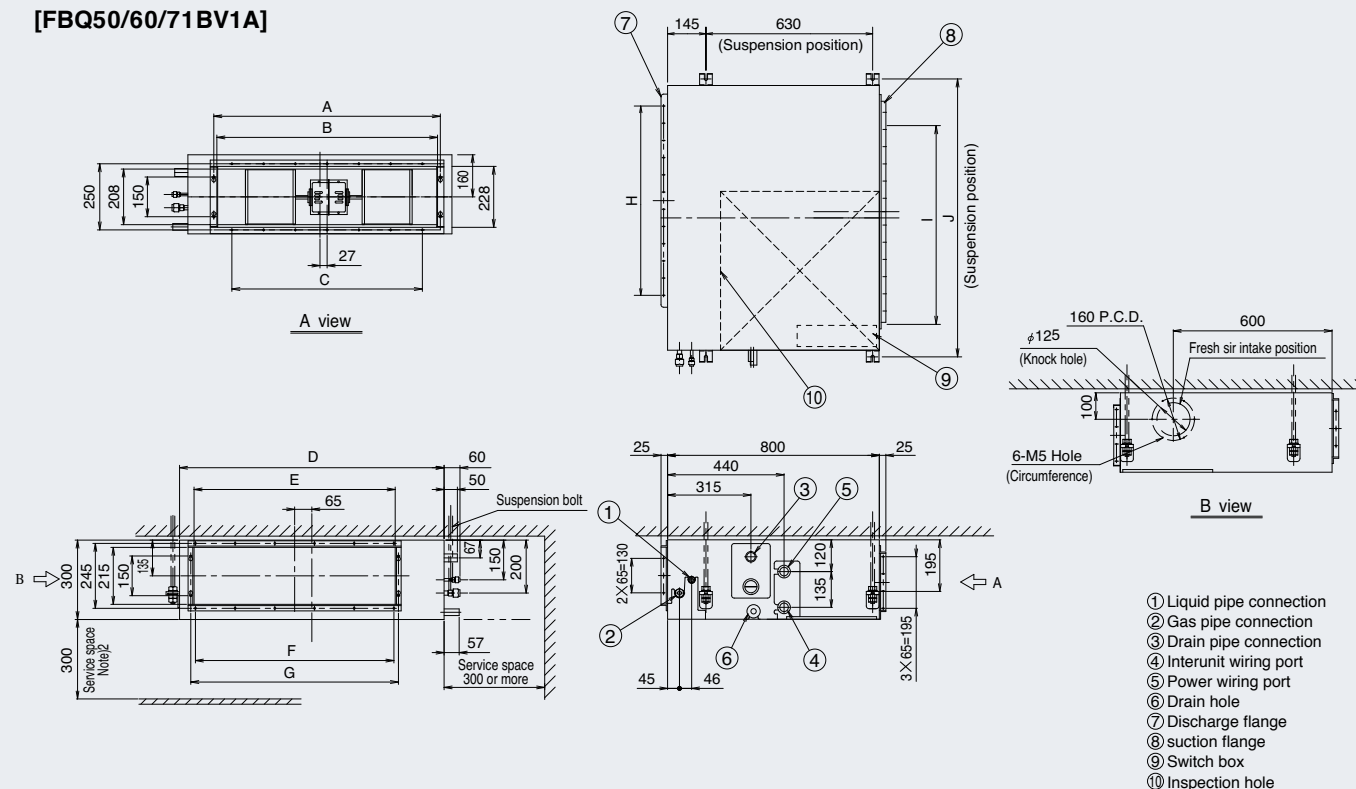
<sup>2</sup> In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

<sup>3</sup> Please do not place the thing been damp and troubled under an indoor unit. when the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

- ① Front panel
- ② Front grill
- ③ Air outlet
- ④ Gas pipe
- ⑤ Liquid pipe
- ⑥ Drain hose
- ⑦ Earth terminal
- ⑧ Right side pipe connection hole
- ⑨ Left side pipe connection hole

## CEILING MOUNTED BUILT-IN TYPE

[FBQ50/60/71BV1A]



Notes:

<sup>1</sup>Location of unit's Name Plate: Fan hosing surface.

<sup>2</sup>If the ceiling is not removable, a 300 mm service space must be kept between the unit and the ceiling.

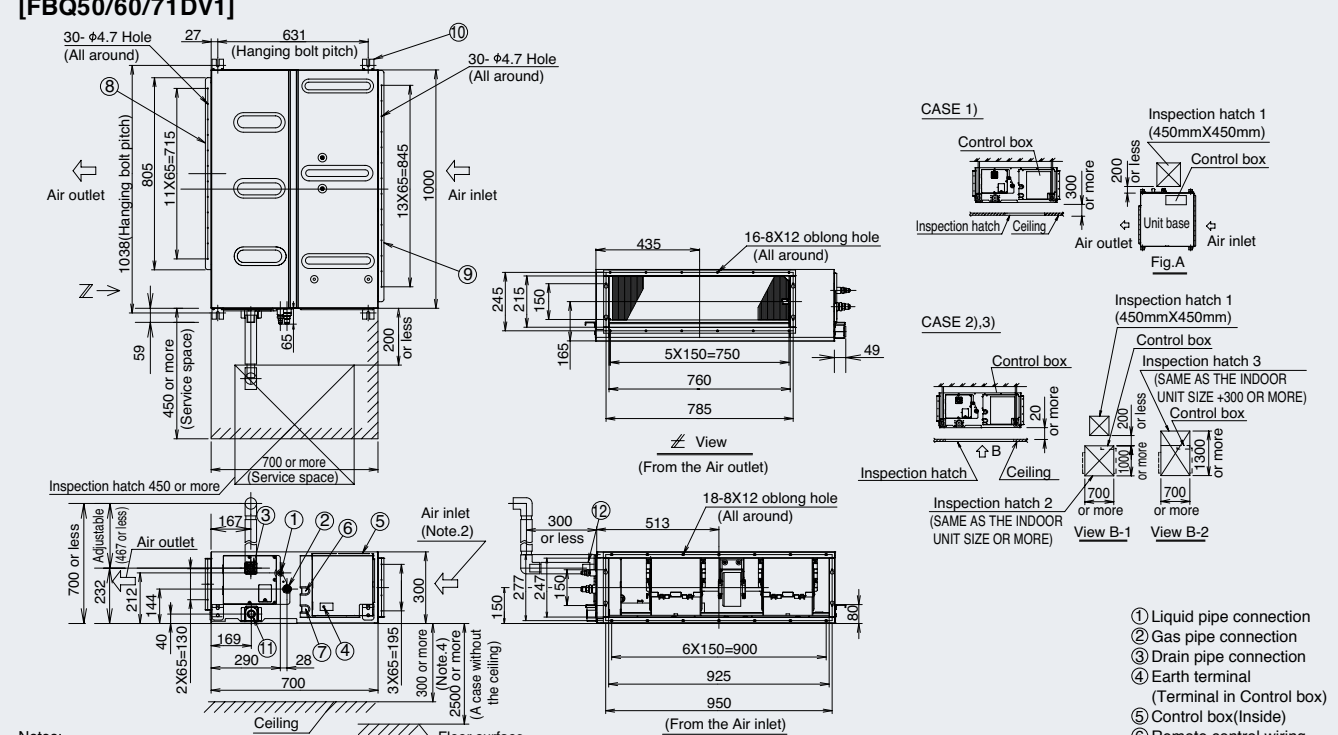
<sup>3</sup>Mount the air filter at the suction side.

(Select its colorimethod (Gravity method) 50 % or more)

	A	B	C	D	E	F	G	H	I	J
FBQ50BV1A	556	533	4X120=480	700	460	3X150=450	485	6X65=390	7X65=455	750
FBQ60BV1A/71BV1A	856	833	6X120=720	1000	760	5X150=750	785	11X65=715	12X65=780	1050

### DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ50/60/71 DV1]



Notes:

<sup>1</sup>Location of MANUFACTURE'S LABEL: Contro box surface

<sup>2</sup>Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more.)

<sup>3</sup>Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.

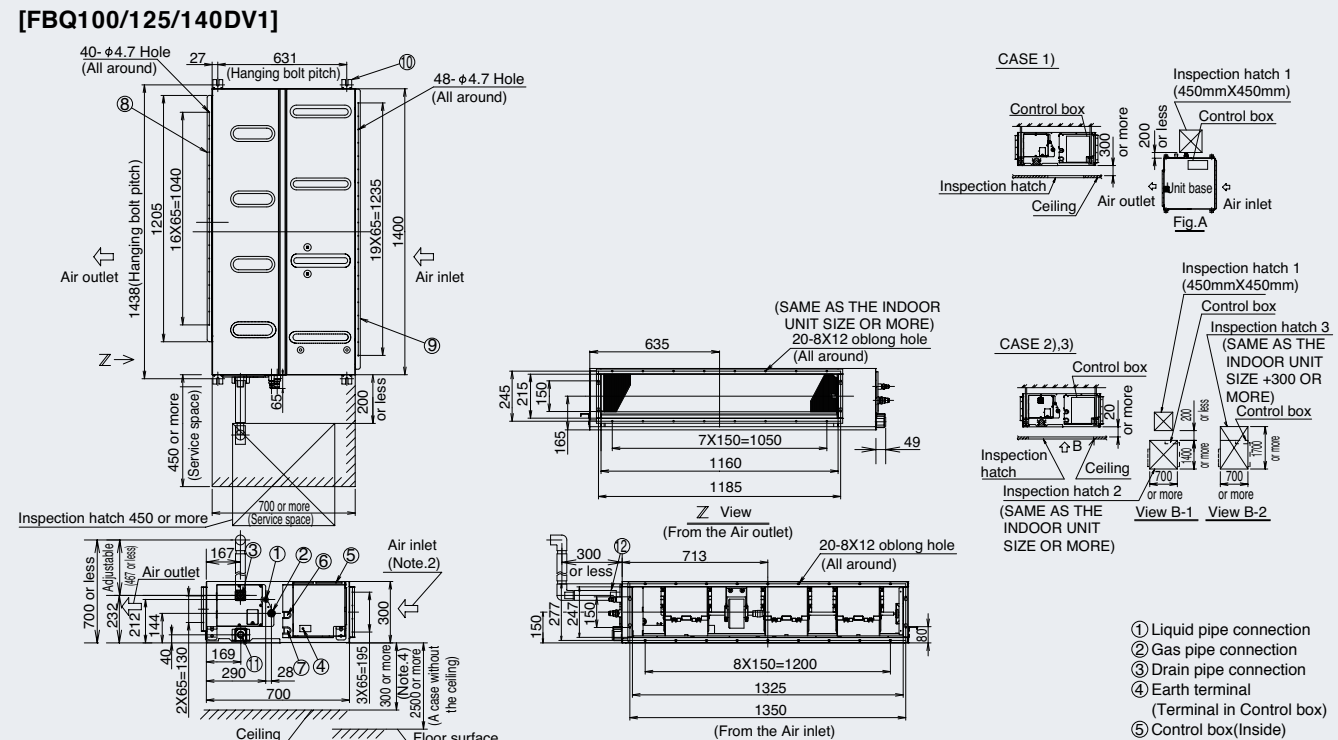
<sup>4</sup>Space for Service Works

According to any one of below 1)~3),secure a space for service works,such as,checking and maintenance of control box,etc.

- ① Liquid pipe connection
- ② Gas pipe connection
- ③ Drain pipe connection
- ④ Earth terminal  
(Terminal in Control box)
- ⑤ Control box(Inside)
- ⑥ Remote control wiring connection
- ⑦ Power supply wiring and a transmission wiring
- ⑧ Air discharge flange
- ⑨ Air suction flange
- ⑩ Hanger
- ⑪ Socket (for maintenance)
- ⑫ Drain hose(Accessory)

### DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ100/125/140DV1]



Notes:

<sup>1</sup>Location of MANUFACTURE'S LABEL: Control box surface

<sup>2</sup>Mount the air filter at the suction side.(Select its colorimethod (gravity method) 50% or more.

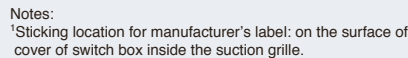
<sup>3</sup>Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.

<sup>4</sup>Space for Service Works

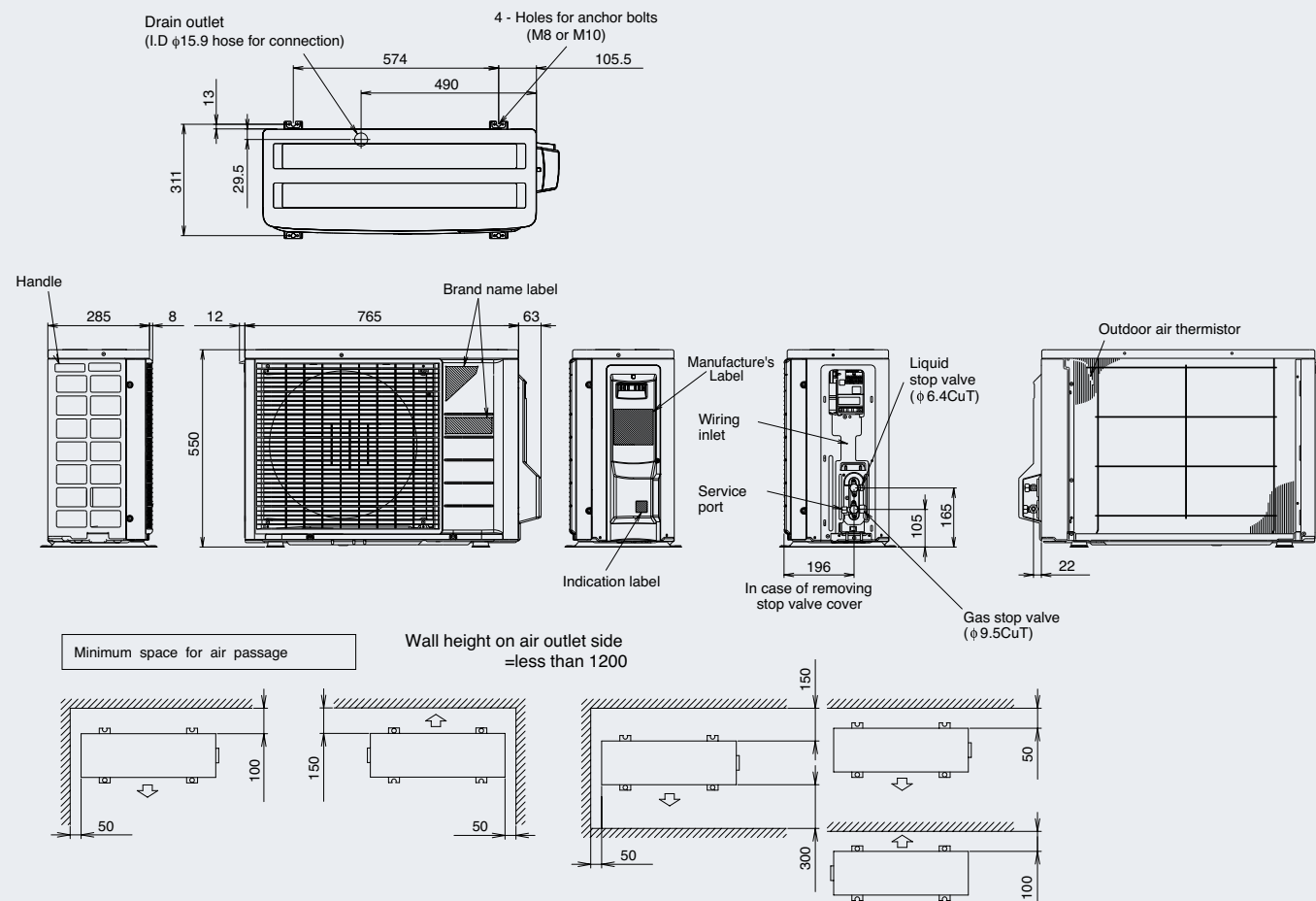
According to any one of below 1)~3),secure a space for service works,such as,checking and maintenance of control box,etc.

- ① Liquid pipe connection
- ② Gas pipe connection
- ③ Drain pipe connection
- ④ Earth terminal  
(Terminal in Control box)
- ⑤ Control box(Inside)
- ⑥ Remote control wiring connection
- ⑦ Power supply wiring and a transmission wiring
- ⑧ Air discharge flange
- ⑨ Air suction flange
- ⑩ Hanger
- ⑪ Socket (for maintenance)
- ⑫ Drain hose(Accessory)

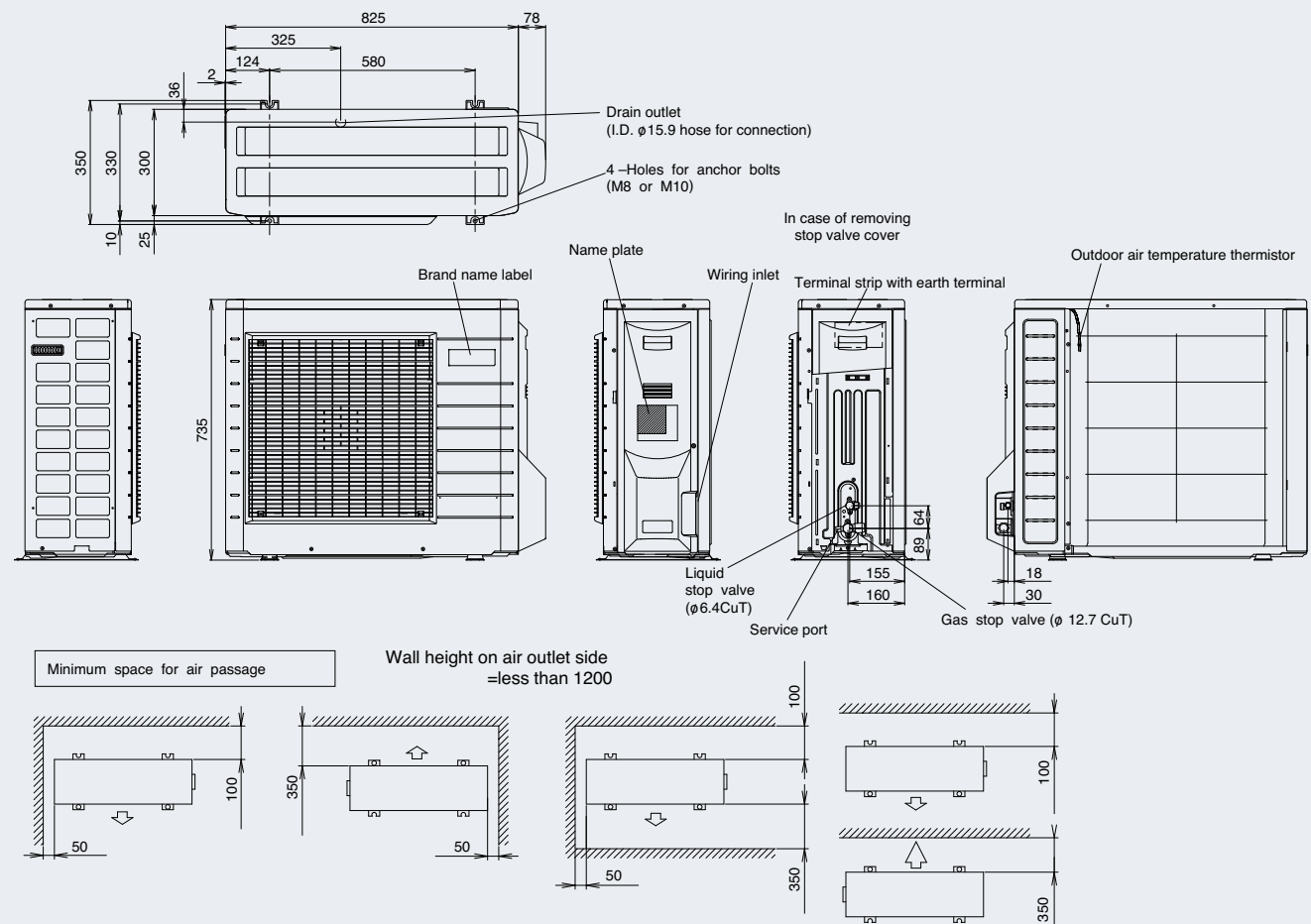
## FLOOR STANDING TYPE



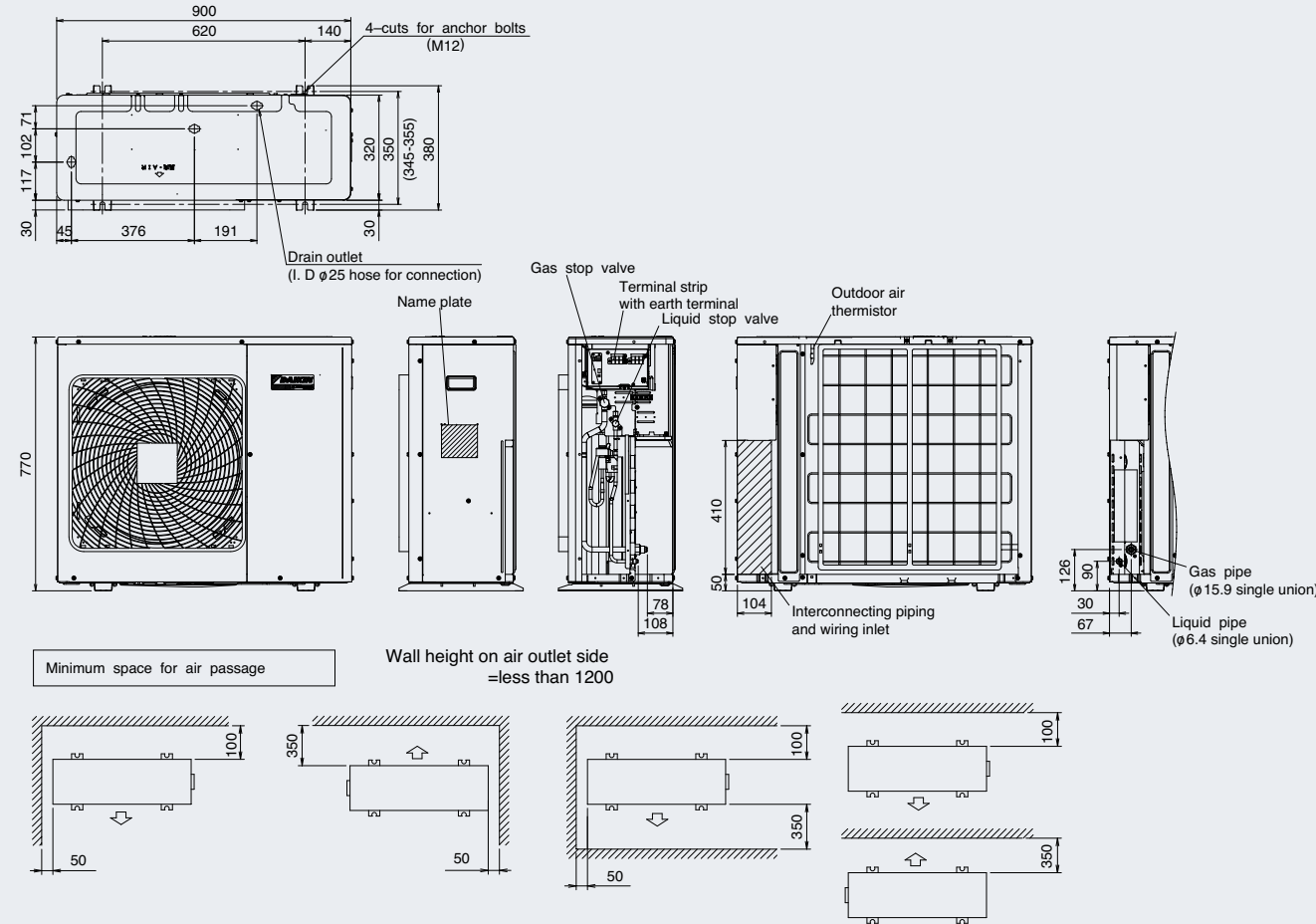
	A	B	C	D	E	F	G	H	J	K	L	M	N	P
FVQ50/60CVE, 71CVEB	50	110	186	270	45	50	50	110	180	186	242	57	144	149
FVQ100/125/140CVEB	130	190	266	350	44	49	130	190	260	266	322	79	202	229

**OUTDOOR UNIT // RKS25/35AVMG**

## OUTDOOR UNIT // RXS50FAVMA, RXS60FVMA



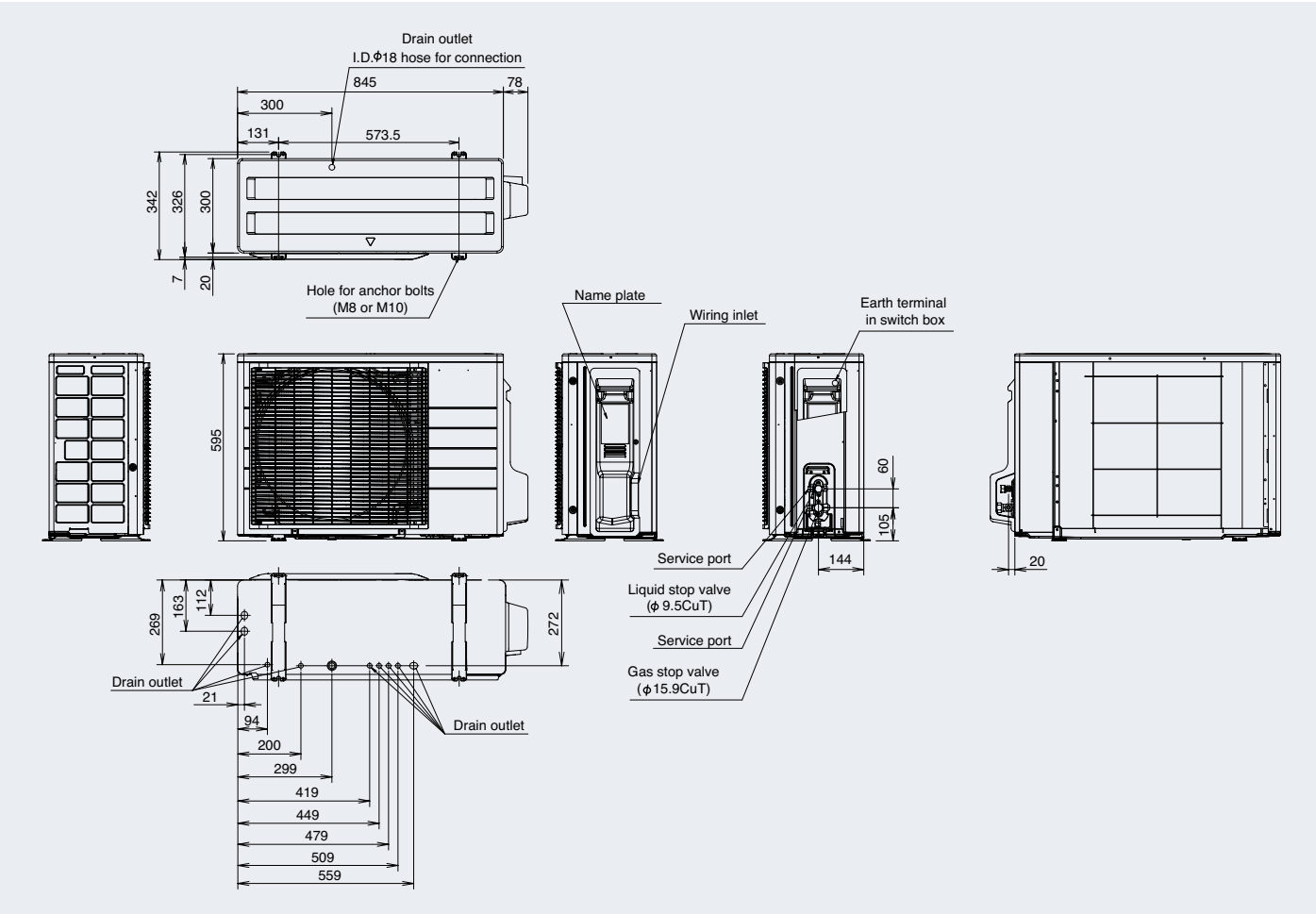
## OUTDOOR UNIT // RXS71FVMA



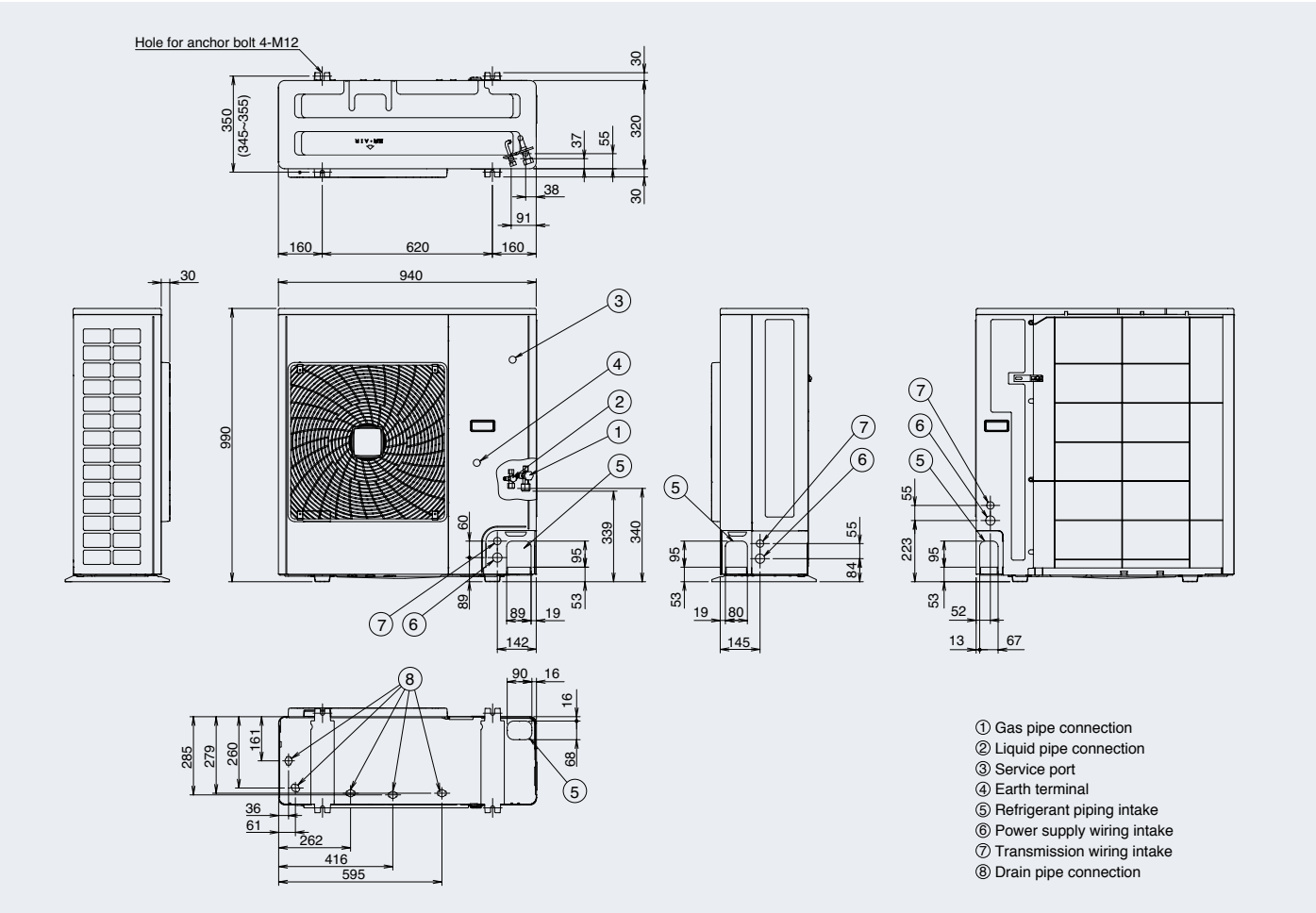


## DIMENSIONS (Unit: mm)

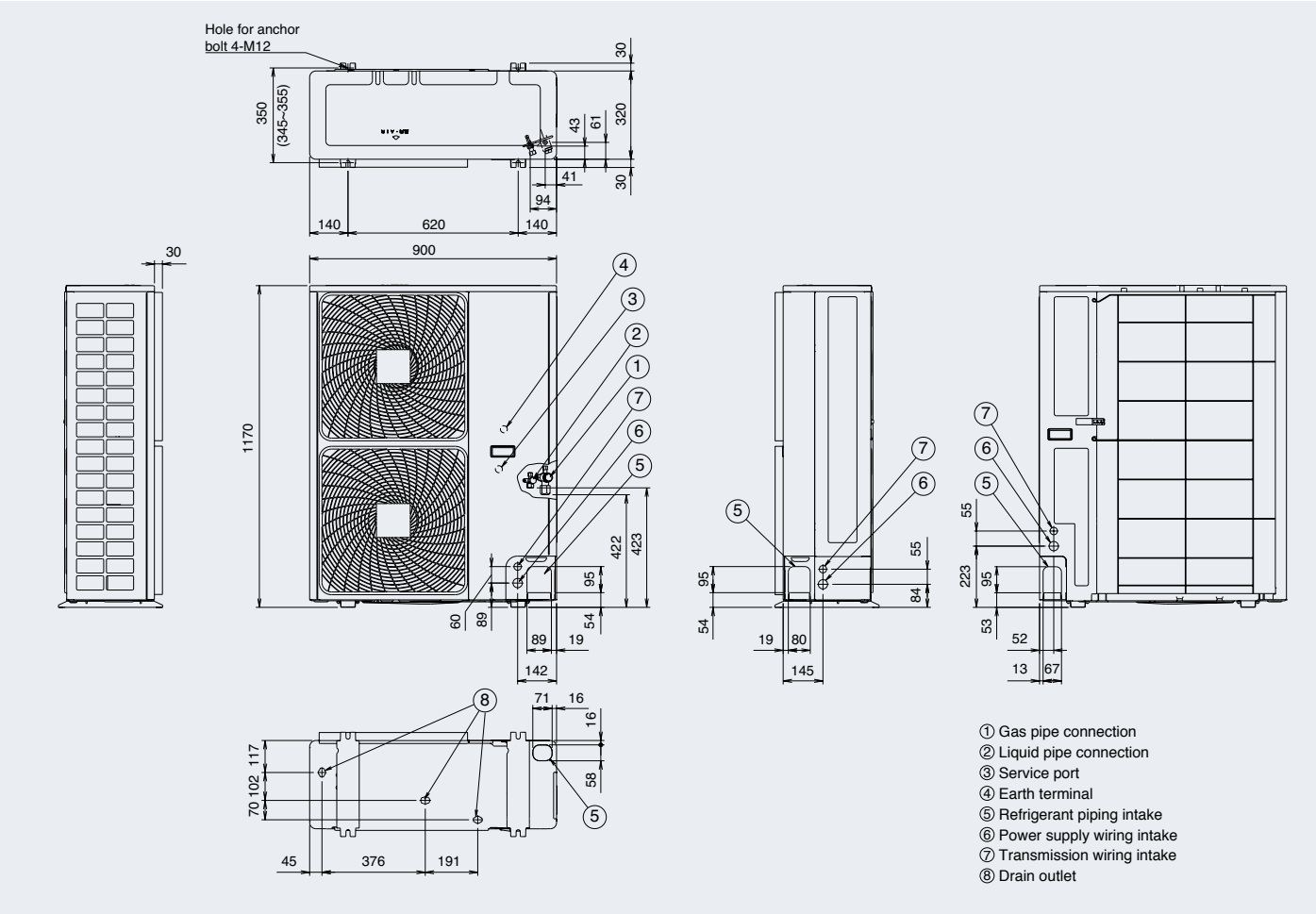
## OUTDOOR UNIT // RZR50/60/71LVVM



## OUTDOOR UNIT // RZR100LVVM



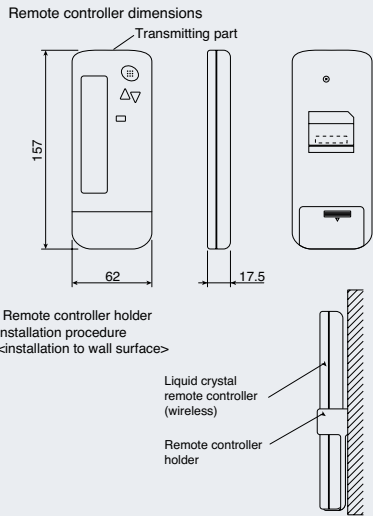
## OUTDOOR UNIT // RZR125/140LVVM, RZR100/125/140LUI1



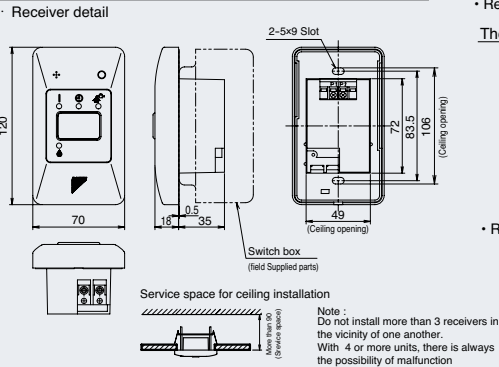
DIMENSIONS (Unit: mm)

REMOTE CONTROLLER

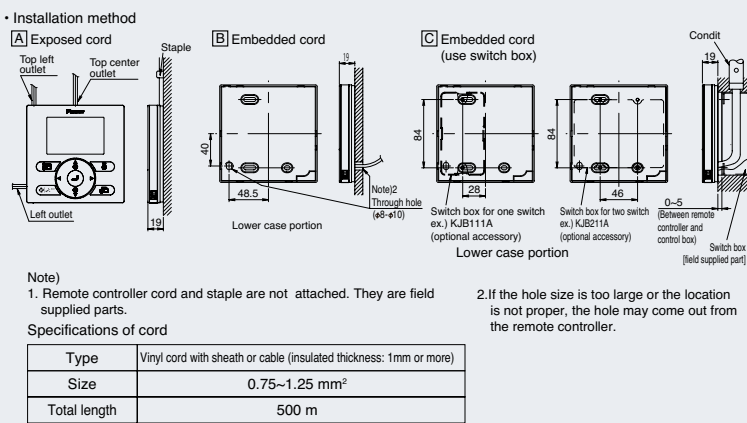
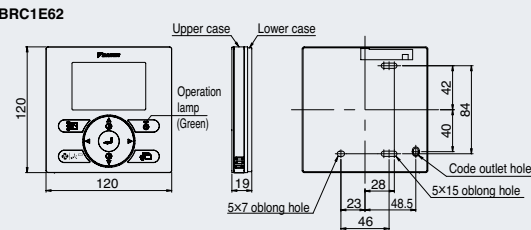
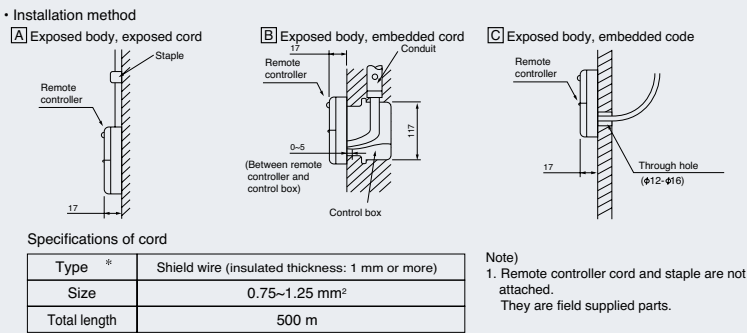
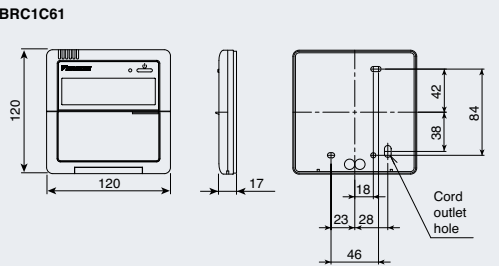
《Wireless type》



CEILING MOUNTED BUILT-IN TYPE  
DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE



《Wired type》 Remote controller dimensions



Installation service space for outdoor unit

For RZR50-140LVVM, RZR100-140LUIY1

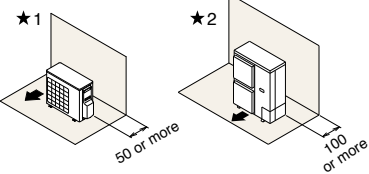
★1.RZR50/60/71LVVM ★2.RZR100-140LVVM, RZR100-140LUIY1

1 When there is an obstruction on the inlet side

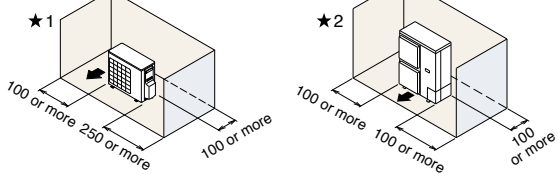
1) When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

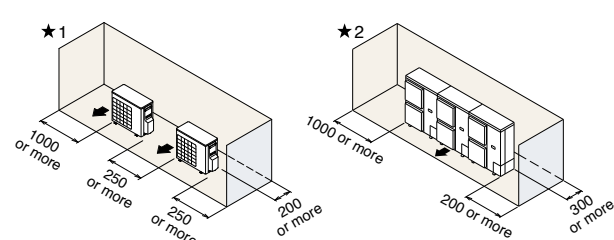


When there are obstructions on both sides



2. For series installation (more than two units)

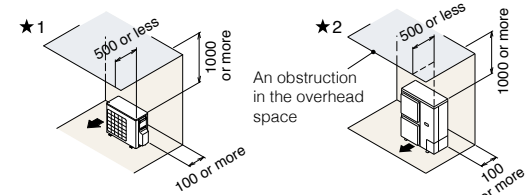
When there are obstructions on both sides



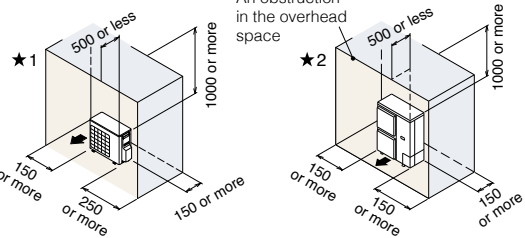
2) When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

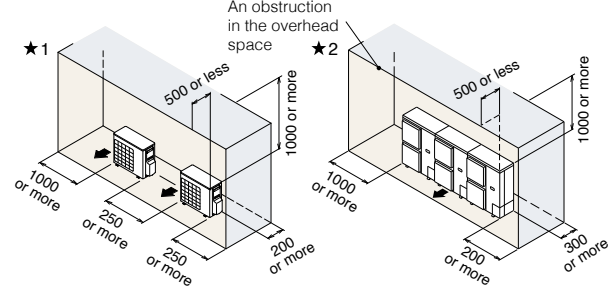


When there are obstructions on the inlet side and both lateral sides



2. For series installation (more than two units)

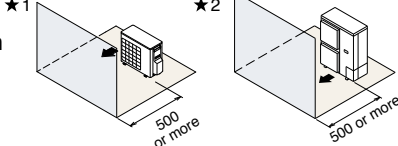
When there are obstructions on the inlet side and both lateral sides



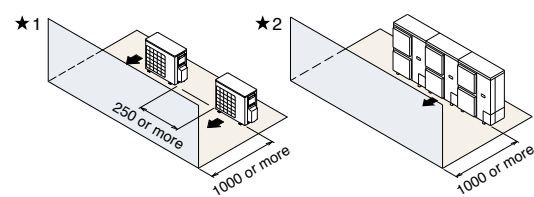
2 When there is an obstruction on the outlet side

1) When the overhead space is open

1. For single unit installation

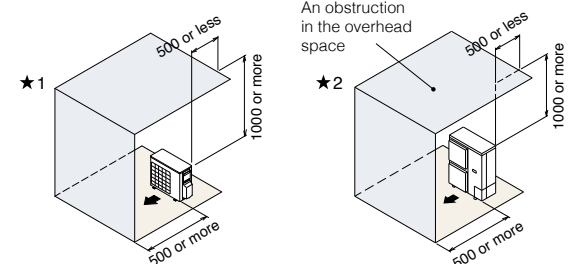


2. For series installation (more than two units)

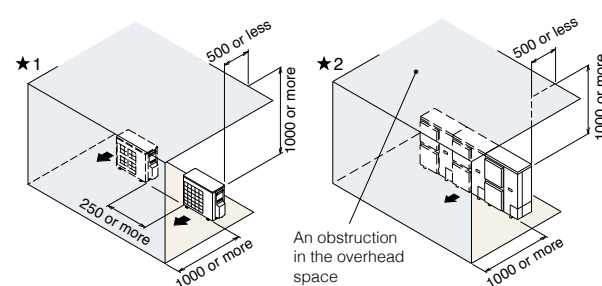


2) When there is an obstruction in the overhead space

1. For single unit installation



2. For series installation (more than two units)



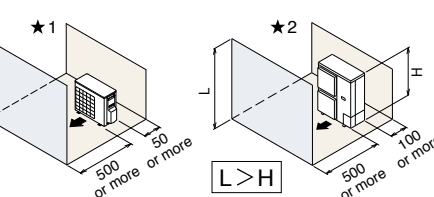
3 When there are obstructions on both the inlet and outlet sides

(When the obstruction on the outlet side is higher than the unit itself)

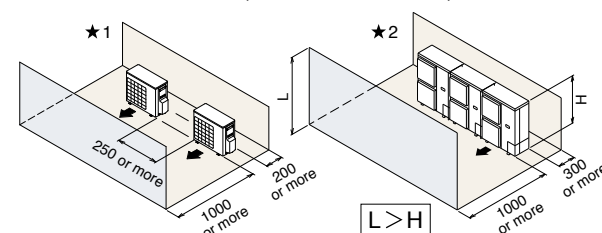
1) When the overhead space is open

(There is no limit to the height of the obstruction on the outlet side.)

1. For single unit installation



2. For series installation (more than two units)



Note : As for other patterns of installation, please refer to Installation manual or Engineering Data Book.