



- 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.

#### DAIKIN AIRCONDITIONING (SINGAPORE) PTE. LTD.

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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



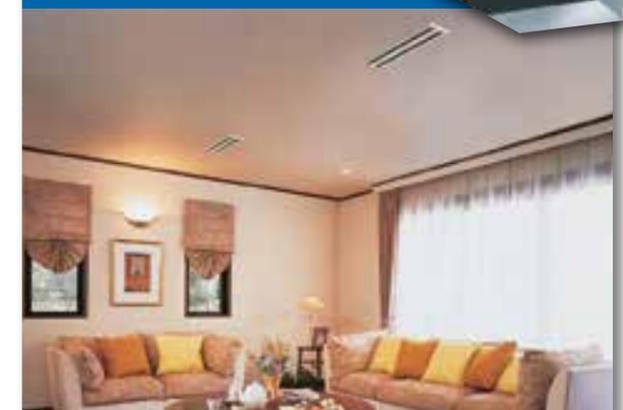
WALL MOUNTED TYPE



COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE



CEILING MOUNTED BUILT-IN TYPE



# Product Lineup



Series		25	35	50	60	71	100	125	140			
Pair	<b>CEILING MOUNTED CASSETTE TYPE</b> (Round Flow) <i>ROUND FLOW</i>											
	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	NEW 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			NEW FVQ50CVE	NEW FVQ60CVE		NEW FVQ71CVEB	NEW FVQ100CVEB	NEW FVQ125CVEB	NEW FVQ140CVEB			
Outdoor unit			RZR50LVVM	RZR60LVVM		RZR71LVVM	RZR100LVVM   RZR100LUY1	RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1			
Simultaneous Twin Multi	<b>CEILING MOUNTED CASSETTE TYPE</b> (Round Flow) <i>ROUND FLOW</i>											
	Indoor unit							NEW FCQ60LUV1x2	NEW FCQ71LUV1x2			
	Outdoor unit							RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1			
	<b>CEILING SUSPENDED TYPE</b>											
	Indoor unit							NEW FHQ60BVV1Gx2	NEW FHQ71BVV1Bx2			
Outdoor unit							RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1				
<b>DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE</b>												
Indoor unit							NEW FBQ60DV1x2	NEW FBQ71DV1x2				
Outdoor unit							RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1				
<b>FLOOR STANDING TYPE</b>												
Indoor unit							NEW FVQ60CVEx2	NEW FVQ71CVEBx2				
Outdoor unit							RZR125LVVM   RZR125LUY1	RZR140LVVM   RZR140LUY1				
<b>OUTDOOR UNIT</b> <i>Super Inverter</i>												
Outdoor unit			NEW RZR50LVVM	NEW RZR60LVVM		NEW RZR71LVVM	NEW RZR100LVVM	RZR100LUY1	NEW RZR125LVVM	RZR125LUY1	NEW RZR140LVVM	RZR140LUY1
<b>OUTDOOR UNIT</b> <i>INVERTER</i>												
Outdoor unit	RKS25AVMG	RKS35AVMG	RXS50FAVMA	RXS60FVMA		RXS71FVMA						

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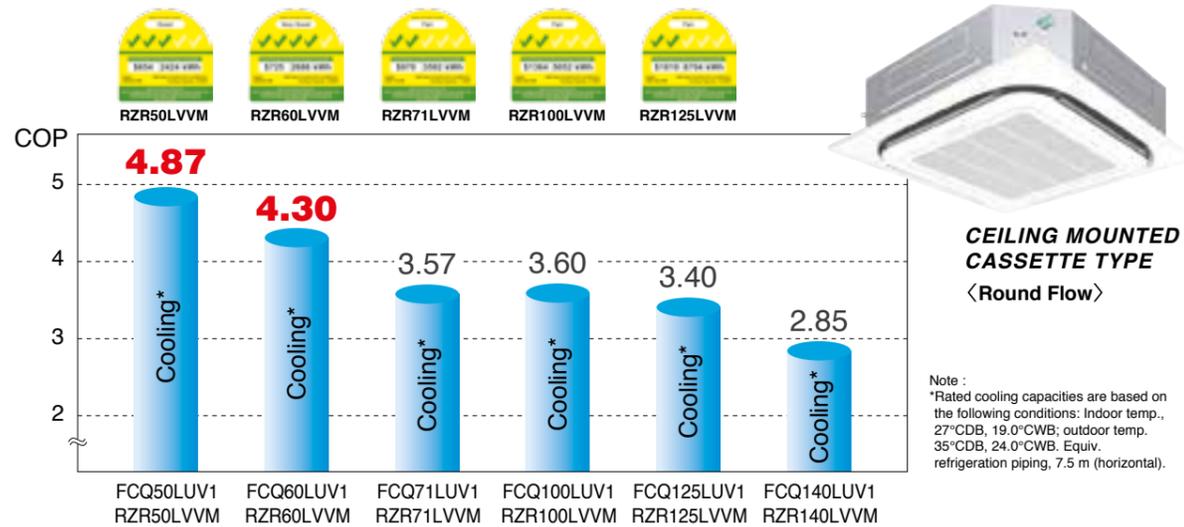
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# Energy saving

Super Inverter

Achieved higher COP with 4 Tick Energy Label



Note :  
\*Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24.0°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

**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

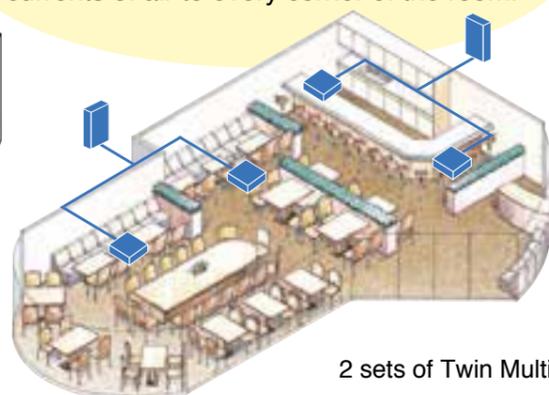
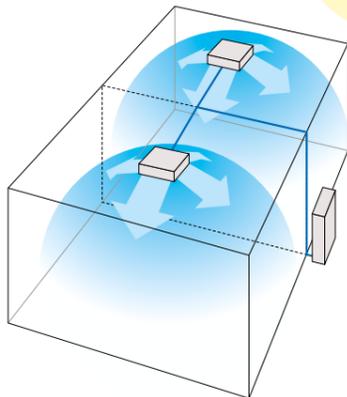
# Simultaneous twin multi operation

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	●	●							
	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						●	●	●
FLOOR STANDING TYPE	1 Phase			★	★	★	★	★	★	
	3 Phase						★	★	★	
Twin	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

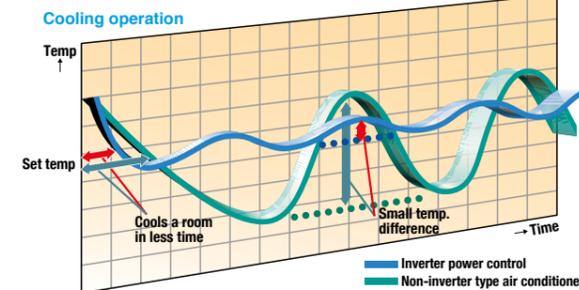
INVERTER

Enhanced comfort with Inverter

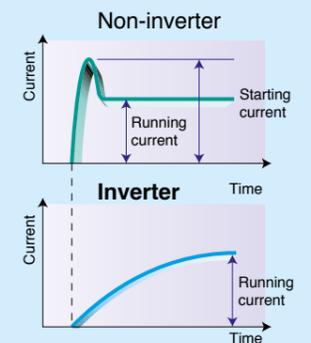
Inverter performs variable control of frequency, which determines air conditioner's power performance.

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																								
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		
•	•	•	•	•	*1	*2	*3	*3	*3	*3	*4	•	•	•	*2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	*2

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

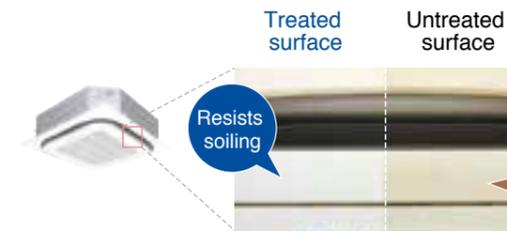
All-round flow	3-way flow	L-shaped 2-way flow	Opposite 2-way flow
(E.g., installed in middle of ceiling) 4-way flow also possible.	(E.g., installed near a wall)	(E.g., installed in a corner)	(E.g., installed in a long room)

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>2</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

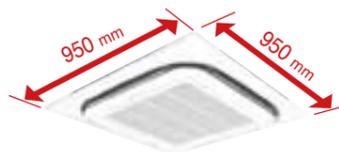
Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.

- 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.



Same for all models

## 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)

Ceiling height	Standard	Number of air discharge outlets used							
		50LU-71LU				100LU-140LU			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
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

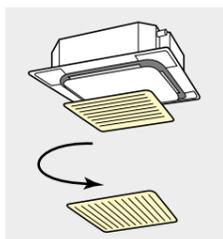
Each corner of the unit has an Adjuster Pocket that lets you easily adjust the unit's suspended height.

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

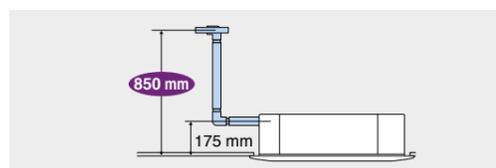
- All models can be installed without using lifter because of the light weight.

## 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.

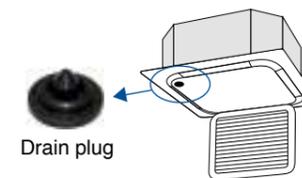


- Connection to a centralised control system is available without option

- 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.



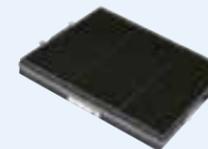
Just open the intake grille!

- 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

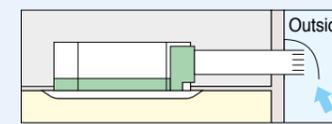
**Ordinary store or office: filter change every 4 years**  
\*For dust concentration of 0.15 mg/m<sup>3</sup>  
4 years (Approx. 10,000 hr) ≈ 8 hr/day x 25 day/month x 4 years

### High-efficiency filter

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

### Fresh air intake kit

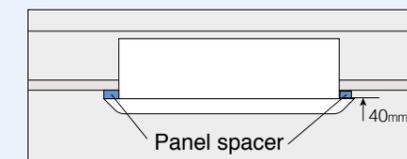
Using this kit, a duct can be fitted to increase the intake of outdoor air.



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)

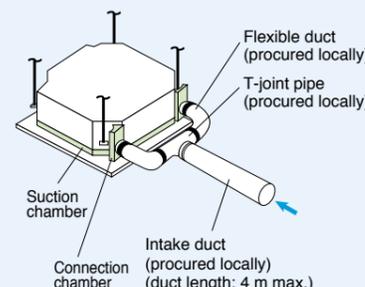
A round duct can be attached without the need for a chamber. A flanged port for direct connection of a round duct is provided. An existing branch duct chamber can also be fitted (square slit hole).

## The units can be installed in the following different ways.

### Chamber type

(without T-joint pipe and fan)

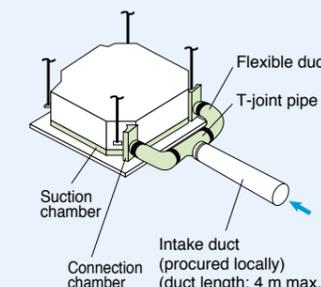
KDDP55B160



### Chamber type

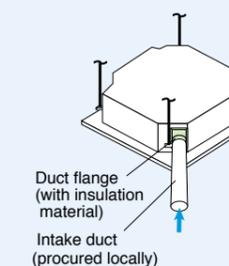
(with T-joint pipe and without fan)

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.



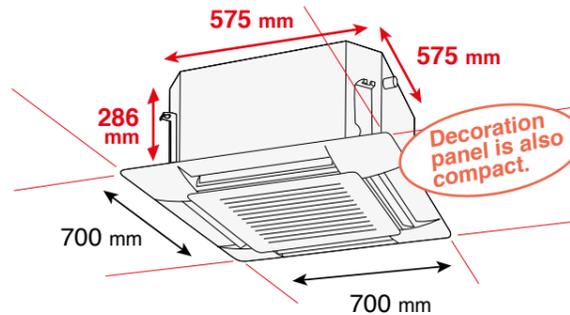
**BRC7E531W**

Signal receiver unit (Installed type)

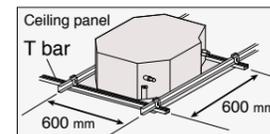
Wireless remote controller and signal receiver unit are sold as a set.

## 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.

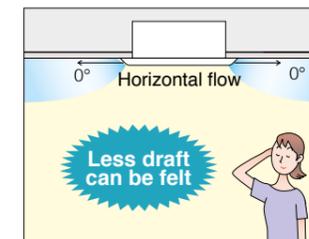


Indoor unit	dB(A)	
	High	Low
25B	29.5	24.5
35B	32	25

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

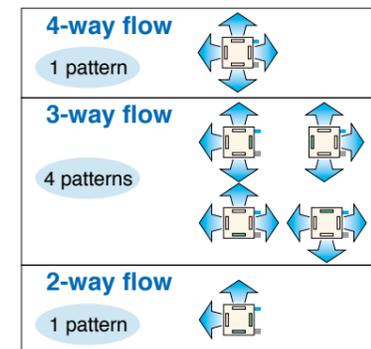
- Auto-swing operation distributes conditioned air more evenly.

- 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.

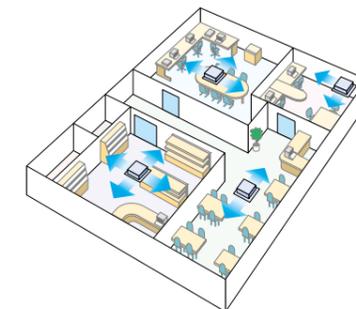
- Multi-Flow System



■ 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

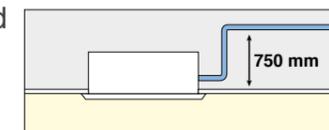
Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.

\*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.



## Features

Comfort		Remote controller		Cleanliness	Work & Servicing		Control features				Option	Others													
Auto swing	Swing pattern selection	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	Anti-bacterial air filter	Mould-proof drain pan	Drain pump mechanism	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	Anti-corrosion treated heat exchangers
•	•	•	•	*1	*2	*2	*2	*2	*3	•	•	•	*4	•	•	•	•	•	•	•	•	•	•	•	*4

\*1 Applicable when wired remote controller is used

\*2 Applicable when BRC1E62 is used

\*3 Applicable when BRC1C61 is used

\*4 For the outdoor units

# 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 30m	Pre-charged for up to 10m	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	DIII-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

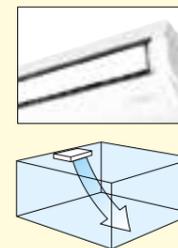
\*1FHQ35-125BV: 2 step, FHQ140CA: 3 step  
\*2Installable on max. 3.5 m (35-125BV), 4.3 m (140CA) high ceiling  
\*3Applicable when wired remote controller is used  
\*4Applicable to RZR outdoor units

\*5Applicable when BRC1E62 is used  
\*6Applicable when BRC1C61 is used  
\*7Option

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

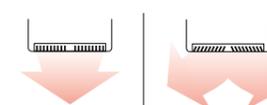
## New 140 model provides greater capacity for large spaces

- 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.



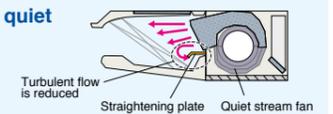
## Quiet operation

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

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

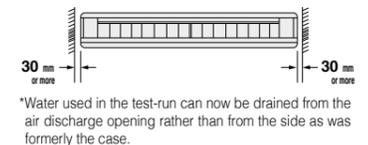
Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

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



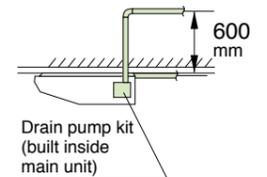
## Installation flexibility for freedom of design

- Flexible installation  
The unit fits more snugly into tight spaces.



- 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.



- 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.

## Compact & Sophisticated design

- FAQ100

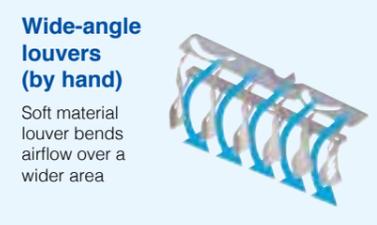
	FAQ100BV	FAQ100C
Height	360mm	340mm
Width	1,570mm	1,200mm
Depth	200mm	240mm
Weight	26kg	17kg

- Flaps neatly close when not in use

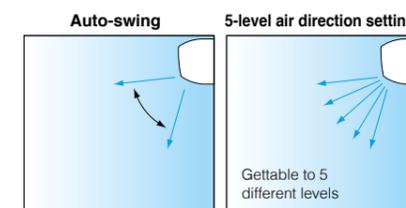


## Comfortable

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

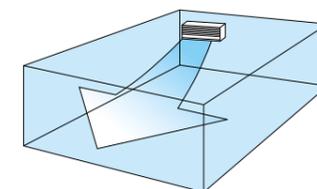


- An air discharge modes ensure comfortable air distribution across the entire room



- Comfort even on the far side of the room

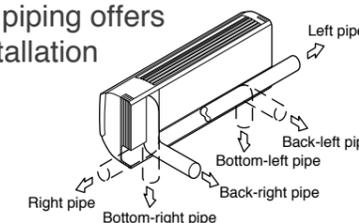
To carry air to the far side of long rooms, extra-high airflow adds 10% more fan speed the "high" setting. Air discharge strength is selected from the remote controller by field setting.



- 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

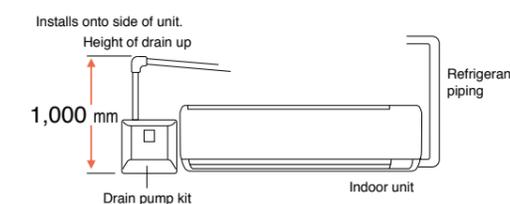
- 6-direction piping offers greater installation flexibility.



- 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.



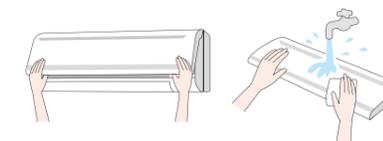
Drain pump kit can be installed on either left and right side of the air conditioner.



- 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.

### 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

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

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



**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**

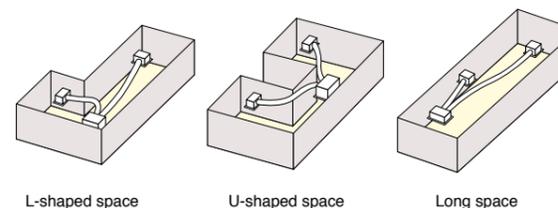
Comfort		Remote controller				Cleanliness	Work & Servicing			Control features					Others					
Switchable fan speed (2 step)	Programme "Dry"	Two selectable temperature-sensors	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Mould-proof drain pan	Drain pump 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	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

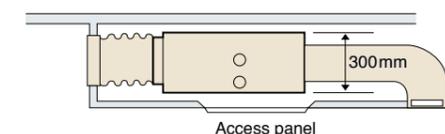
- Compact design of built-in type helps blend with interior decor.

Height reduced to allow installation in confined spaces.

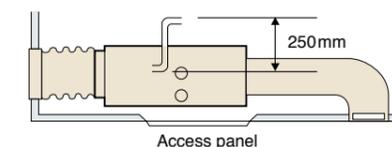
Indoor unit	50B	60/71B
Height	300	
Width	700	1,000
Depth	800	

## 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**

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



**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.

## Increased freedom of design thanks to variable control over external static pressure

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

Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 200 Pa.



Set to low static pressure when ducts are short.

Set to high static pressure for advanced needs such as when using dampers and long ducts.

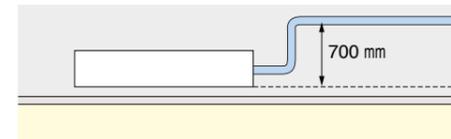
## Thin, lightweight indoor unit makes delivery and installation easy.

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



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.



## Reduced installation time

- 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.

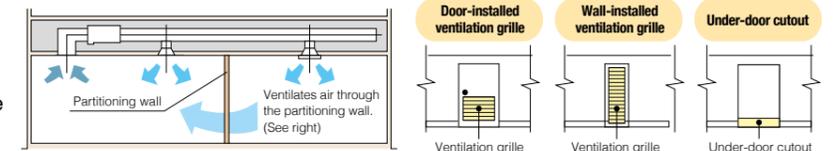
### Features

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	DII-NET communication standard	High efficiency filter	Anti-corrosion treated heat exchangers	
•	•	*1	*2	*3	*3	*3	*3	*4	*5	•	•	*2	*5	•	*2	•	•	•	•	•	•	•	•	•	•	*2	

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

### 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



**NEW** FVQ50/60/71/100/125/140C

**BRC1E62 can be incorporated into the main unit.**

**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.

## Features

Comfort				Remote controller		Cleanliness	Work & Servicing				Control features				Others												
Auto swing	Independent up-and-down airflow	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	Anti-bacterial air filter	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	DIII-NET communication standard	Anti-corrosion treated heat exchangers
•	•	•	*1	*2	•	*3	*4	*1	*1	*1	*1	*5	•	*4	•	•	*4	•	•	•	•	•	•	•	•	•	*4

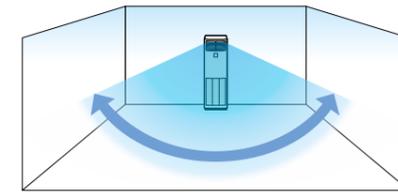
\*1 Applicable when BRC1E62 is used  
 \*2 Applicable for FVQ50-100  
 \*3 Applicable when wired remote controller is used  
 \*4 For the outdoor units  
 \*5 Applicable when BRC1C61 is used

## New comfortable airflow control

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

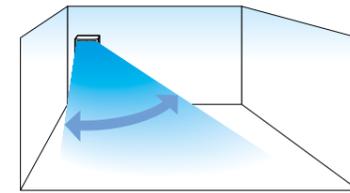
- Auto swing direction is selectable from 3 patterns to suit the layout of the room. (Applicable when BRC1E62 is used.)

**Pattern 1** Wide swing toward the front



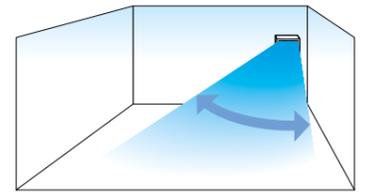
When installed in the center of a wall.

**Pattern 2** Swing on the left side



When installed in the corner of a room.

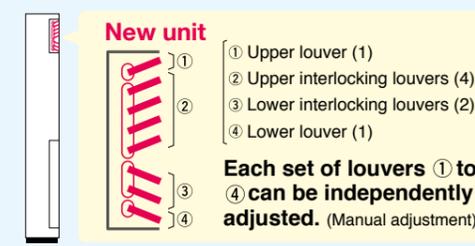
**Pattern 3** Swing on the right side



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

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

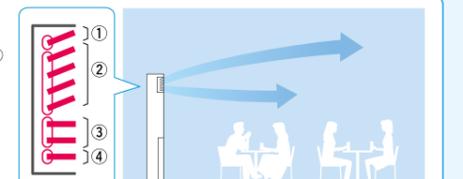
Freely select both up and down airflow direction with 8-louver (horizontal blade) operation.



#### 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	140C
Weight	39	47	

- Long-life filter lasts about 1 year\* 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

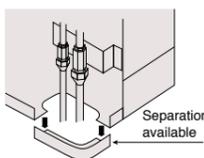
### Allowed refrigerant piping length and level difference

	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

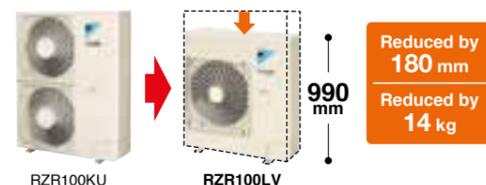
Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

## 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



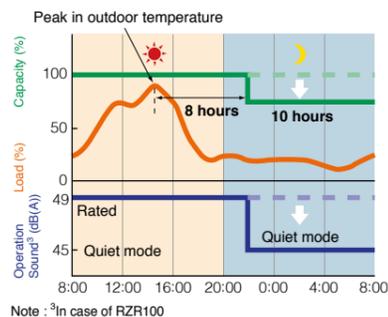
## Night time quiet operation function

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.

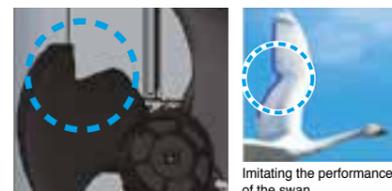


Note : <sup>3</sup>In case of RZR100

## 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

## 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

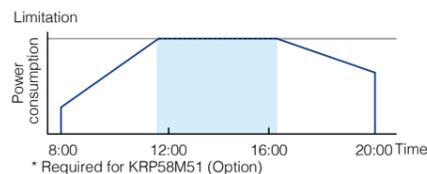
### Construction

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.

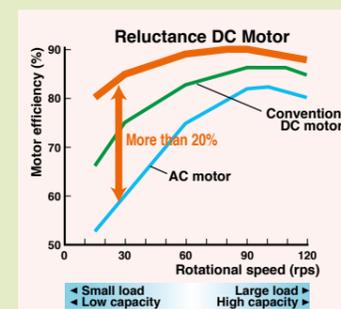


# Technology for energy efficiency

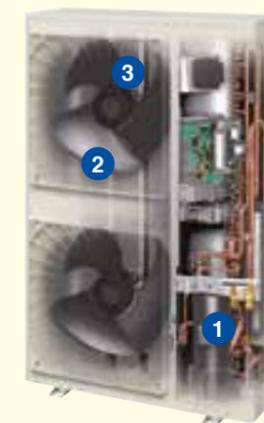
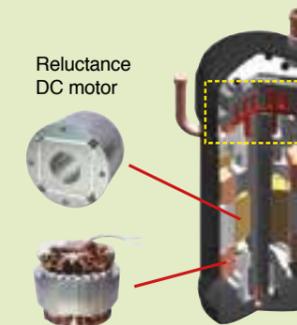
The high efficiency compressor to achieve a high COP

## 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.



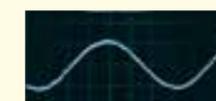
Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.



## >> Smooth sine wave DC inverter

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

Sine wave DC inverter

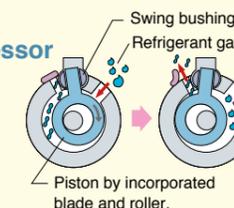


\*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.  
\*2. The torque created by the change in power between the iron and magnet parts.

RZR50/60/71/100LVVM

## >> Swing compressor

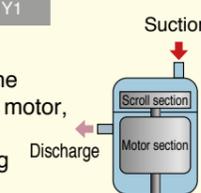
Energy savings is realised, eliminating the friction and the leakage of refrigerant gas.



RZR125/140LVVM, RZR100/125/140LUY1

## >> The structural scroll

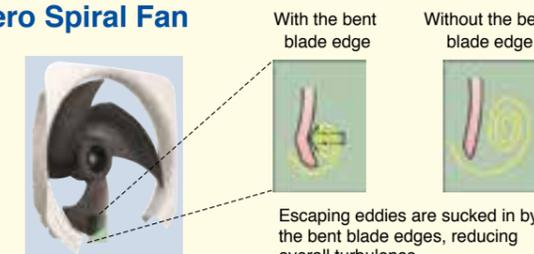
Sucked gas is compressed in the scrolling part before the heated motor, so that the machine compresses the non-expanded gas, resulting in high efficiency compression.



## 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.

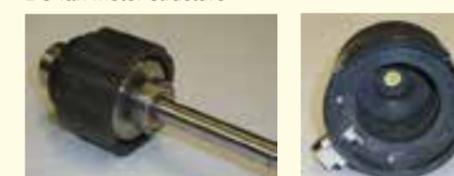


Escaping eddies are sucked in by the bent blade edges, reducing overall turbulence.

## 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**

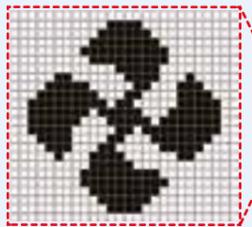


This simple, modern designed remote controller with fresh white colour matches your interior design. Operation is much easier and smoother, just follow the indications on the navigation remote controller.

## Clear Display

### Dot matrix display

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



### Backlight display

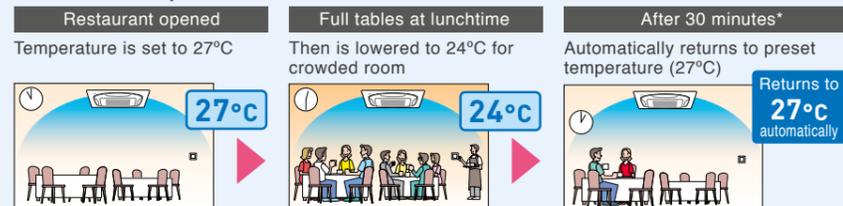


## Energy saving

### **NEW** Setpoint auto reset

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

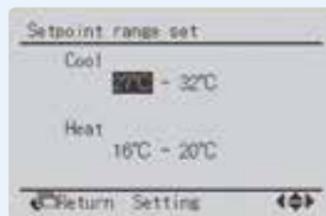
#### Restaurant sample



\*Setting possible for after 30, 60, 90, and 120 minutes.

### **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.



### 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.

## 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.

**NEW** - 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.



- 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.)

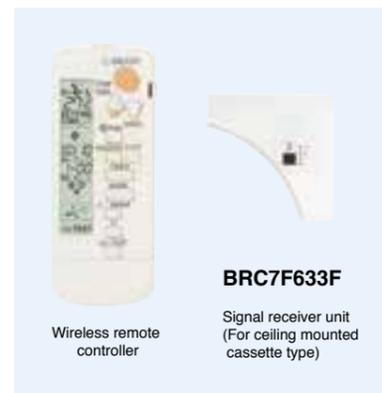
### Facilitates maintenance and repair

- 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))

## LCD wireless remote controller



- 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.

### 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.

## 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.

<b>Airflow / swing display</b>	Displays auto-swing operating status and setting position of air discharge angle.
<b>Preset temperature / operation mode display</b>	Displays preset room temperature and operating status (fan, dry, cool).
<b>Programming time display</b>	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.
<b>Self-diagnosis function</b>	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)	 ● Non-polar, double-core (max. wiring length 500 m)	 ● Signal receiver unit installed on indoor unit
<b>Control by 2 remote controllers</b>	For control from 2 locations such as in room and control room, exits, etc.	 ● Connects 2 wired remote controllers (See note 1)	 ● Control by 1 wireless remote controller and 1 wired remote controller (See note 2, 3) ● Signal receiver unit installed on indoor unit
<b>Group control</b>	For simultaneous control of up to 16 indoor units.	 ● Automatic address setting function	 ● Automatic address setting function ● Signal receiver unit installed on 1 indoor unit
<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.	 ● Optional wiring adaptor for electrical appendices is necessary	 ● Optional wiring adaptor for electrical appendices is necessary
<b>Centralised remote control</b>	Centralised control of up to 64 indoor groups from remote location up to 1 kilometer away.	 Central remote controller (option) ● Interface adaptor for SkyAir series (option) is required (See note 4)	 Central remote controller (option) ● Interface adaptor for SkyAir series (option) is required (See note 4)
<b>Interlock control with Heat Reclaim Ventilator</b>	Link by remote controller group control.	 Heat Reclaim Ventilator ● Can be operated simultaneously or independently by remote controller (set by ventilation mode)	 Heat Reclaim Ventilator ● Can be operated simultaneously by remote controller (set by ventilation mode)
	Zone link control by centralised control.	 Central remote controller (option) Heat Reclaim Ventilator ● Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking. Can also be operated independently by remote controller.	 Central remote controller (option) Heat Reclaim Ventilator ● Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking.

Note: <sup>1</sup>BRC1E62 can connect to BRC1E62 only.  
<sup>2</sup>It is not possible to use two wireless remote controllers.  
<sup>3</sup>BRC1E62 cannot connect to wireless remote controller.  
<sup>4</sup>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.		
	● The interface adaptor for the SkyAir series is optional except for 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.		

## Simultaneous operation system < Twin Multi operation >

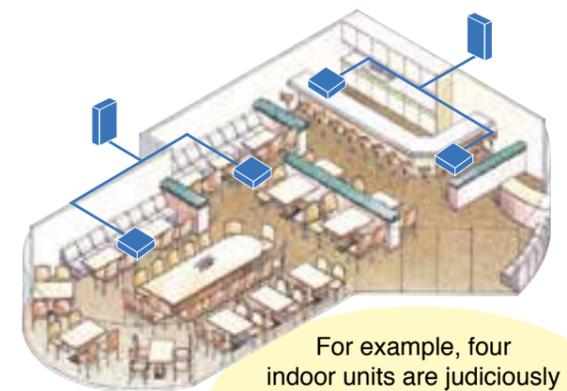
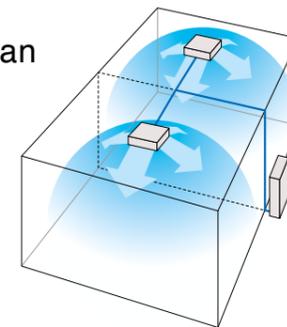
Super Inverter

# 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

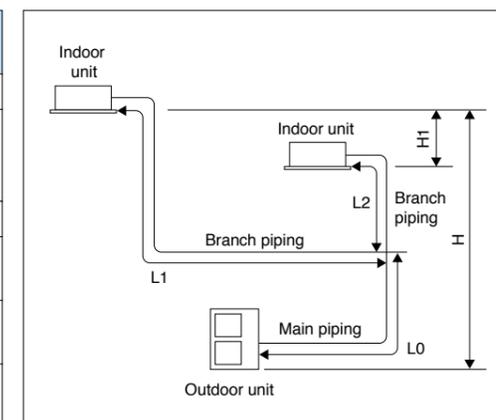


2 sets of Twin Multi

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	$H \leq 30 \text{ m}$



Refrigerant branch piping kit for Twin Multi operation (option)

**KHRP58P216T** Page 39



# 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

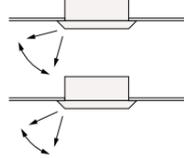
Delivers comfortable air-conditioning to all areas, near to and far from the air-conditioner. ■ The air flow direction can be fixed at your desired angle by the remote controller.

### 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.

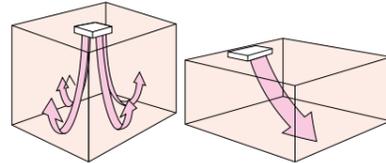
• Applicable for wall mounted type

### 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

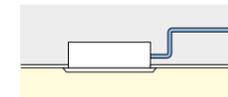
Mould-proof drain pan prevents growth of mould in highly humid conditions.

• 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.

# SPECIFICATIONS

## CEILING MOUNTED CASSETTE TYPE

Model Name		50	60	71	100	125	140	100	125	140	
Indoor unit		FCQ50LUV1	FCQ60LUV1	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	
Outdoor unit		RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUV1	RZR125LUV1	RZR140LUV1	
Power supply		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)	14.0 (6.2-15.4)	
Power consumption		kW		1.03	1.40	1.99	2.78	3.68	4.91	4.91	
COP		W/W		4.87	4.30	3.57	3.60	2.85	3.40	2.85	
Indoor unit	Colour	Fresh white									
	Unit Decoration panel	Fresh white									
	Airflow rate (H/L)	m <sup>3</sup> /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)	mm		256×840×840	50×950×950		298×840×840				
	Machine weight	kg		21			24				
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
	Refrigerant charge (R-410A)	kg		1.6 (Charged for 30 m)		2.7 (Charged for 30 m)		3.15 (Charged for 30 m)		3.7 (Charged for 30 m)	
	Sound level <sup>3</sup>	Cooling		dB(A)		48		49		50	
		Night quiet mode		dB(A)		44		45		46	
	Dimensions (H×W×D)	mm		595×845×300		990×940×320		1,170×900×320			
	Machine weight	kg		43		78		97		97	
	Certified operation range	Cooling		°CDB		21 to 46					
	Piping connections	Liquid (Flare)	mm		ø9.5						
Gas (Flare)		mm		ø15.9							
Drain		mm		VP25 (I.D.ø25×O.D.ø32)							
Max. interunit piping length	m		50 (Equivalent length 70)								
Max. installation level difference	m		30								
Heat insulation			Both liquid and gas piping								

## Twinn Multi

Model Name		125	140	125	140		
Indoor unit		FCQ60LUV1x2	FCQ71LUV1x2	FCQ60LUV1x2	FCQ71LUV1x2		
Outdoor unit		RZR125LVVM	RZR140LVVM	RZR125LUV1	RZR140LUV1		
Power supply		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)		
Power consumption		kW		3.68	4.91		
COP		W/W		3.40	2.85		
Indoor unit	Colour	Fresh white					
	Unit Decoration panel	Fresh white					
	Airflow rate (H/L)	m <sup>3</sup> /min		21/13.5			
		cfm		741/477			
	Sound level (H/L) <sup>3</sup>	dB(A)		35/28			
	Dimensions (H×W×D)	mm		256×840×840			
	Machine weight	kg		21			
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
	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	
	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		mm		VP25 (I.D.ø25×O.D.ø32)			
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

Model Name		25	35
Indoor unit		FFQ25BV1B	FFQ35BV1B
Outdoor unit		RKS25AVMG	RKS35AVMG
Power supply		1 Phase, 220-240 V, 50 Hz	
Cooling capacity <sup>1</sup> Rated (Min. - Max.)		kW	
		2.5 (1.2-3.0)	
Power consumption		kW	
		0.73	
COP		W/W	
		3.42	
Indoor unit	Colour	White	
	Unit Decoration panel	White	
	Airflow rate (H/L)	m <sup>3</sup> /min	
		cfm	
		9/6.5	
		317/229	
	Sound level (H/L) <sup>2</sup>	dB(A)	
	29.5/24.5		
Dimensions (H×W×D)	mm		
	286×575×575		
Machine weight	kg		
	17.5		
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)	
		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	mm		
	VP20 (I.D.ø20×O.D.ø26)		
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

Model Name		35	
Indoor unit		FHQ35BVV1B	
Outdoor unit		RKS35AVMG	
Power supply		1 Phase, 220-240 V, 50 Hz	
Cooling capacity <sup>1</sup> Rated (Min. - Max.)		kW	
		3.4 (1.2-3.7)	
Power consumption		kW	
		1.05	
COP		W/W	
		3.24	
Indoor unit	Colour	White	
	Airflow rate (H/L)	m <sup>3</sup> /min	
		cfm	
		13/10	
		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	mm		
	VP20 (I.D.ø20×O.D.ø26)		
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

Model Name	Indoor unit		50	60	71	100	125	140	100	125			
	Outdoor unit		FHQ50BVV1G	FHQ60BVV1G	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ140CAVEB	FHQ100BVV1B	FHQ125BVV1B			
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)	m <sup>3</sup> /min	17/-/14		24/-/20		30/-/25		34/29/24		24/-/20		
		cfm	600/-/494		847/-/706		1,059/-/883		1,200/1,024/847		847/-/706		
	Sound level (H/M/L) <sup>3</sup>	dB(A)	39/-/35		42/-/37		44/-/39		46/42/38		42/-/37		
	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		
	Machine weight	kg	27		32		35		38		32		
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	VP20 (I.D.ø20×O.D.ø26)										
	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											

## Twin Multi

Model Name	Indoor unit		125	140	125	140	
	Outdoor unit		FHQ60BVV1Gx2	FHQ71BVV1Bx2	FHQ60BVV1Gx2	FHQ71BVV1Bx2	
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	ø9.5			
Gas (Flare)		mm	ø15.9				
Drain		Indoor unit	VP20 (I.D.ø20×O.D.ø26)				
	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.

## WALL MOUNTED TYPE

Model Name	Indoor unit		71	100	100
	Outdoor unit		FAQ71CVEA	FAQ100CVEA	FAQ100CVEA
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)	m <sup>3</sup> /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
	Refrigerant charge (R-410A)	kg	1.6 (Charged for 30 m)		3.35 (Charged for 30 m)
	Sound level <sup>3</sup>	Cooling	dB(A)	48	
		Night quiet mode	dB(A)	49	
	Dimensions (H×W×D)	mm	595×845×300		900×940×320
	Machine weight	kg	43		78
	Certified Operation range	°CDB	21 to 46		
	Piping connections	Liquid (Flare)	mm	ø9.5	
Gas (Flare)		mm	ø15.9		
Drain		Indoor unit	VP13 (O.D.ø18 × I.D.ø13)		
	Outdoor unit	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

Model Name	Indoor unit		50	60	71
	Outdoor unit		FBQ50BV1A	FBQ60BV1A	FBQ71BV1A
Power supply	Outdoor unit		1 Phase, 220-240 V, 50 Hz		
Cooling capacity <sup>1</sup> Rated (Min. - Max.)	kW		5.0 (1.7-5.6)	5.7 (1.7-7.0)	6.7 (2.3-8.0)
Power consumption	Cooling <sup>1</sup>	kW	1.98	2.23	2.57
COP		W/W	2.53	2.56	2.61
Indoor unit	Colour		Ivory white		
	Fan	Airflow rate (H/L)	13/9		18/13
		cfm	459/318		636/459
	External static pressure (High-Standard-Low)	Pa	88-49-20 <sup>2</sup>		
	Sound level <sup>3</sup>	Cooling (H/L)	dB(A)	33/29	
	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	
	Refrigerant charge (R-410A)	kg	1.5 (Charged for 10 m)		2.3 (Charged for 10 m)
	Sound level <sup>3</sup>	Cooling	dB(A)	47	
		Night quiet mode	dB(A)	49	
	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		
Drain		Indoor unit	VP25 (I.D.ø25×O.D.ø32)		
	Outdoor unit	ø18.0 (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.)		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>	1.39	1.69	2.22	2.82	3.73	4.71	2.82	3.73	4.71	
COP		3.60	3.56	3.20	3.55	3.35	2.97	3.55	3.35	2.97	
Indoor unit	Colour		Fresh white								
	Fan	Airflow rate (H/L)	18/15	32/23			39/28		32/23		39/28
		Cooling	635/530								
		External static pressure (Middle-High)	50-200 <sup>3</sup>								
		Sound level <sup>4</sup>	37/32		38/33		40/36		38/33		40/36
		Cooling (H/L)	37/32								
		Air filter	5								
		Dimensions (H×W×D)	300×1,000×700				300×1,400×700				
		Machine weight	36				46				
		Certified Operation range	14 to 25								
Outdoor unit	Colour		Ivory white								
	Compressor	Type	Hermetically sealed swing type				Hermetically sealed scroll type				
		Motor output	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	48		49		50		49		50
		Night quiet mode	44		45		46		45		46
		Dimensions (H×W×D)	595×845×300		990×940×320		1,170×900×320				
		Machine weight	43		78		97		92		97
		Certified Operation range	21 to 46								
	Piping connections	Liquid (Flare)	mm	φ9.5							
Gas (Flare)		mm	φ15.9								
Drain		Indoor unit	VP25 (I.D φ25×O.D φ32)								
		Outdoor unit	φ26.0 (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.)		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>	3.73	4.71	3.73	4.71	
COP		3.35	2.97	3.35	2.97	
Indoor unit	Colour		Fresh white			
	Fan	Airflow rate (H/L)	18/15	635/530		
		Cooling	635/530			
		External static pressure (Middle-High)	50-200 <sup>3</sup>			
		Sound level <sup>4</sup>	37/32			
		Cooling (H/L)	37/32			
		Air filter	5			
		Dimensions (H×W×D)	300×1,000×700			
		Machine weight	36			
		Certified Operation range	14 to 25			
Outdoor unit	Colour		Ivory white			
	Compressor	Type	Hermetically sealed scroll type			
		Motor output	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	45		50	
		Night quiet mode	46		45	
		Dimensions (H×W×D)	1,170×900×320			
		Machine weight	97			
		Certified Operation range	21 to 46			
	Piping connections	Liquid (Flare)	mm	φ9.5		
Gas (Flare)		mm	φ15.9			
Drain		Indoor unit	VP25 (I.D φ25×O.D φ32)			
		Outdoor unit	φ26.0 (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	FVQ100CEB	FVQ125CEB	FVQ140CEB	FVQ100CEB	FVQ125CEB	FVQ140CEB	
	Outdoor unit	RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1	
Power supply	Indoor unit	1 Phase, 220-240 V, 50 Hz/220-230 V, 60 Hz									
	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.)		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>	1.27	1.84	2.58	3.28	4.39	5.40	3.28	4.39	5.40	
COP		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)	18/16/14	28/25/22		28/26/24		30/28/26		28/25/22	
		Cooling	635/565/494								
		Sound level <sup>3</sup>	43/41/38		50/47/44		51/48/46		53/51/48		53/51/48
		Cooling (H/M/L)	43/41/38								
		Dimensions (H×W×D)	1,850×600×270				1,850×600×350				
		Machine weight	39				47				
		Certified Operation range	14 to 25								
		Cooling	°CWB								
	Outdoor unit	Colour		Ivory white							
Compressor		Type	Hermetically sealed swing type				Hermetically sealed scroll type				
		Motor output	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	48		49		50		49		50
		Night quiet mode	44		45		46		45		46
		Dimensions (H×W×D)	595×845×300		990×940×320		1,170×900×320				
		Machine weight	43		78		97		92		97
		Certified Operation range	21 to 46								
Piping connections		Liquid (Flare)	mm	φ9.5							
	Gas (Flare)	mm	φ15.9								
	Drain	Indoor unit	VP20 (I.D φ20×O.D φ26)								
		Outdoor unit	φ26.0 (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	FVQ60CVEx2	FVQ71CVEBx2	FVQ60CVEx2	FVQ71CVEBx2	
	Outdoor unit	RZR125LVVM	RZR140LVVM	RZR125LUY1	RZR140LUY1	
Power supply	Indoor unit	1 Phase, 220-240 V, 50 Hz/220-230 V, 60 Hz				
	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.)		12.5 (5.7-14.0)	13.5 (6.2-15.4)	12.5 (5.7-14.0)	13.5 (6.2-15.4)	
Power consumption	Cooling <sup>1</sup>	4.39	5.40	4.39	5.40	
COP		2.85	2.50	2.85	2.50	
Indoor unit	Colour		Fresh white			
	Fan	Airflow rate (H/M/L)	18/16/14	635/565/494		
		Cooling	635/565/494			
		Sound level <sup>3</sup>	43/41/38		43/41/38	
		Cooling (H/M/L)	43/41/38			
		Dimensions (H×W×D)	1,850×600×270			
		Machine weight	39			
		Certified Operation range	14 to 25			
		Cooling	°CWB			
	Outdoor unit	Colour		Ivory white		
Compressor		Type	Hermetically sealed scroll type			
		Motor output	2.4	3.1	2.8	3.4
Refrigerant charge (R-410A)		kg	3.15 (Charged for 30 m)		3.7 (Charged for 30 m)	
Sound level <sup>3</sup>		Cooling	45		46	
		Night quiet mode	46		45	
		Dimensions (H×W×D)	1,170×900×320			
		Machine weight	97			
		Certified Operation range	21 to 46			
Piping connections		Liquid (Flare)	mm	φ9.5		
	Gas (Flare)	mm	φ15.9			
	Drain	Indoor unit	VP20 (I.D φ20×O.D φ26)			
		Outdoor unit	φ26.0 (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>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option	Remark	Kit name					
		FCQ50LUV1	FCQ60LUV1	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1
Decoration panel		BYCP125K-W1					
Sealing material of air discharge outlet		KDBH55K160F					
Panel spacer		KDBP55H160FA					
Fresh air intake kit <sup>1</sup>	Chamber type	Without T-joint pipe and fan					
	Direct installation type	With T-joint pipe, without fan					
Chamber connection kit <sup>2</sup>		KDDP55B160					
Insulation kit for high humidity		KKSJ55KA160					
High-efficiency filter (including chamber)	(Colorimetric method 65%)	KDTP55K80		KDTP55K160			
	(Colorimetric method 90%)	KAFP556B80		KAFP556B160			
Replacement high-efficiency filter	(Colorimetric method 65%)	KAFP557B80		KAFP557B160			
	(Colorimetric method 90%)	KAFP552B80		KAFP552B160			
Filter chamber		KDDFP55B160					
Replacement long-life filter		KAFP551K160					
Ultra long-life filter		KAFP55B160					
Replacement ultra long-life filter		KAFP55H160H					
Branch duct chamber		KJDP55B80		KJDP55B160			
Remote controller	Wireless type	BRC7F633F					
	Wired type <sup>3</sup>	BRC1C61					
Navigation Remote Controller	Wired type <sup>3</sup>	BRC1E62					
Central remote controller <sup>4</sup>		DCS302CA61					
Unified ON/OFF controller <sup>4</sup>		DCS301BA61					
Schedule timer <sup>4</sup>		DST301BA61					
Intelligent Touch Controller <sup>4</sup>		DCS601C51					
Adaptor for wiring <sup>5</sup>		KRP1C63					
Wiring adaptor for electrical appendices <sup>5</sup>		KRP4AA53					
Installation box for adaptor PCB		KRP1H98					
Remote sensor (for indoor temperature)		KRCS01-4B					

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

Independently installable optional parts	Optional accessory parts	Panel spacer <sup>1</sup>	Wireless remote controller	Fresh air intake kit (Chamber type) <sup>1,2</sup>	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter <sup>2</sup>	Ultra-long-life filter <sup>2</sup>
Operation control related	Wireless remote controller	○	○	○	○	○	○	○
Auxiliary function related	Fresh air intake kit (Chamber type) <sup>1,2</sup>	○	○	○	×	×	○	○
	Fresh air intake kit (direct mount)	○	○	×	○	○	○	○
	High-humidity operation kit	×	○	×	○	×	×	×
Filter related	High-efficiency filter <sup>2</sup>	○	○	○	○	×	×	×
	Ultra-long-life filter <sup>2</sup>	○	○	○	○	×	×	×

3-way flow 2-way flow

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

Branch duct connection

Independently installable optional parts	Optional accessory parts	Panel spacer <sup>1</sup>	Wireless remote controller	Fresh air intake kit (Chamber type) <sup>1,2</sup>	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter <sup>2</sup>	Ultra-long-life filter <sup>2</sup>
2-way branch / unit 2-way flow	×	○	○	○ <sup>4</sup>	×	×	○	
1-way branch / unit 2-way flow	×	○	○	○ <sup>4</sup>	×	×	○	

<sup>1</sup>In 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.  
<sup>2</sup>Use 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.  
<sup>3</sup>It is not possible to use panel spacers in a 2-way flow installation.  
<sup>4</sup>It 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	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: <sup>1</sup>Wiring for wired remote controller to be procured locally.  
<sup>2</sup>Installation box for adaptor PCB (KRP1BA101) is necessary.  
<sup>3</sup>This optional accessory requires DTA112BA51.

CEILING SUSPENDED TYPE

Name of option	Remark	Kit name						
		FHQ35BV1B	FHQ50BV1G	FHQ60BV1G	FHQ71BV1B	FHQ100BV1B	FHQ125BV1B	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)		KHFP5MA160						
Remote controller	Wireless type	BRC7EA66						
	Wired type <sup>1</sup>	BRC1C61						
Navigation Remote Controller	Wired type <sup>1</sup>	BRC1E62						
Central remote controller		DCS302CA61 <sup>2</sup>						
Unified ON/OFF controller		DCS301BA61 <sup>2</sup>						
Schedule timer		DST301BA61 <sup>2</sup>						
Intelligent Touch Controller		DCS601C51 <sup>2</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						
Remote sensor (for indoor temperature)		KRCS01-1B						
Electrical box with earth terminal (3 blocks)		KJB311AA						
Electrical box with earth terminal (2 blocks)		KJB212AA						

Note: <sup>1</sup>Wiring for wired remote controller to be procured locally.  
<sup>2</sup>This optional accessory requires DTA112BA51.  
<sup>3</sup>FHQ140CA is equipped standardly with the interface adaptor for SkyAir series. DTA112BA51 is unnecessary.  
<sup>4</sup>Installation 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	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: <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 (KRP4AA93) is necessary.

# OPTIONS

## Indoor unit

### CEILING MOUNTED BUILT-IN TYPE

Name of option	Remark	Kit name		
		FBQ50BV1A	FBQ60BV1A	FBQ71BV1A
Service panel		KT25KA56W	KT25KA80W	
Air discharge adaptor		KDAJ25K56A	KDAJ25K71A	
Remote controller	Wireless type	BRC4C62		
	Heat pump	BRC1C61		
Navigation Remote Controller	Wired type <sup>1</sup>	BRC1E62		
	Wired type <sup>1</sup>	KRP1BA54		
Adaptor for wiring (interlock for fresh air intake fan)		KRP4AA51		
Wiring adaptor for electrical appendices		DTA112BA51		
Interface adaptor for SkyAir series		DCS302CA61		
Central remote controller <sup>2</sup>		DCS301BA61		
Unified ON/OFF controller <sup>2</sup>		DST301BA61		
Schedule timer <sup>2</sup>		DCS601C51		
Intelligent Touch Controller <sup>2</sup>				

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		KT25KA80W			KT25KA160W		
		KTBJ25K80F			KTBJ25K160F		
Air discharge adaptor		KDAJ25K71A			KDAJ25K140A		
Remote controller	Wireless type	BRC4C64					
	Cooling only	BRC1C61					
Navigation Remote Controller	Wired type <sup>2</sup>	BRC1E62					
	Wired type <sup>2</sup>	KRP1C64 *					
Adaptor for wiring (interlock for fresh air intake fan)		KRP4AA51 *					
Wiring adaptor for electrical appendices		KRCS01-4B					
Remote sensor		KRP4A96 <sup>5,6</sup>					
Mounting plate for adaptor PCB <sup>4</sup>		DCS302CA61					
Central remote controller <sup>3</sup>		DCS301BA61					
Unified ON/OFF controller <sup>3</sup>		DST301BA61					
Schedule timer <sup>3</sup>		DCS601C51					
Intelligent Touch Controller <sup>3</sup>							

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 wiring <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

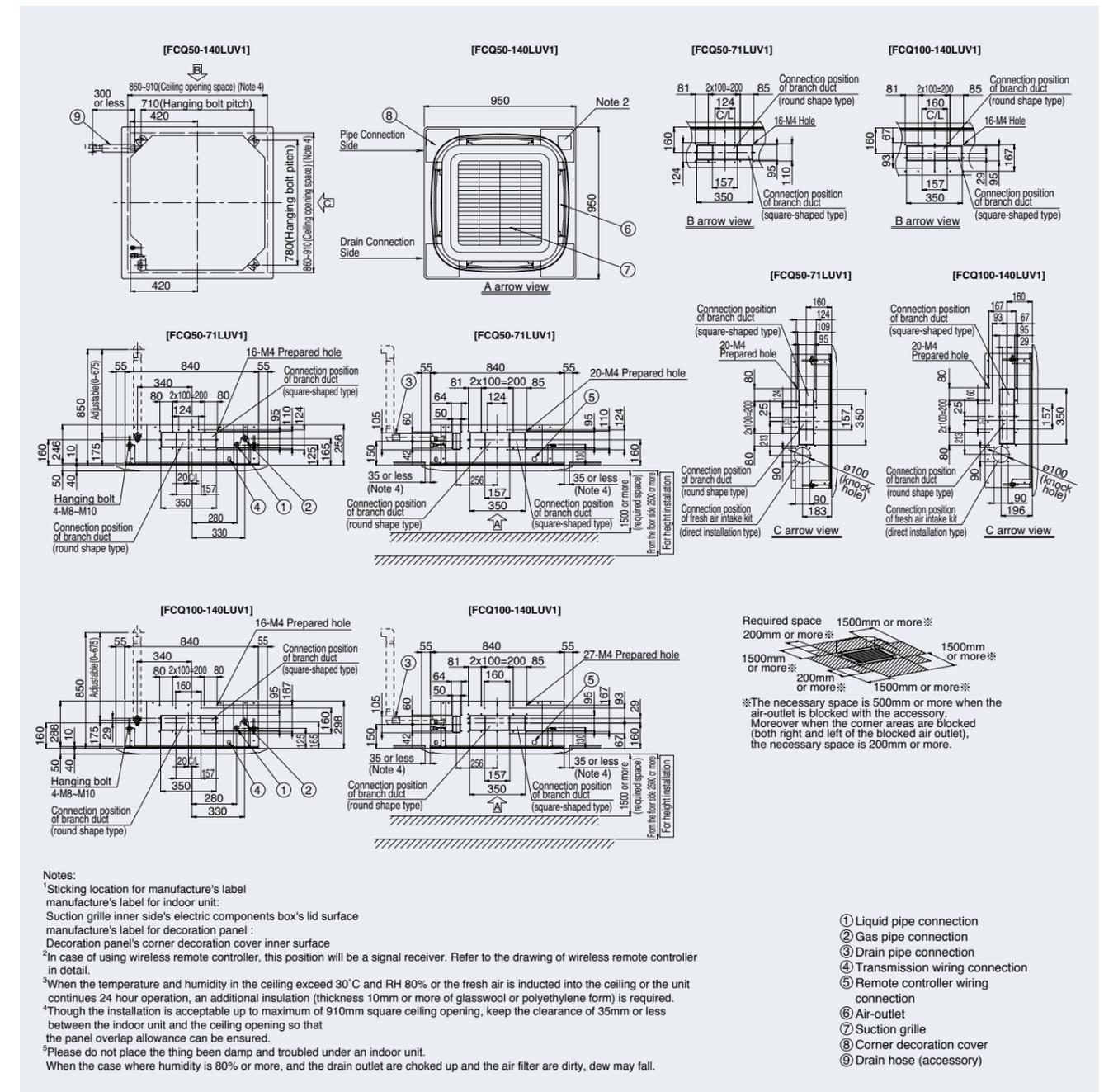
Name of option	Remark	Kit name								
		RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1
Central drain plug		KKP014A4			KKP5JG280			KKP5JF180		
Wire fixture for preventing overturning		---			---			K-KYZP15C		
Fixture for preventing overturning		---			KKT5P5B112			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		
		RXS50FVMA	RXS60FVMA	RXS71FVMA
Air direction adjustment grille		KPW945A4		
Drain plug	One set includes 5 pieces for 5 units	KKP937A4		

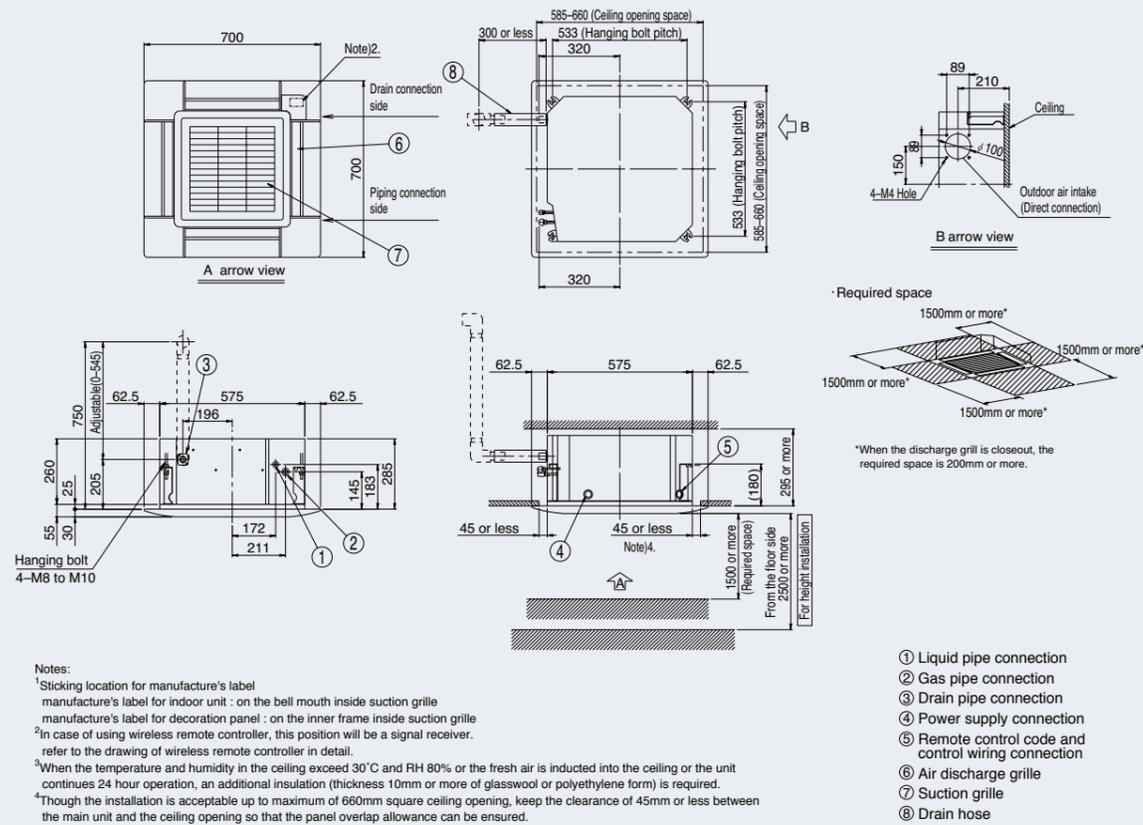
# DIMENSIONS (Unit: mm)

## CEILING MOUNTED CASSETTE TYPE



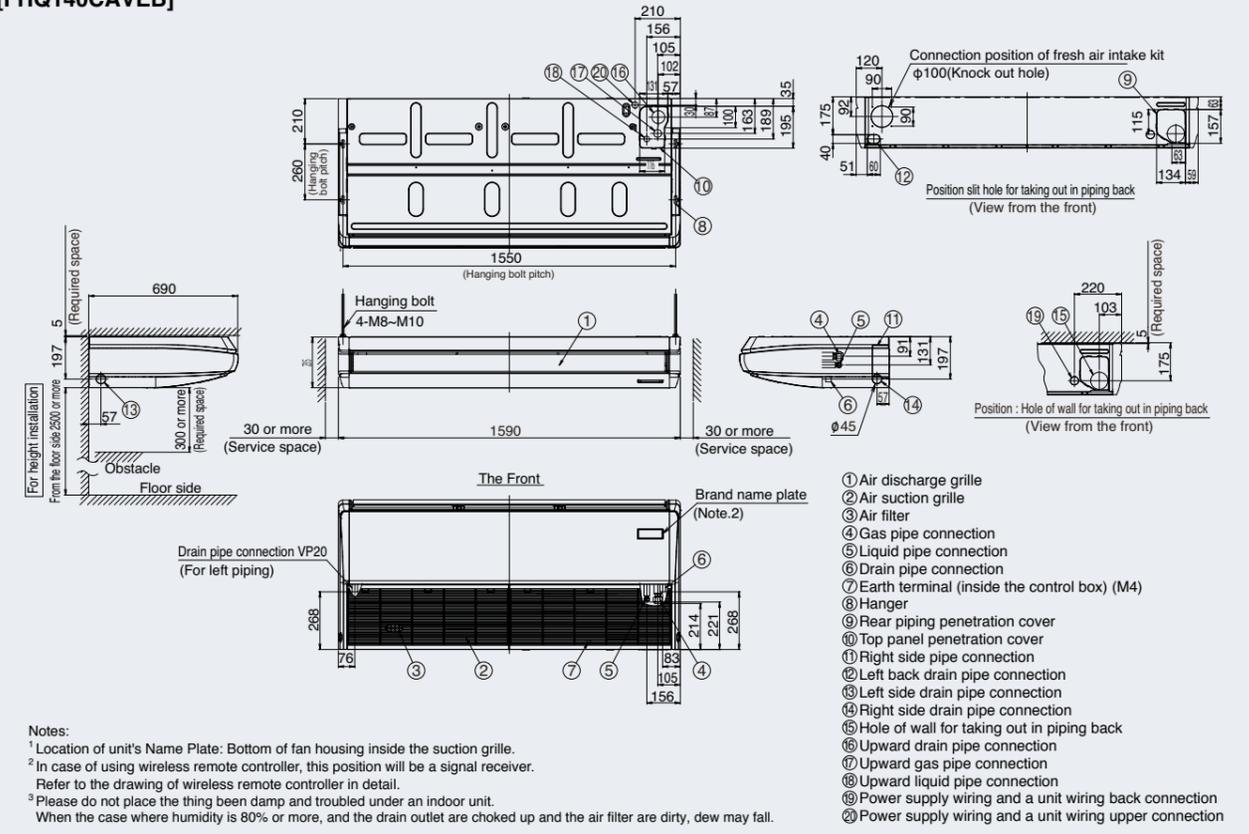
# DIMENSIONS (Unit: mm)

## COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE



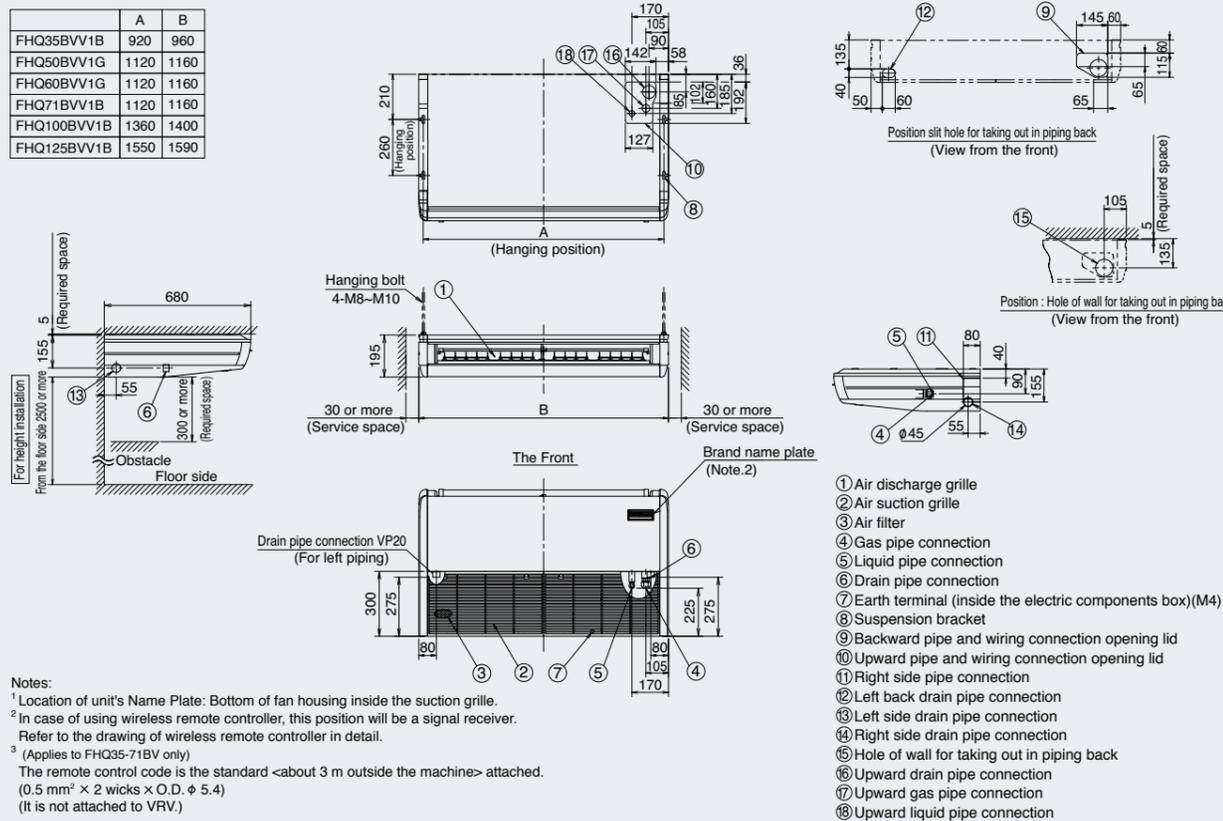
## CEILING SUSPENDED TYPE

### [FHQ140CAVEB]



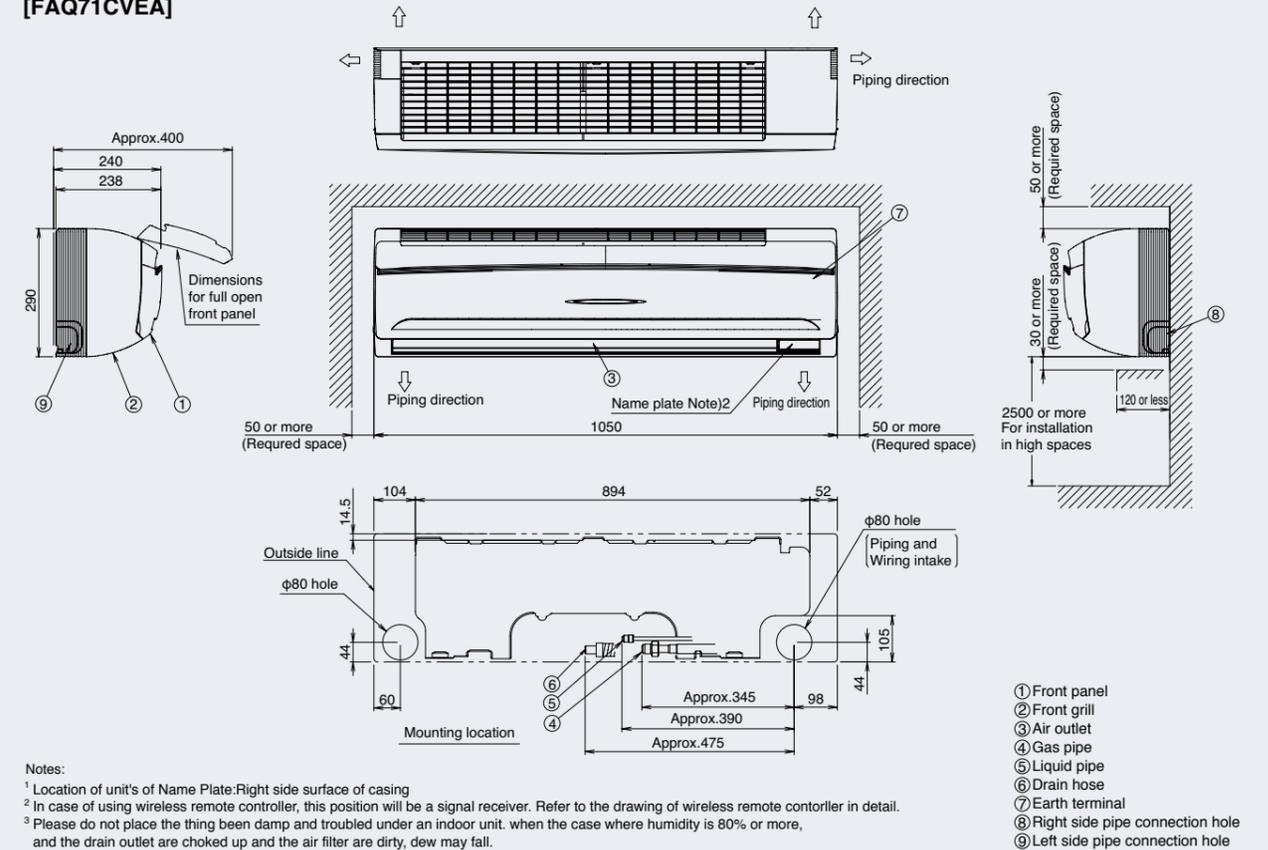
## CEILING SUSPENDED TYPE

### [FHQ35-125BV]



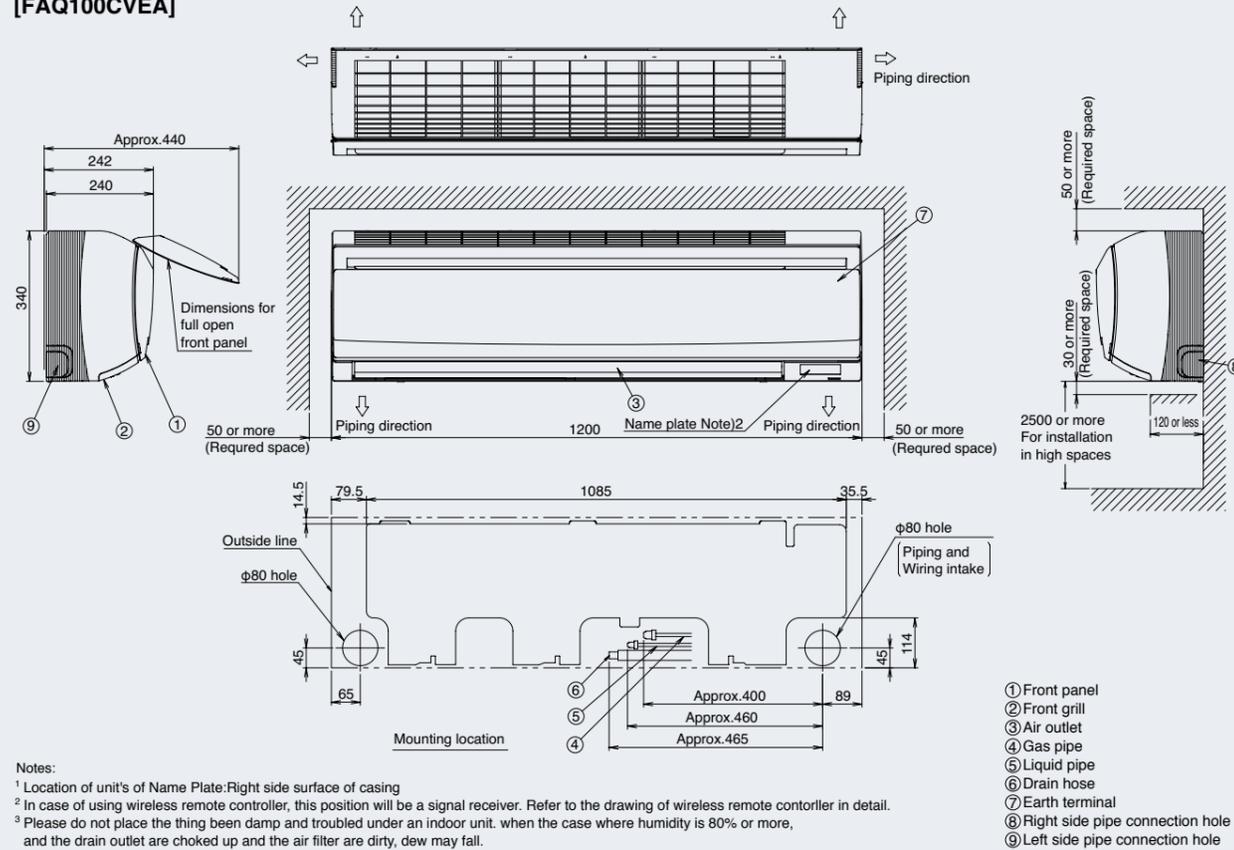
## WALL MOUNTED TYPE

### [FAQ71CVEA]



## WALL MOUNTED TYPE

[FAQ100CVEA]

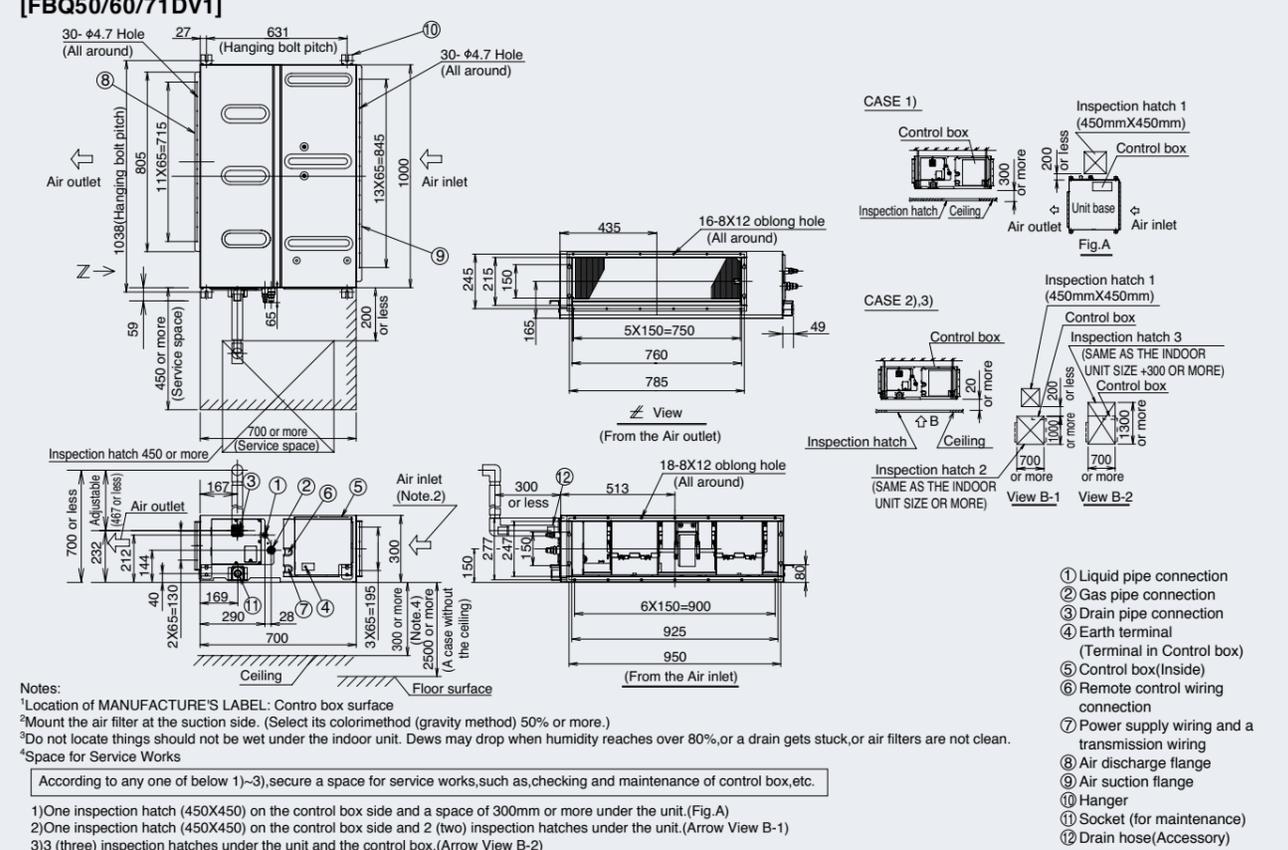


Notes:

- 1 Location of unit's Name Plate: Right side surface of casing
- 2 In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
- 3 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.

## DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ50/60/71 DV1]



Notes:

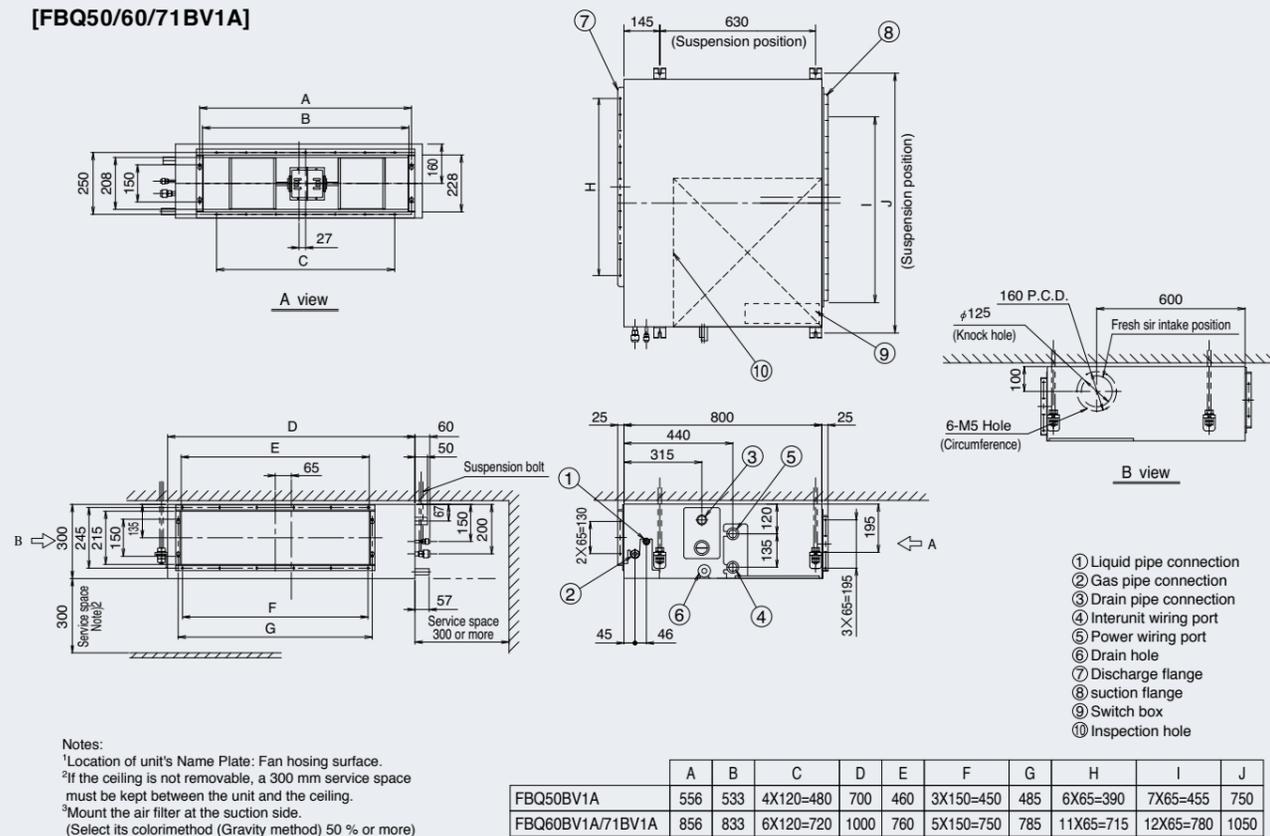
- 1 Location of MANUFACTURE'S LABEL: Control box surface
- 2 Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more.)
- 3 Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.
- 4 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) One inspection hatch (450X450) on the control box side and a space of 300mm or more under the unit. (Fig.A)
- 2) One inspection hatch (450X450) on the control box side and 2 (two) inspection hatches under the unit. (Arrow View B-1)
- 3) 3 (three) inspection hatches under the unit and the control box. (Arrow View B-2)

## CEILING MOUNTED BUILT-IN TYPE

[FBQ50/60/71 BV1A]

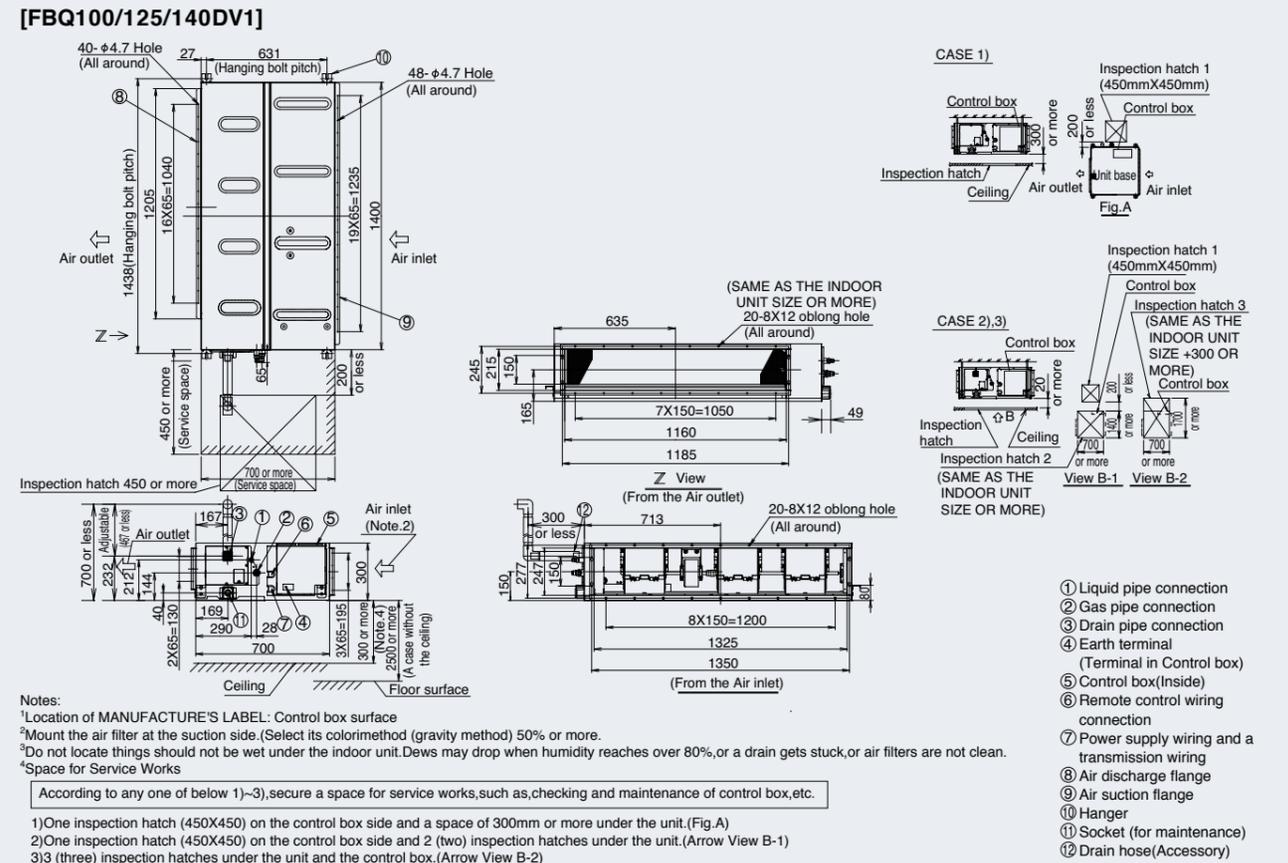


- Notes:
- 1 Location of unit's Name Plate: Fan housing surface.
  - 2 If the ceiling is not removable, a 300 mm service space must be kept between the unit and the ceiling.
  - 3 Mount the air filter at the suction side. (Select its colorimethod (Gravity method) 50% or more)

	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

[FBQ100/125/140DV1]



Notes:

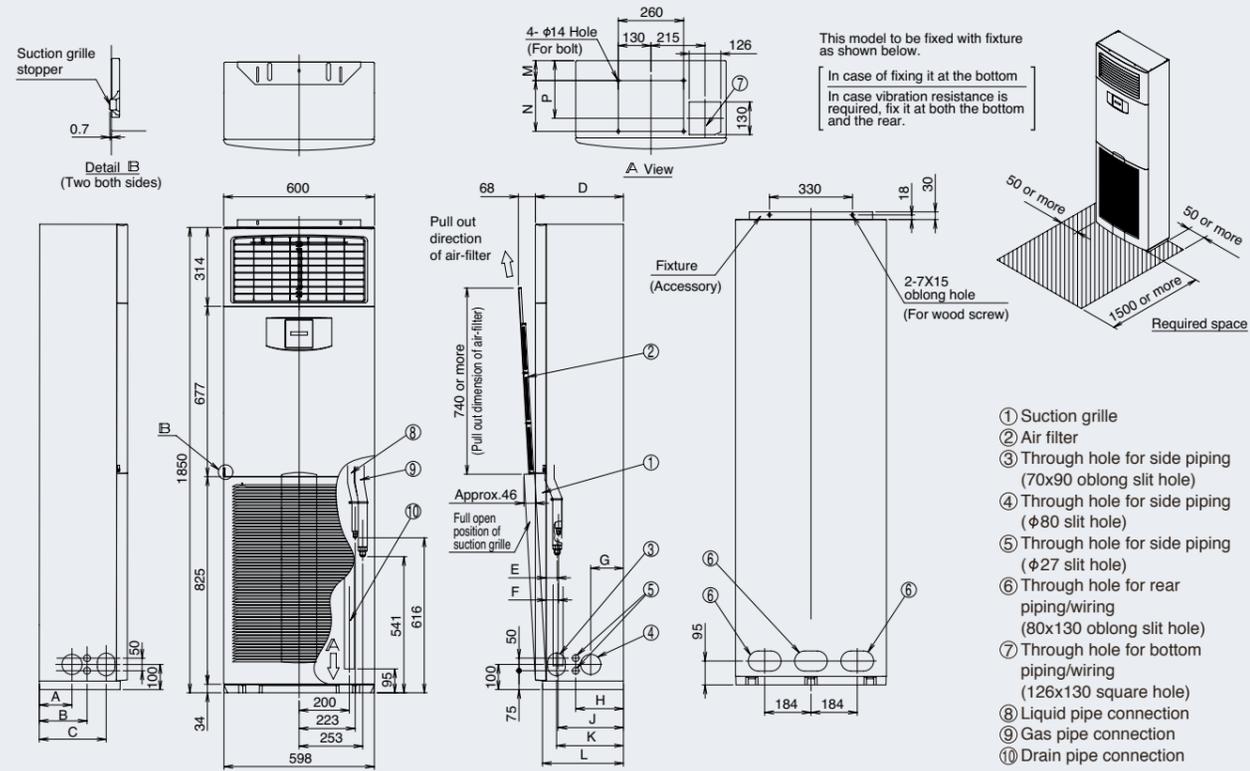
- 1 Location of MANUFACTURE'S LABEL: Control box surface
- 2 Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more.)
- 3 Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.
- 4 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) One inspection hatch (450X450) on the control box side and a space of 300mm or more under the unit. (Fig.A)
- 2) One inspection hatch (450X450) on the control box side and 2 (two) inspection hatches under the unit. (Arrow View B-1)
- 3) 3 (three) inspection hatches under the unit and the control box. (Arrow View B-2)

# DIMENSIONS (Unit: mm)

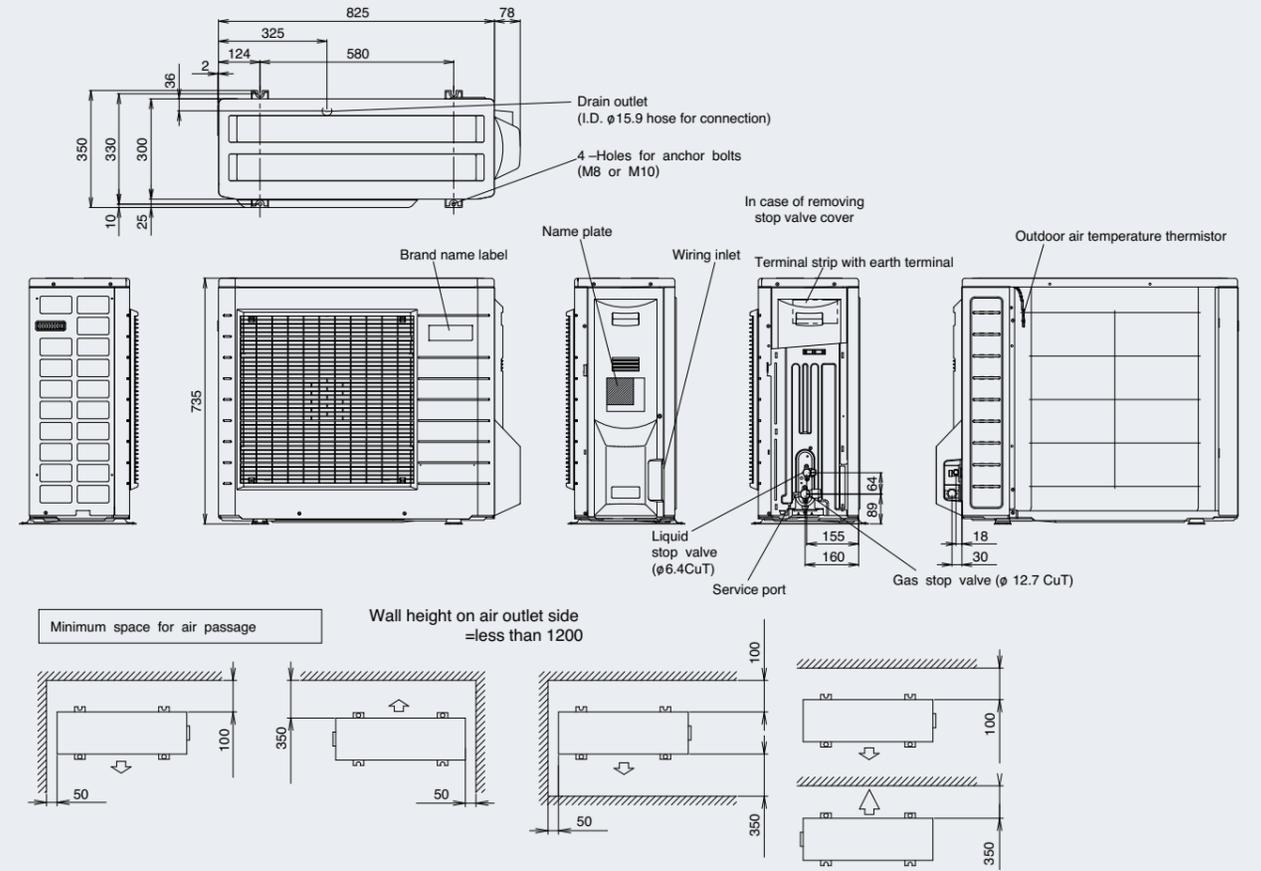
## FLOOR STANDING TYPE



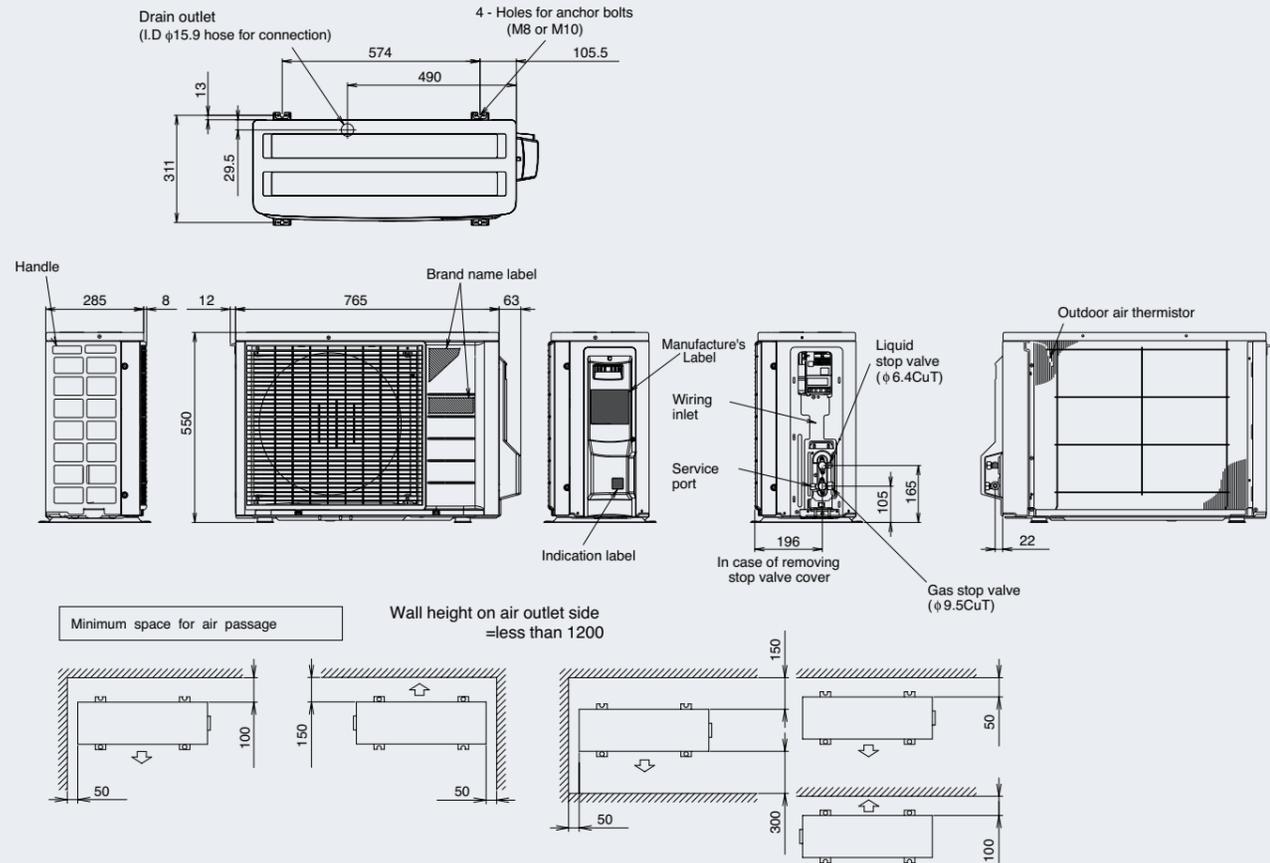
Notes:  
 \*Sticking location for manufacturer's label: on the surface of cover of switch box inside the suction grille.

	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

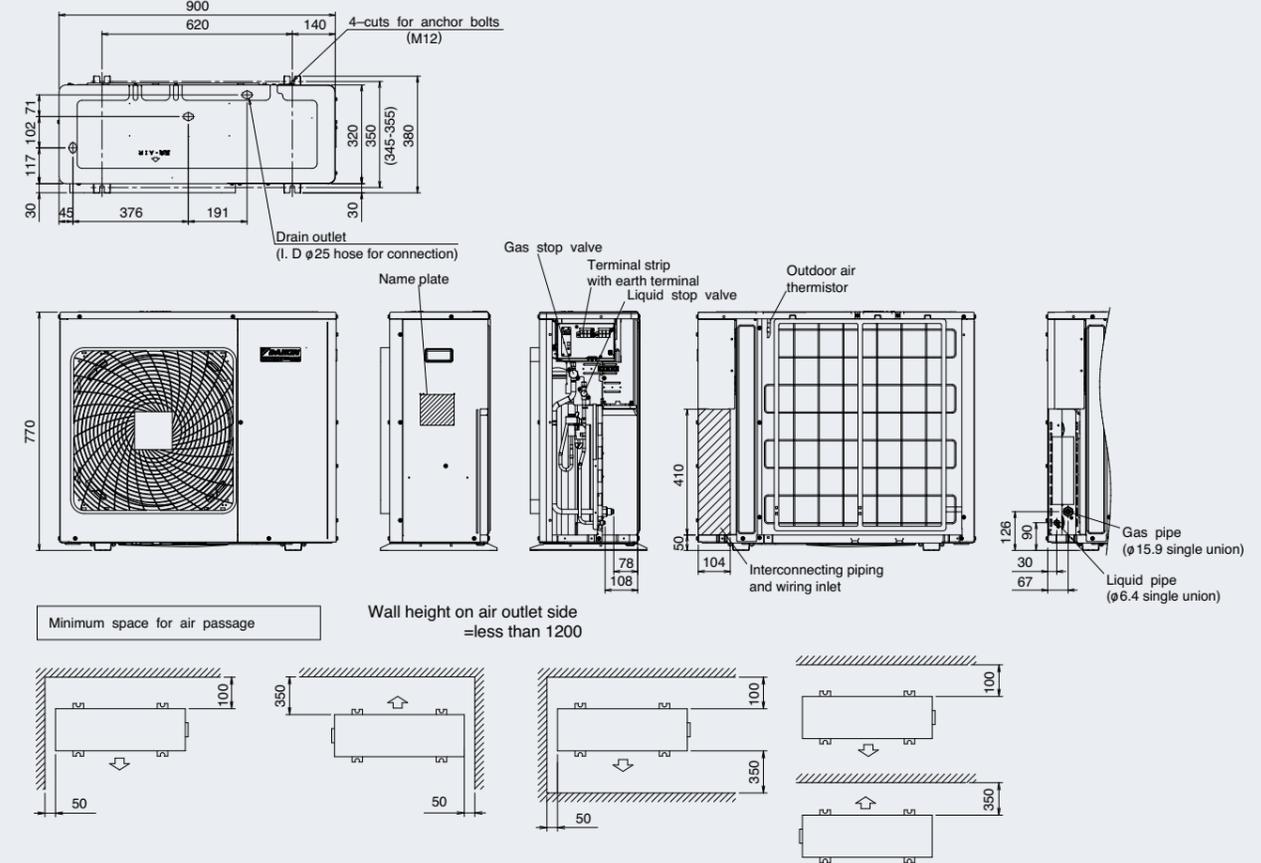
## OUTDOOR UNIT // RXS50FAVMA, RXS60FVMA



## OUTDOOR UNIT // RKS25/35AVMG

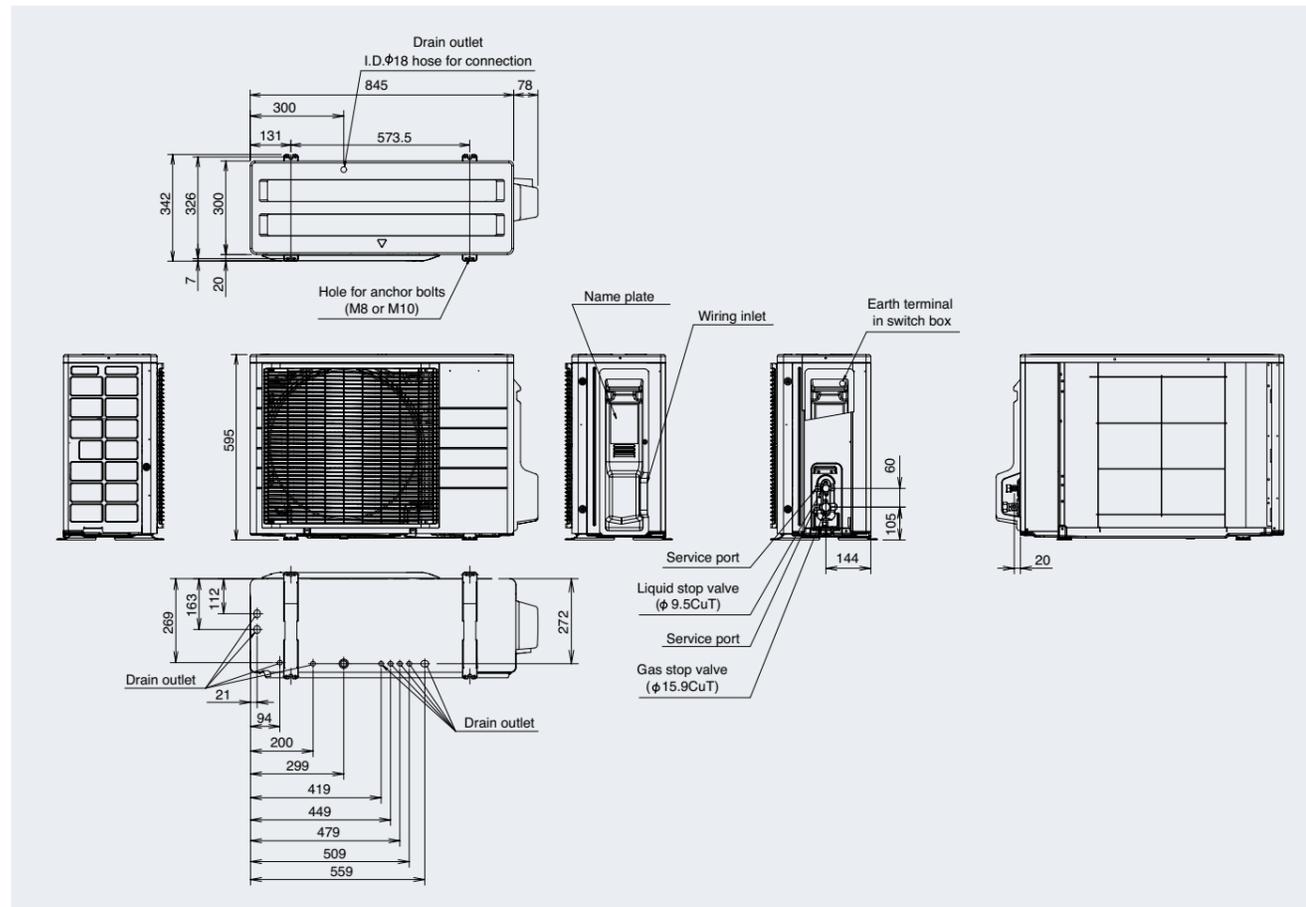


## OUTDOOR UNIT // RXS71FVMA

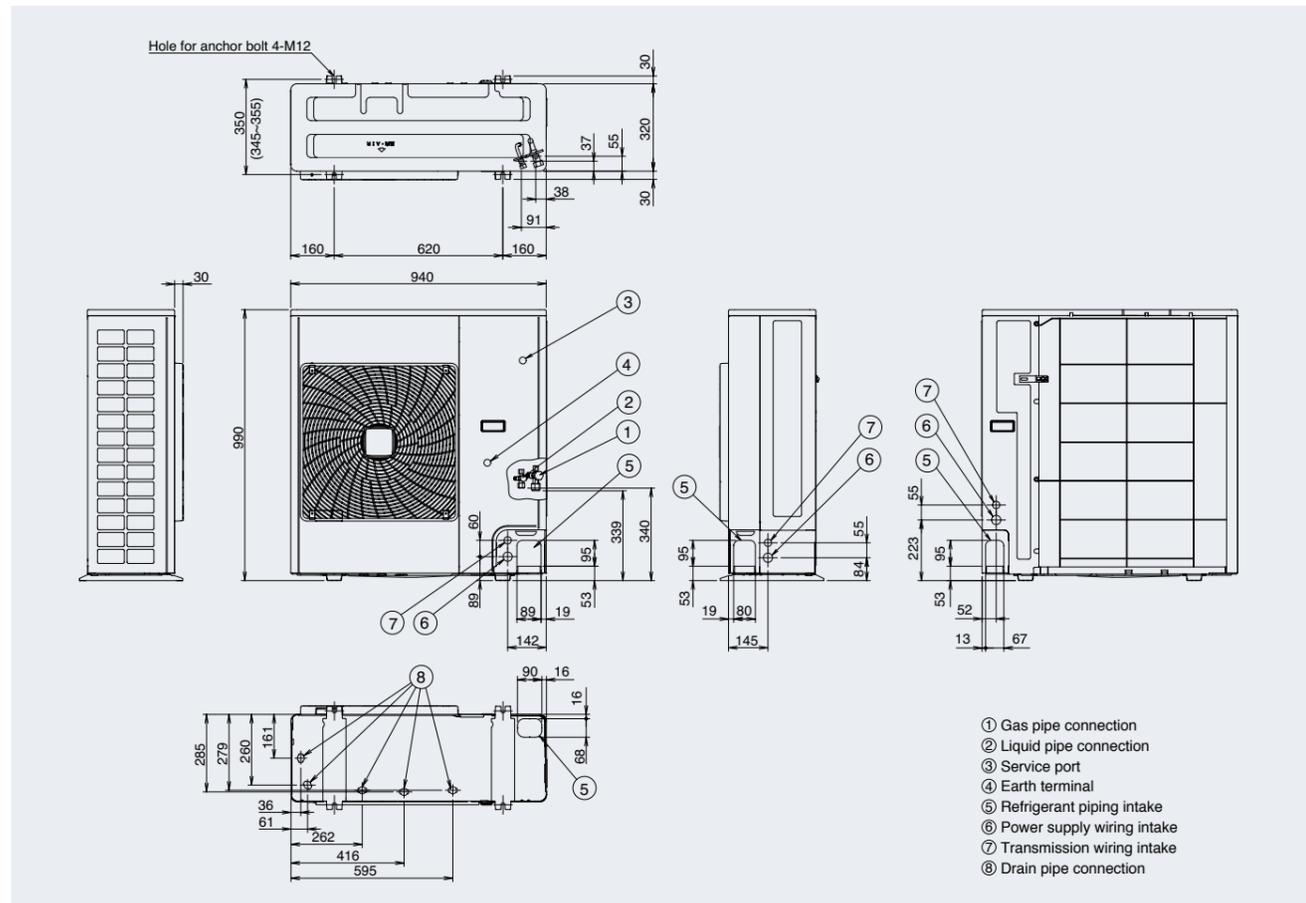


# DIMENSIONS (Unit: mm)

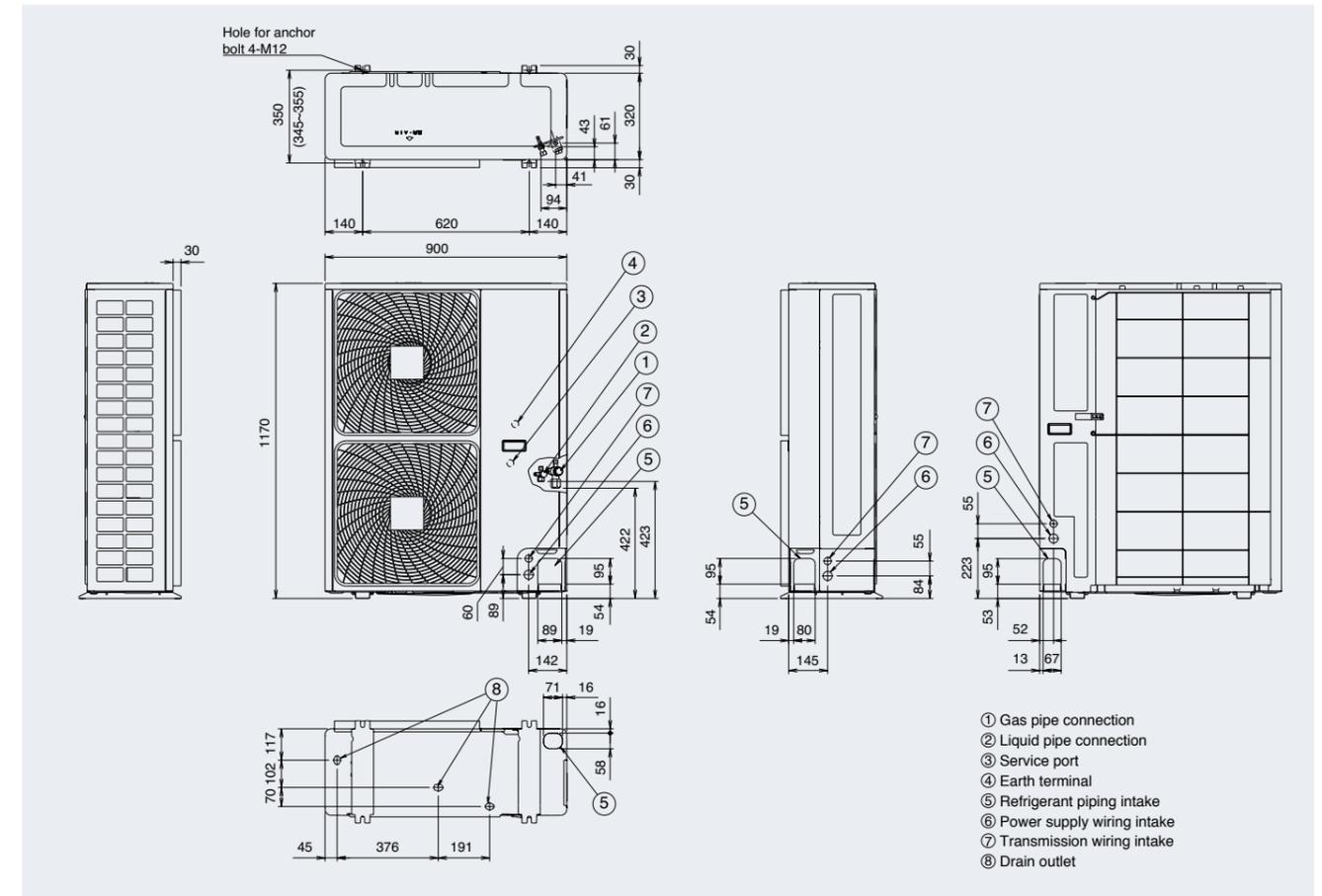
## OUTDOOR UNIT // RZR50/60/71LVVM



## OUTDOOR UNIT // RZR100LVVM



## OUTDOOR UNIT // RZR125/140LVVM, RZR100/125/140LUY1

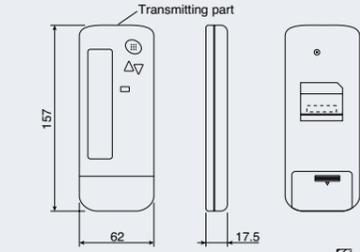


- ① Gas pipe connection
- ② Liquid pipe connection
- ③ Service port
- ④ Earth terminal
- ⑤ Refrigerant piping intake
- ⑥ Power supply wiring intake
- ⑦ Transmission wiring intake
- ⑧ Drain outlet

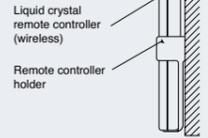
## REMOTE CONTROLLER

### 《Wireless type》

Remote controller dimensions

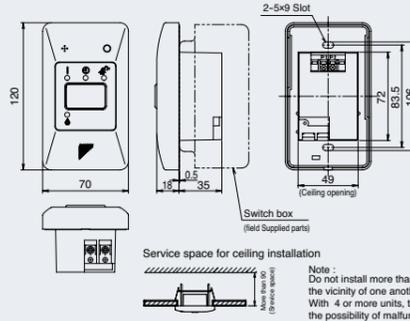


Remote controller holder installation procedure  
-installation to wall surface-



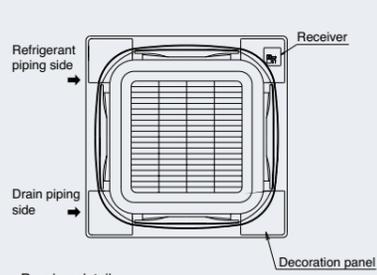
### CEILING MOUNTED BUILT-IN TYPE DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

Receiver detail

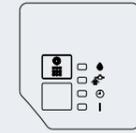


### CEILING MOUNTED CASSETTE TYPE <Round Flow>

Receiver installation procedure

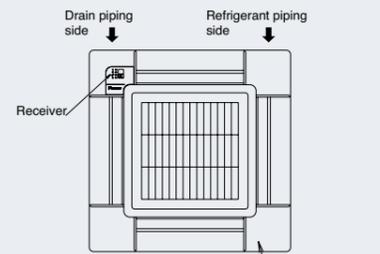


Receiver detail



### COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

Receiver installation procedure

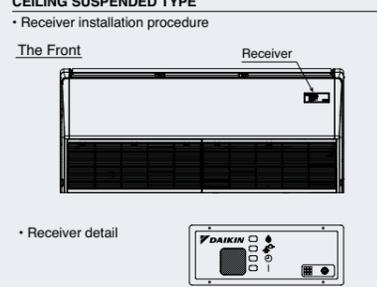


Receiver detail



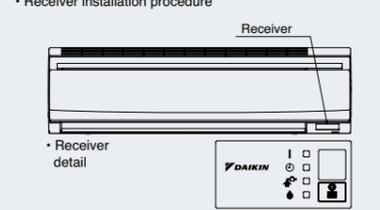
### CEILING SUSPENDED TYPE

Receiver installation procedure



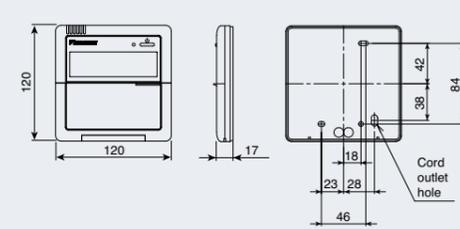
### WALL MOUNTED TYPE

Receiver installation procedure

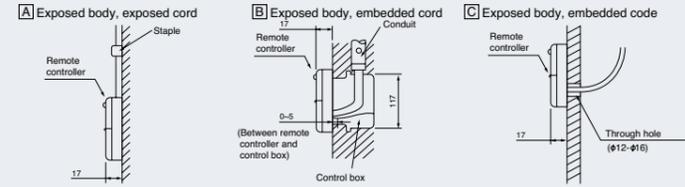


### 《Wired type》 Remote controller dimensions

#### BRC1C61



Installation method

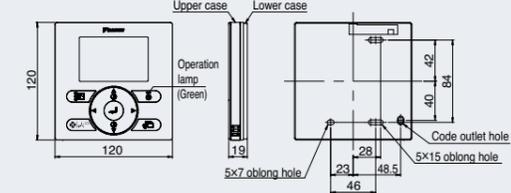


Specifications of cord

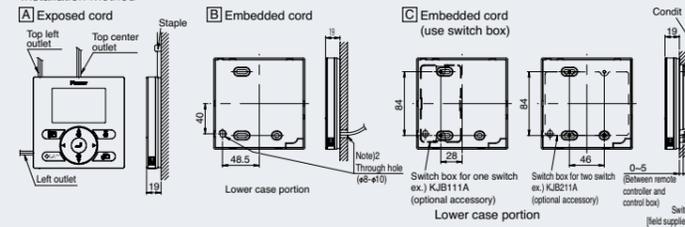
Type	Shield wire (insulated thickness: 1 mm or more)
Size	0.75~1.25 mm <sup>2</sup>
Total length	500 m

Note)  
1. Remote controller cord and staple are not attached. They are field supplied parts.

#### BRC1E62



Installation method



Note)

1. Remote controller cord and staple are not attached. They are field supplied parts.  
2. If the hole size is too large or the location is not proper, the hole may come out from the remote controller.

Specifications of cord

Type	Vinyl cord with sheath or cable (insulated thickness: 1 mm or more)
Size	0.75~1.25 mm <sup>2</sup>
Total length	500 m

# Installation service space for outdoor unit

## For RZR50-140LVVM, RZR100-140LUY1

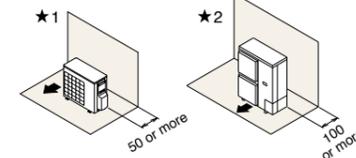
★1.RZR50/60/71LVVM ★2.RZR100-140LVVM, RZR100-140LUY1

### 1) When there is an obstruction on the inlet side

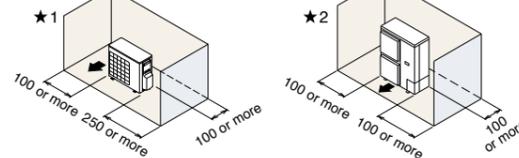
#### 1) When the overhead space is open

##### 1. For single unit installation

When there is an obstruction only on the inlet side

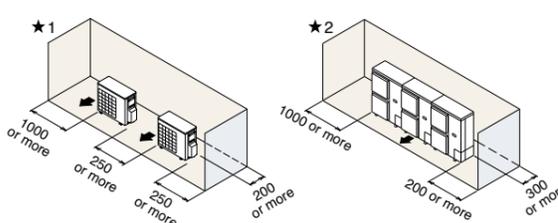


When there are obstructions on both sides



##### 2. For series installation (more than two units)

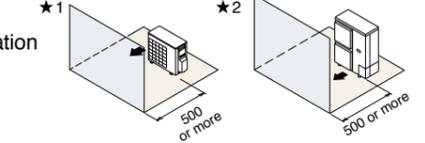
When there are obstructions on both sides



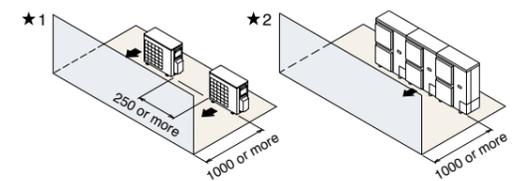
### 2) When there is an obstruction on the outlet side

#### 1) When the overhead space is open

##### 1. For single unit installation

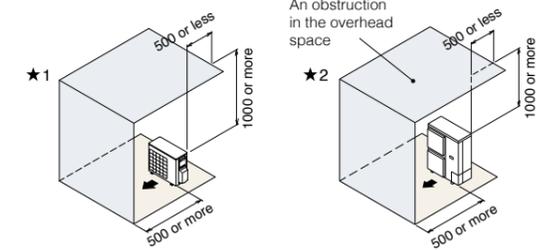


##### 2. For series installation (more than two units)

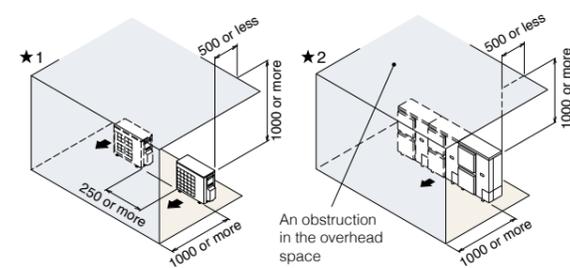


#### 2) When there is an obstruction in the overhead space

##### 1. For single unit installation



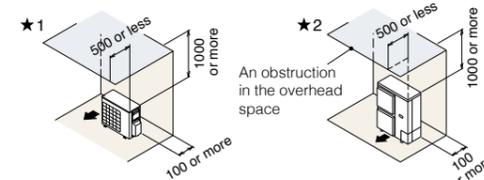
##### 2. For series installation (more than two units)



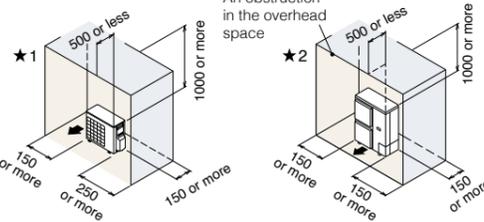
### 2) When there is an obstruction in the overhead space

#### 1. For single unit installation

When there is an obstruction on the inlet side

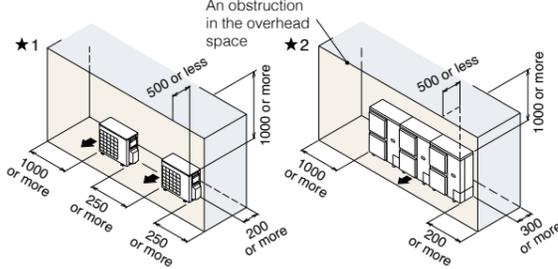


When there are obstructions on the inlet side and both lateral sides



#### 2. For series installation (more than two units)

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



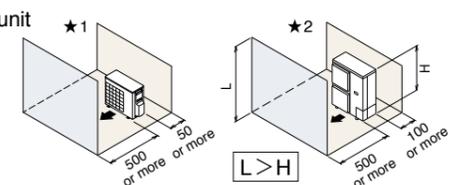
### 3) When there are obstructions on both the inlet and outlet sides

(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)

