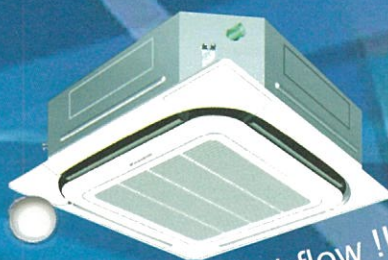


**DAIKIN**

PCSSGID0814F

# SkyAir



360° airflow !!

**ROUND FLOW**

AIR CONDITIONING SYSTEM  
COOLING ONLY [50Hz]

**Super Inverter**

**R-410A**
















Economy and comfort are essential to store and office air conditioning.

## Wide selection with the inverter series

Our varied lineup meets customer needs when it comes to functions and indoor unit types.













## Product Lineup

Series		25	35	50	60
<b>CEILING MOUNTED CASSETTE TYPE</b> 〈Round Flow〉 	Indoor unit			<b>NEW</b> 	
	Outdoor unit			RZR50LUV14	RZR60LUV14
<b>CEILING SUSPENDED TYPE</b>	Indoor unit			<b>NEW</b> 	
	Outdoor unit			RZR50LUV14	RZR60LUV14
<b>DUCT CONNECTION MIDDLE/HIGH STATIC PRESSURE TYPE</b>	Indoor unit			<b>NEW</b> 	
	Outdoor unit			RZR50LUV14	RZR60LUV14
<b>FLOOR STANDING TYPE</b>	Indoor unit				
	Outdoor unit				
				<b>Super Inverter</b>	
				<b>NEW</b> 	<b>NEW</b> 
				RZR50LUV14	RZR60LUV14
Series		25	35		
<b>COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE</b> 	Indoor unit	FFQ25BV1B4	FFQ35BV1B4		
	Outdoor unit	RKS25AVMG4	RKS35AVMG4		
<b>CEILING SUSPENDED TYPE</b> 	Indoor unit		FHQ35BV1B4		
	Outdoor unit		RKS35AVMG4		
		<b>INVERTER</b>			
					
		RKS25AVMG4	RKS35AVMG4		
OUTDOOR UNIT					





**SkyAir**

71	100	125	140
<b>NEW</b>  FCQ71LUV14 RZR71LUV14	FCQ100LUV14 RZR100LUV14	<b>NEW</b>  FCQ125LUV14 RZR125LUV14	FCQ140LUV14 RZR140LUV14
 FHQ71BV1B4 RZR71LUV14	FHQ100BV1B4 RZR100LUV14	 FHQ125BV1B4 RZR125LUV14	
<b>NEW</b>  FBQ71DV14 RZR71LUV14	FBQ100DV14 RZR100LUV14	<b>NEW</b>  FBQ125DV14 RZR125LUV14	FBQ140DV14 RZR140LUV14
<b>NEW</b>  FVQ71CWEB4 RZR71LUV14	FVQ100CWEB4 RZR100LUV14	<b>NEW</b>  FVQ125CWEB4 RZR125LUV14	FVQ140CWEB4 RZR140LUV14
Super Inverter			
<b>NEW</b>  RZR71LUV14	<b>NEW</b>  RZR100LUV14	<b>NEW</b>  RZR125LUV14	<b>NEW</b>  RZR140LUV14

Page 5

Page 11

Page 13

Page 15

OUTDOOR UNIT

Page 9

Page 11



# Energy saving

## Wider lineup of high COP models

Super Inverter

### CEILING MOUNTED CASSETTE TYPE

<Round Flow>



COP

50Hz

**NEW** 3.84 (FCQ50LUV14)

### CEILING SUSPENDED TYPE



**NEW** 3.60 (FVQ50BVV1G4)

### DUCT CONNECTION MIDDLE/HIGH STATIC PRESSURE TYPE



**NEW** 3.60 (FBQ50DV14)

### FLOOR STANDING TYPE

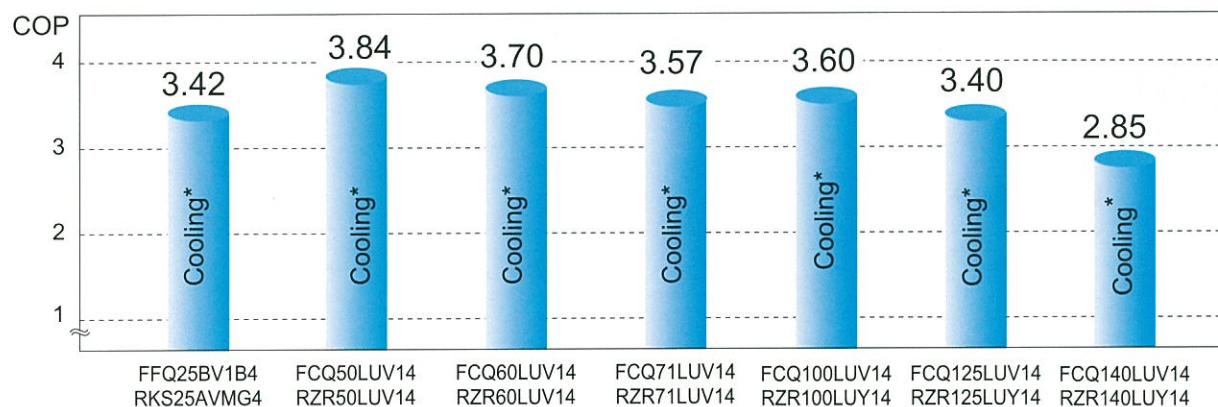


**NEW** 3.05 (FVQ100CVEB4)

INVERTER

Super Inverter

## Achieved higher COP



### 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.

Note :

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



# Round Flow cassette

Super Inverter

## Comfortable airflow

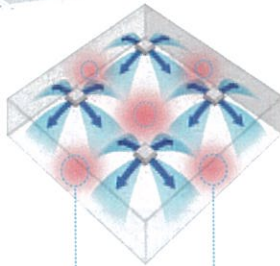
360° airflow with improved temperature distribution.



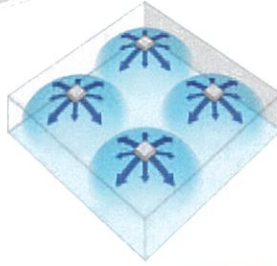
Conventional  
4-way flow type



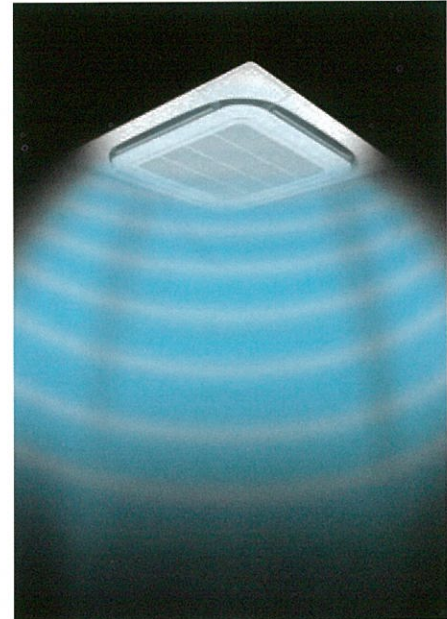
Round Flow type



4-way flow leaves areas  
that cannot be covered.



360° airflow  
realises uniform  
airflow distribution.



# Comfortable

Super Inverter

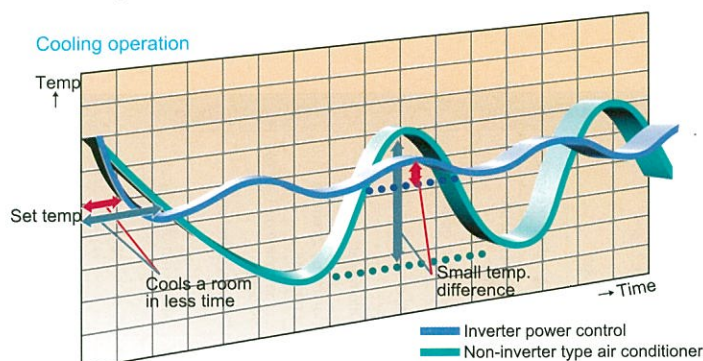
INVERTER

## Enhanced comfort with Inverter

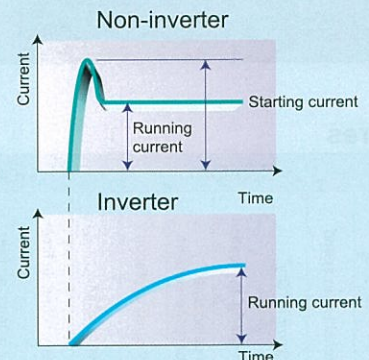
Inverter performs variable control of frequency, which determines air conditioner's power performance.

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.



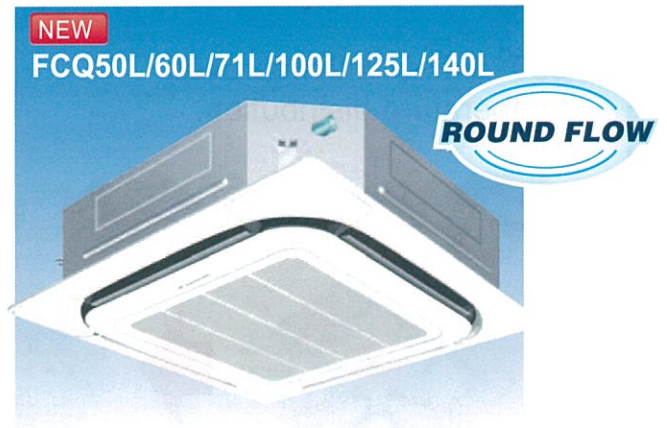
Soft starter is unnecessary, making electrical installation work much simpler.



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



# Uniform 360° airflow cassette air conditioner is setting tomorrow's standards.



## Wired LCD remote controller



**BRC1C62**

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

### Option

Accessory required for indoor unit

## Wireless LCD remote controller

A signal receiver must be added to the indoor unit.



**BRC7F632F**



Signal receiver unit  
(Installed type)

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

## Wired LCD remote controller with weekly schedule timer



**BRC1D61**

## Navigation Remote Controller (Wired Remote Controller)



**BRC1E62**

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

## Features

Comfort										Cleanliness	Work & Servicing						Control features				Options		Others																																		
●	Auto swing	●	Swing pattern selection	●	Switchable fan speed	●	Programme "Dry"	●	High ceiling application	*1	Two selectable temperature-sensors	*2	Night quiet operation	●	Timer selector	*3	Weekly schedule timer	●	Anti-bacterial air filter	●	Silver ion anti-bacterial drain pan	●	Drain pump mechanism	*2	Pre charged for up to 30 m	●	Long-life filter	●	Filter sign	●	Ceiling soiling prevention	*2	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	●	Ultra long-life filter	●	High-efficiency filter	●	Fresh air intake kit	*2	Anti corrosion treated heat exchangers

\*1Applicable when wired remote controller is used

\*2For the outdoor units

\*3Applicable when BRC1D61 or BRC1E62 is used



- Avoids uneven temperature and discomfort caused by drafts.

## Comfort enhanced by Round Flow!

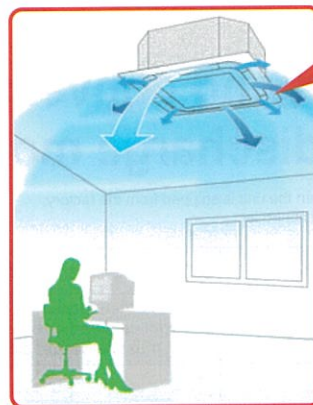
- 360° airflow

- Air movement is gentle with Round Flow

## With uniform temperature distribution Enhanced Comfort



Airflow distribution  
Creates uniform comfort throughout the space

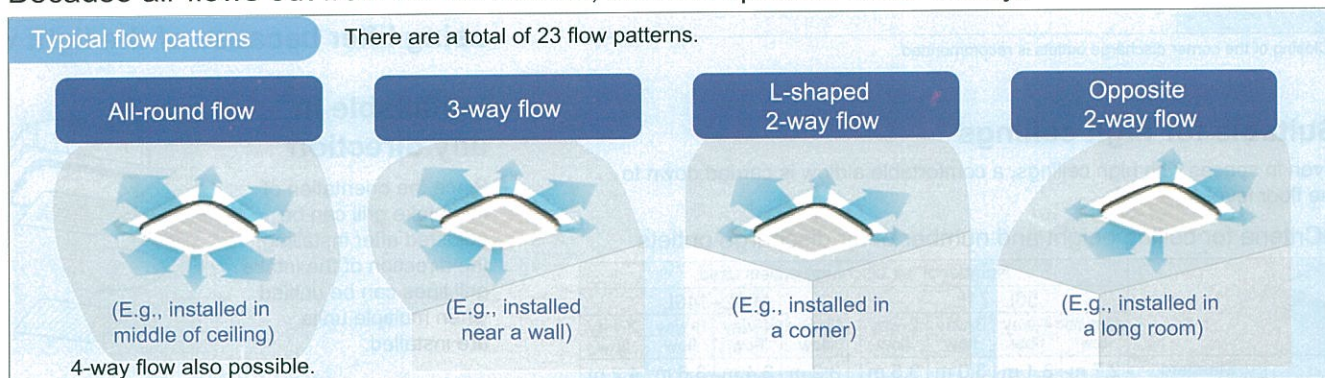


360° airflow can maintain comfort even if air discharge speed is lower.

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.

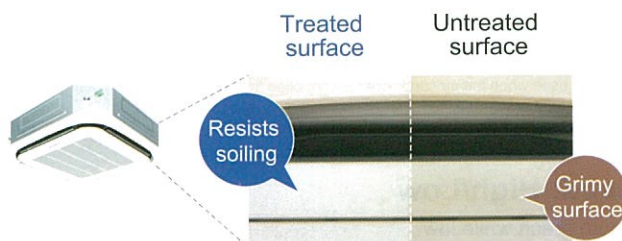


Note: Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing member (option) must be used to close each unused outlet.  
Operation sound increases when using 2-way or 3-way flow.

- Grime prevention and bactericidal coating: Make cleaning easier.

## External panels are treated with a coating that repels dirt.

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



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

- Bactericidal treatment for drain pan

Anti bacterial treatment, that includes silver ions is used which may assist in preventing the growth of microorganisms that cause smells and clogging.

- Non-flocking horizontal louvres

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

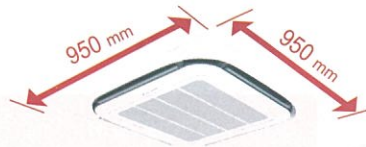
- Filter has anti-mould and bactericidal treatment

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, FCQ50-140K. It is easy to maintain a neat appearance when multiple units are installed.



Same for all models

## Compact body and quiet operation

Indoor unit	High	Low
50L	35	28
60L	35	28
71L	35	28
100L	43	32
125L	44	34
140L	44	36

dB(A)

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

		Number of air discharge outlets used							
		50L-71L				100L-140L			
Ceiling height	Standard	All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
	High ceiling ①	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 ②	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m
		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.

## Two selectable temperature-sensors

Both indoor unit and wired remote controller (option BRC1D61, BRC1E91) 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

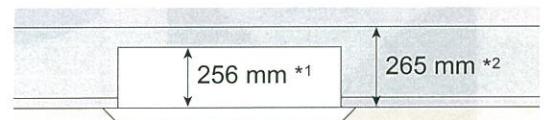
High setting provides maximum reach while low setting minimises drafts.

## Timer selector

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 (50K-71K)



\*1 298 mm high with 100K-140K

\*2 303 mm high with 100K-140K

## Easy height adjustment

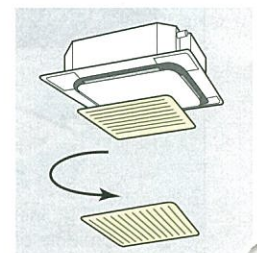
Each corner of the unit has an Adjuster Pocket that lets you easily adjust the unit's suspended height.

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

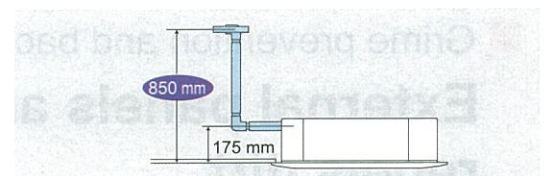
- All models can be installed without using lifter because of the light weight.

## 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.



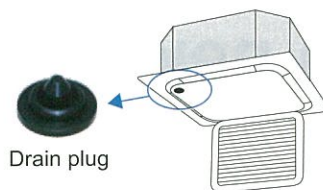
- Easier connection with the centralised control system

- 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.



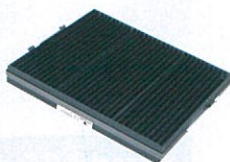
Just open the intake grille!

- 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)  $\approx$  15 hr/day x 28 day/month x 12 month/year

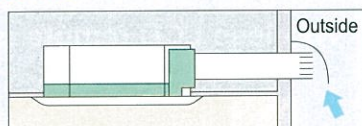
Ordinary store or office: filter change every 4 years  
\*For dust concentration of 0.15 mg/m<sup>3</sup>  
4 years (Approx. 10,000 hr)  $\approx$  8 hr/day x 25 day/month x 4 years

### High-efficiency filter

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

### Fresh air intake kit

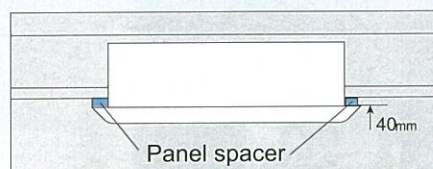
Using this kit, a duct can be fitted to increase the intake of outdoor air.



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 member of air discharge outlet

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

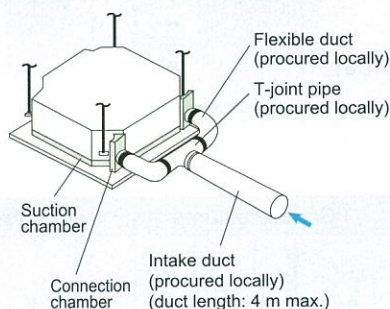
### Branch duct (direct-connection round duct)

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.

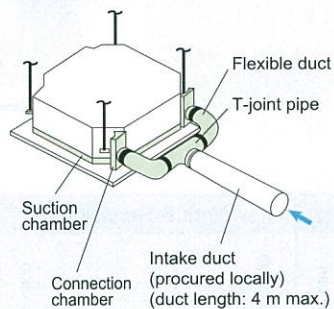
Chamber type  
(without T-joint pipe and fan)

KDDP55B160



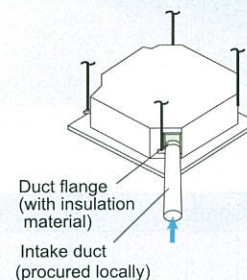
Chamber type  
(with T-joint pipe and without fan)

KDDP55B160K



Direct installation type

KDDP55X160



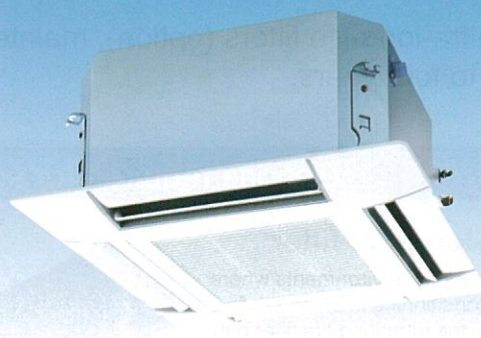
Note: Use of options will increase operating sound.



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



FFQ25B/35B



## Wired LCD remote controller

**BRC1C62**

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

### Option

Accessory required for indoor unit

## 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.

## Wired LCD remote controller with weekly schedule timer

**BRC1D61**

## Navigation Remote Controller (Wired Remote Controller)

**BRC1E62**

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

## Features

Comfort							Cleanliness		Work & Servicing					Control features						Option	Others
Auto swing	Swing pattern selection	Switchable fan speed	Programme "Dry"	Two selectable temperature-sensors	Timer selector	Weekly schedule timer	Anti-bacterial air filter	Mould-proof drain pan	Drain pump mechanism	Pre charged for up to 10 m	Long-life filter	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	Fresh air intake kit	Anti corrosion treated heat exchangers
●	●	●	●	*1	●	*2	●	●	●	*3	●	●	●	●	●	●	●	●	●	●	*3

\*1Applicable when wired remote controller is used

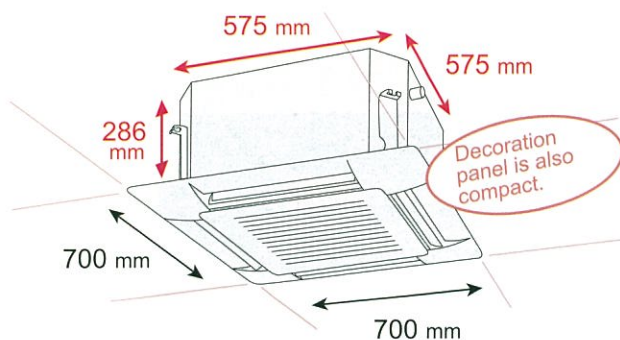
\*2Applicable when BRC1D61 or BRC1E62 is used

\*3For the outdoor units

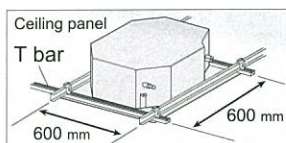


## Compact

- Sized to fit inside 600mm wide ceiling grids



- Fits without the need to cut T-bar grid



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



## Quiet

- Quiet, small-diameter fan

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



Spiral hub cover →

Indoor unit	High	Low
25B	29.5	24.5
35B	32	25

dB(A)

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



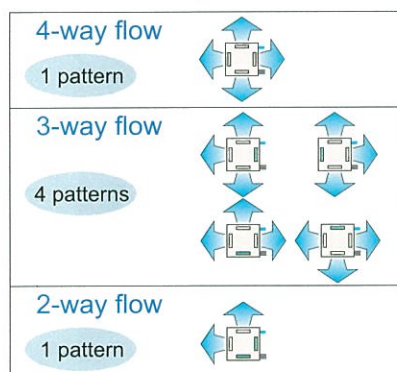
- Consistent comfort throughout

- 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.

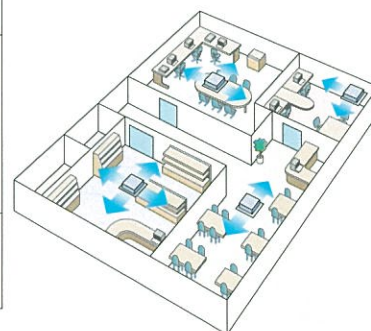
- Multi-Flow System



"■" 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

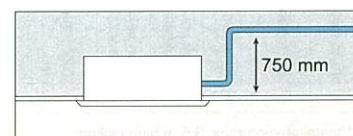
Both indoor unit and wired remote controller (option BRC1D61, BRC1E01) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.

\*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.





# Quiet and compact system.



FHQ35BVV1B  
FHQ50/60BVV1G **NEW**  
FHQ71/100/125BV1B



## Wired LCD remote controller



**BRC1C62**

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

## Option

Accessory required for indoor unit

## Wireless LCD remote controller

A signal receiver must be added to the indoor unit.



**BRC7EA66**



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

## Wired LCD remote controller with weekly schedule timer



**BRC1D61**

## Navigation Remote Controller (Wired Remote Controller)



**BRC1E62**

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

## Features

Features																							
Comfort								Cleanliness	Work & Servicing							Control features					Others		
●	●	●	*1	*2	*3	●	*4	●	*5	*3	*6	●	●	*3	*3	●	●	●	●	●	●	*7	
Auto swing	Switchable fan speed	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Night quiet operation	Timer selector	Weekly schedule timer	Anti-bacterial air filter	Drain pump mechanism	Pre charged for up to 30 m	Pre charged for up to 10 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Anti corrosion treated heat exchangers

\*1 Installable on max. 3.5 m high ceiling

\*2 Applicable when wired remote controller is used

\*3 Applicable to RZR outdoor units

\*4 Applicable when BRC1D61 or BRC1E62 is used

\*5 Option

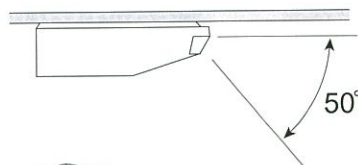
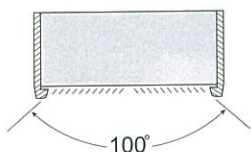
\*6 Applicable to RKS outdoor units

\*7 For the outdoor units

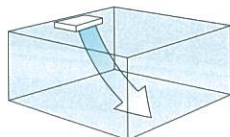


## Diffuses comfortable air throughout the room

- Auto-swing (up&down) brings comfort to the room.
- Wide air discharge openings produce a spreading 100° airflow
- Air is blown up to 50° in the downward direction.



- Installable on ceilings 3.5 m high



- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option BRC1D61, BRC1E1) 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/Middle/Low

- Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

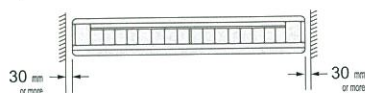
## Installation flexibility for freedom of design

- Uniform height and depth. Compact design for small-capacity models to meet tighter dimensional constraints.

Indoor unit	35BVV1B	50/60BVV1G 71BV1B	100BV1B	125BV1B
Height	195			
Width	960	1,160	1,400	1,590
Depth	680			

- Flexible installation

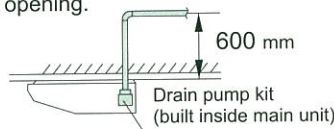
The unit fits more snugly into tight spaces.



\*Water used in the test-run can now be drained from the air discharge opening rather than from the side as was formerly the case.

- Drain pump kit (option) can be easily incorporated

Drain pipe connection can be done inside the unit. Refrigerant and drain pipe outlets are at the same opening.



- All wiring and internal servicing can be done from under the unit

- Pipes more easily rigged, too

Plastic panels are used to conceal piping holes. Holes can be easily punched out without requiring special tools.

- Low gas pressure detection

(Applicable to RZR71LU, 100LU, 125LU, 140LU, outdoor units)

## Quiet operation

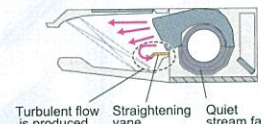
- Sound operation has been reduced on the exposed ceiling suspended type unit.

dB(A)

Indoor unit	High	Low
35BVV1B	37	32
50BVV1G	39	35
60BVV1G	39	35
71BV1B	39	35
100BV1B	42	37
125BV1B	44	39

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.



## Easier to maintain

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

\* 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-dew flap without bristles

Absence of bristles minimises clinging dirt and simplifies cleaning.



- Easy-clean, flat surfaces

It is easy to wipe dirt off the flat side and lower surfaces of the unit.

- For all maintenance tasks, access is from bottom surface.

## Oil resistant grille

- Oil-resistant plastic is used for the air discharge 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.



# Flexible use of space is made possible using ducts to create a room filled with comfort.



## Wired LCD remote controller



**BRC1C62**

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

## Option

Accessory required for indoor unit

## 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.

## Wired LCD remote controller with weekly schedule timer



**BRC1D61**

## Navigation Remote Controller (Wired Remote Controller)



**BRC1E62**

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

## Features

Comfort						Cleanliness		Work & Servicing						Control features						Option	Others	
Switchable fan speed	Programme "Dry"	Two selectable temperature-sensors	Night quiet operation	Timer selector	Weekly schedule 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	High efficiency filter option	Anti corrosion treated heat exchangers
●	●	*1	*2	●	*3	*4	●	●	*2	*4	●	*2	●	●	●	●	●	●	●	●	●	*2

\*1Applicable when wired remote controller is used

\*2For the outdoor units

\*3Applicable when BRC1D61 or BRC1E62 is used

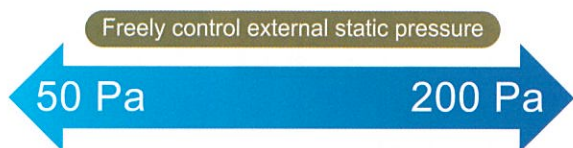
\*4Option



## 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.

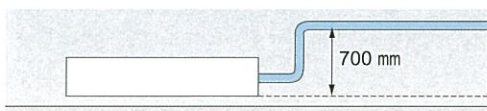
## Thin, lightweight indoor unit makes delivery and installation easy.

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



Indoor unit	50D	60D	71D	100D	125D	140D
Height (mm)	300					
Width (mm)	1,000			1,400		
Depth (mm)	700					
Machine Weidth (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  $\pm 10\%$  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

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

dB(A)

## Easy maintenance

Maintenance is easy because the drain pan can be removed.

## Clean

- **Bactericidal treatment for drain pan**

Anti bacterial treatment, that includes silver ions is used which may assist in preventing the growth of microorganisms that cause smells and clogging.

## Comfortable

- **Two selectable temperature-sensors**

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

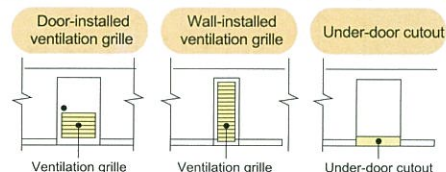
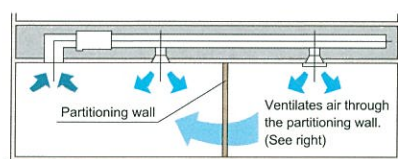
This feature requires initial setting by the installer.

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

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

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

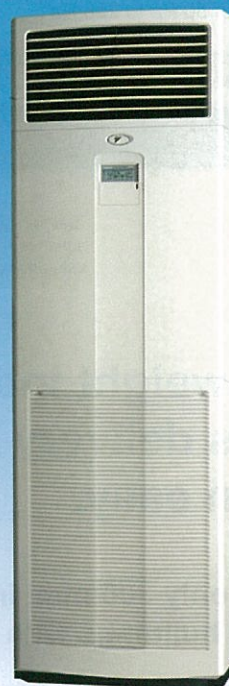
When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the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



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



# Comfort through New airflow control


FVQ71/100/125/140C **NEW**


## Option

Accessory required for indoor unit

## Navigation Remote Controller

(Wired Remote Controller)


**BRC1E62**

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

## Features

Features	Comfort											Cleanliness	Work & Servicing					Control features						Others		
	Auto swing	Independent up-and-down airflow	Switchable fan speed (3 step)	High fan speed mode	Programme "Dry"	Two selectable temperature-sensors	Hot start (after defrost)	Year-round cooling applicable	Night quiet operation	Timer selector	Weekly schedule 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	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Anti corrosion treated heat exchangers
Cooling only	●	●	●	*1	●	*2	—	—	*3	●	*4	●	*3	●	●	*3	●	●	●	—	●	●	●	●	●	*3
Heat pump	●	●	●	*1	●	*2	●	●	*3	●	*4	●	*3	●	●	*3	●	●	●	●	●	●	●	●	●	*3

Note:

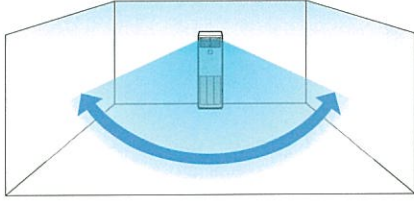
\*1 Applicable for FVQ71/100 \*2 Applicable when wired remote controller is used \*3 For outdoor units \*4 Applicable when BRC1E62 is used



## ■ New comfortable airflow control

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

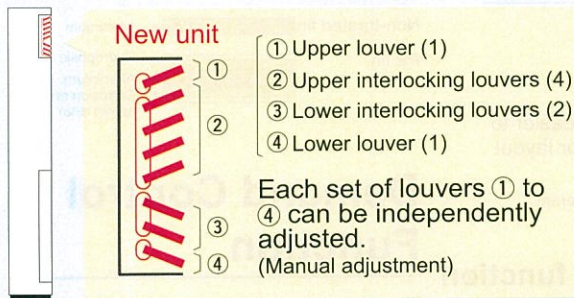
- Choose between auto swing and fixed airflow using the remote controller.



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

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

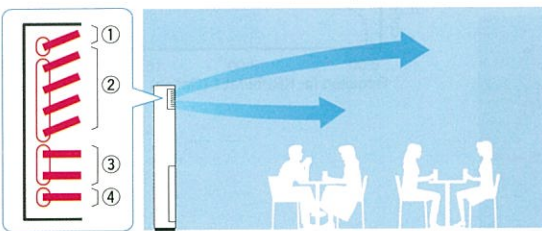
Freely select both up and down airflow direction with 8-louver (horizontal blade) operation.



#### 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

- **High fan speed mode** (only FVQ71/100)

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.)

- **Switchable fan speed: High/Middle/Low**
- **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

	dB(A)			
Indoor unit	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.

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

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

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

- **Employs a safety lock function of suction grill.**

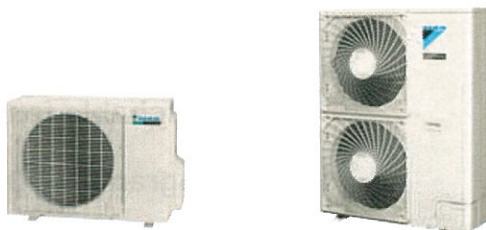
The grill will not open even upon impact.

- **Easier connection with the centralised control system.**



**Super Inverter**

# New Compact Outdoor unit



**NEW** RZR50LUV14  
**NEW** RZR60LUV14  
**NEW** RZR71LUV14

**NEW** RZR100LUY14  
**NEW** RZR125LUY14  
**NEW** RZR140LUY14

## 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

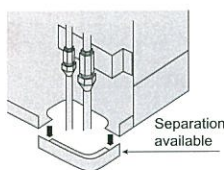
#### ■ Allowed refrigerant piping length and level difference

	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

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.

## Durability

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

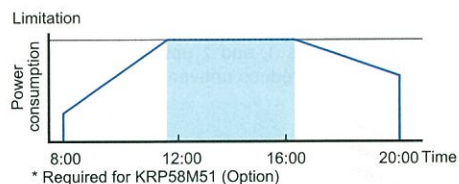
Heat exchange fins provided with anti-corrosion treatment

Construction

Non-treated fin	← Aluminium
PE fin	← Hydrophilic film ← Aluminium ← Corrosion resistant acrylic resin

## Demand Control Function

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



## Night time quiet operation function

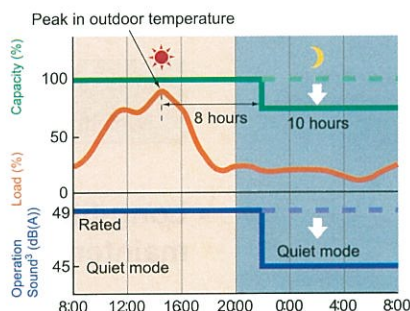
The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

★ Reducing noise will reduce capacity slightly.

	Sound level <sup>1</sup> (dB(A))	
	Rated <sup>2</sup>	Night Quiet Mode
RZR50/60LU	48	44
RZR71LU	48	44
RZR100LU	49	45
RZR125LU	50	45
RZR140LU	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.





# Technology for energy efficiency

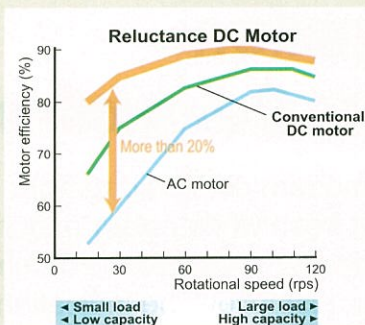
## The high efficiency compressor to achieve a high COP

### 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.

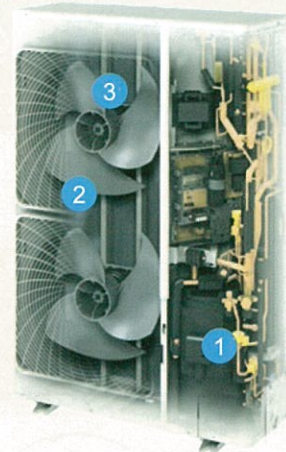
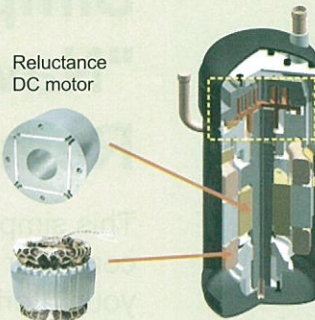
This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor.



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

\*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.

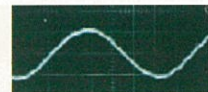
\*2. The torque created by the change in power between the iron and magnet parts.



### >> Smooth sine wave DC inverter

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

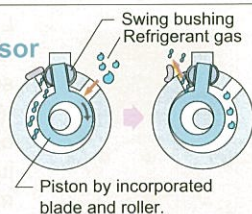
Sine wave DC inverter



RZR50/60/71/100LUV1

### >> Swing compressor

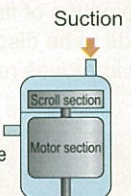
Energy savings is realised, eliminating the friction and the leakage of refrigerant gas.



RZR125/140LUV1, RZR100/125/140HUY1

### >> The structural scroll

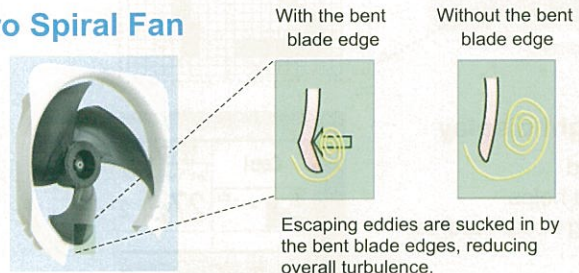
Sucked gas is compressed in the scrolling part before the heated motor, so that the machine compresses the non-expanded gas, resulting in high efficiency compression.



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

(RZR100-140 only)

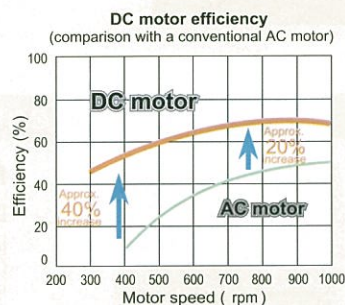
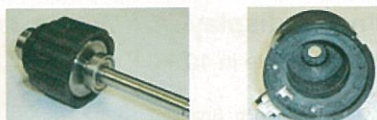
These two features work to reduce noise. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.



### 3 DC fan motor

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

DC fan motor structure



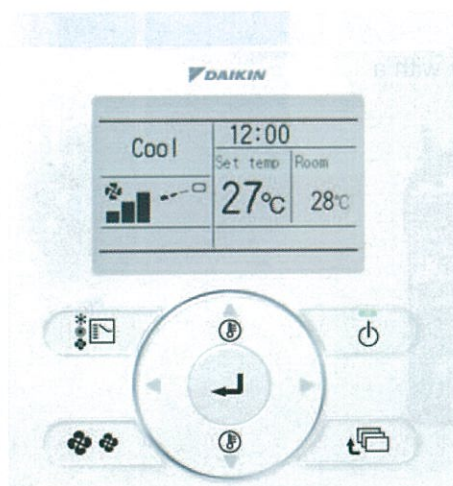
Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.



# Easy-to-read LCD remote controller allows various 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)



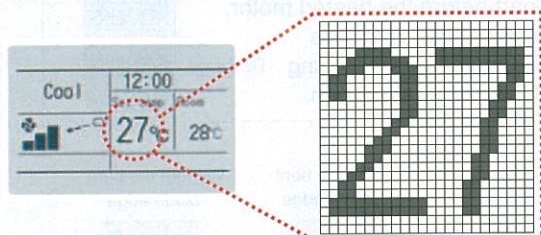
## Clear display, Simple operation, "Navigation Remote Controller!"

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

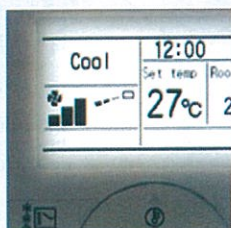
#### Dot matrix display

A combination of fine dots enables various icons and texts to be displayed smoothly. Large text display improves readability.



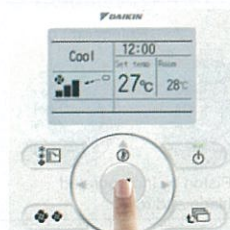
#### Backlight display

Equipped backlight helps operating in dark rooms.

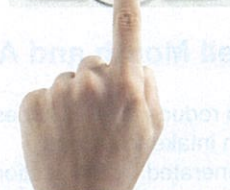


### Simple operation

#### Large buttons and arrow keys

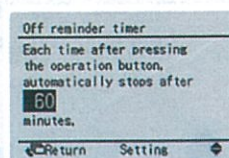
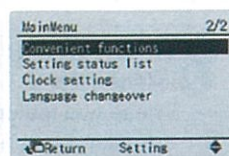


Large buttons and arrows keys for easy operation. Basic settings such as fan speed and temperature can be intuitively operated. For other settings just select the function from the menu list.



#### Guide on display

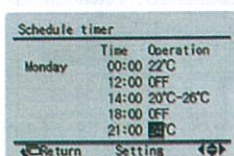
The display gives an explanation of each setting for easy operation.



### Other Features

#### Weekly schedule timer

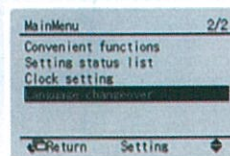
The schedule timer for each day of the week can be set up easily.



#### Multilingual display

Display is available in 10 languages.

(English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian and Turkish).





# us system control configurations and

## Wired LCD remote controller

Easier to read because LCD screen is larger.



BRC1C62

- For easier operation, louver switches, which are frequently used, have been made larger.
- Oil-resistant plastic casing.
- Only 17 mm thick. Can be installed either recessed or exposed.

## Wired remote controller has built-in temperature-sensor

(Applies to wired remote controllers (BRC1D61,BRC1E61))

- 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.)

## Wired LCD remote controller with weekly schedule timer

Remote control is equipped with weekly timer function.



BRC1D61

- 24-hour clock function.
- Programming function for each day of week.
- Scheduling possible of start/stop and temperature limit (5 settings/day).

## 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.

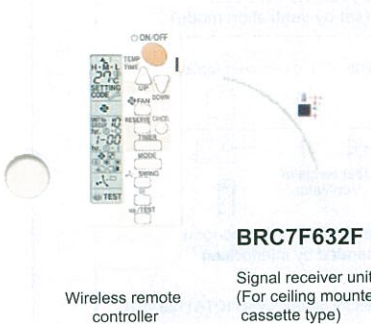
Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).

- 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 BRC1E61)

## LCD wireless remote controller

Light receptor mounted type



BRC7F632F

Signal receiver unit  
(For ceiling mounted cassette type)

- The wireless remote controller is supplied in a set with a signal receiver.
- 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.

## Indoor units applicable for the remote controller

Signal receiver unit is contained inside decoration panel or indoor unit

CEILING MOUNTED CASSETTE TYPE	BRC7F632F
COMPACT MULTI FLOW TYPE	BRC7E531W
CEILING SUSPENDED TYPE	BRC7EA66
DUCT CONNECTION MIDDLE HIGH STATIC PRESSURE TYPE	BRC4C64

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

### Airflow / swing display

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

### Preset temperature / operation mode display

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

### Programming time display

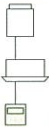


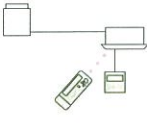
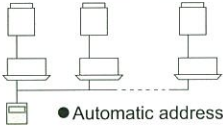
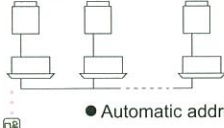


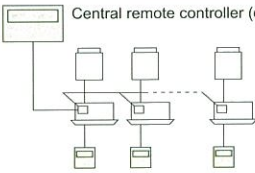
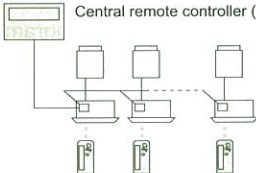
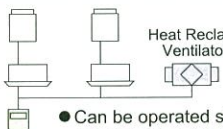
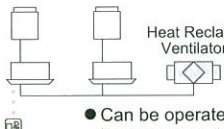
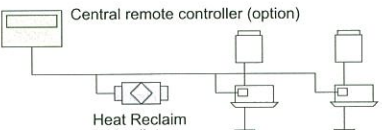
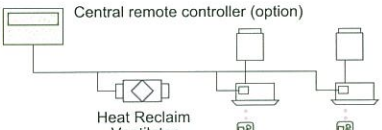
Operation start and stop time can be set for individual timers up to 72 hours. The LCD also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.

### Self-diagnosis function

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







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

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

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

<sup>1</sup>The ceiling mounted cassette type <Round Flow> and Duct connection middle/high static pressure type come standard with an interface adaptor for SkyAir series (DTA112BA51).

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

Central remote controller	Unified on/off controller	Schedule timer	Intelligent Controller
DCS302CA61 (Option)	DCS301BA61 (Option)	DST301BA61 (Option)	DCS601C51 (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.
Interface adaptor for SkyAir series <b>DTA112BA51 (Option)</b>	<ul style="list-style-type: none"> <li>● The interface adaptor for the SkyAir series is optional except for the ceiling mounted cassette type &lt;Round Flow&gt; and the duct connection middle/high static pressure type.</li> </ul>		

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.



# 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.

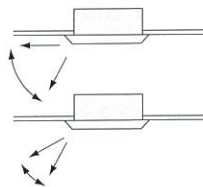
- The air flow direction can be fixed at your desired angle by the remote controller.

### Swing pattern selection

(standard, ceiling soiling prevention)

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

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



### Switchable fan speed

\*available on all models.

High setting provides maximum reach while low setting minimises drafts.

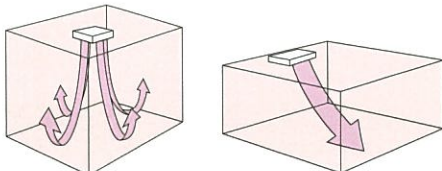
### Programme "Dry" with a humidity sensor

\*available on all models.

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.



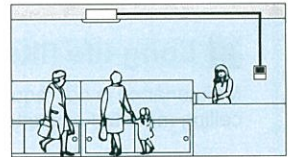
Note: When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

### 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.

### Timer selector

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

### 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.

## 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 drain pan

Mould-proofing maintains hygiene by preventing growth in highly humid conditions.

### Silver ion anti-bacterial drain pan

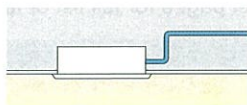
Drain pan has silver ion anti-bacterial treatment to help prevent the growth of bacteria and mould.



## 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 RZR50-140LU, RZR100-140HU.  
RXS50FA/60F/71F, RKS25A/35A/50A/60A : 10 m

### ■ Long-life filter

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

### ■ Ceiling soiling prevention function

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

### ■ 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.

### ■ 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 \*available on all models.

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 \*available on all models.

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.

## 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 acrylic 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

			50	60	71	100	125	140	
Model Name	Indoor unit		FCQ50LUV14	FCQ60LUV14	FCQ71LUV14	FCQ100LUV14	FCQ125LUV14	FCQ140LUV14	
	Outdoor unit		RZR50LUV14	RZR60LUV14	RZR71LUV14	RZR100LUV14	RZR125LUV14	RZR140LUV14	
Power supply			1 Phase, 220–240 V, 50 Hz			3 Phase, 380–415 V, 50 Hz			
Cooling capacity <sup>1</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)	
Power consumption	Cooling <sup>1</sup>	kW	1.30	1.62	1.99	2.94	3.77	4.91	
Indoor unit	Colour	Unit	Fresh white						
	Decoration panel								
	Airflow rate (H/L)		m <sup>3</sup> /min	21/13.5		32/20		33/22.5	
			cfm	741/477		1,129/706		1,164/794	
	Sound level (H/L) <sup>2</sup>		dB(A)	35/28		43/32		44/34	
				256×840×840				298×840×840	
	Dimensions (H×W×D)		mm	50×950×950					
	Machine weight		kg	21		5.5		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	1.8	2.3	3.1
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)			2.7 (Charged for 30 m)		
	Sound level <sup>2</sup>		Cooling	48		49		50	
			Night quiet mode	44		45		46	
	Dimensions (H×W×D)		mm	595×845×300			1,170×900×320		
	Machine weight		kg	43			92		
Certified Operation range		Cooling	°CDB		21 to 46				
Piping connections	Liquid (Flare)	mm	ø9.5						
	Gas (Flare)	mm	ø15.9						
	Drain	Indoor unit	mm	I.D ø25×O.D ø32					
		Outdoor unit	mm	ø26.0 (Hole)					
Max. interunit piping length		m	50 (Equivalent length 70)						
Max. installation level difference		m	30						
Heat insulation			Both liquid and gas piping						

## COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

			25	35	
Model Name	Indoor unit		FFQ25BV1B4	FFQ35BV1B4	
	Outdoor unit		RKS25AVMG4	RKS35AVMG4	
Power supply			1 Phase, 220–240 V, 50 Hz		
Cooling capacity <sup>1</sup> Rated (Min. - Max.)		kW	2.5 (1.2-3.0)	3.4 (1.2-3.7)	
Power consumption		Cooling kW	0.73	1.10	
Indoor unit	Colour	Unit	White		
	Decoration panel				
	Airflow rate (H)		m <sup>3</sup> /min	9/6.5	10/6.5
			cfm	317/229	353/229
	Sound level (H/L) <sup>2</sup>		dB(A)	29.5/24.5	32/25
	Dimensions (H×W×D)		mm	286×575×575	
	Machine weight		kg	17.5	
	Certified operation range		°CWB	14 to 25	
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	47
	Dimensions (H×W×D)		mm	550×765×285	
	Machine weight		kg	34	
	Certified operation range		°CDB	10 to 46	
Piping connections	Liquid (Flare)		mm	ø6.4	
	Gas (Flare)		mm	ø9.5	
	Drain	Indoor unit	mm	VP20 (I.D ø20×O.D ø26)	
		Outdoor unit	mm	ø18.0 (Hole)	
Max. interunit piping length		m	20		
Max. installation level difference		m	15		
Heat insulation			Both liquid and gas piping		

Note :

<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB Equiv. refrigeration piping, 7.5 m (horizontal).

<sup>2</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.



## CEILING SUSPENDED TYPE

			35	50	60
Model Name	Indoor unit		FHQ35BVV1B4	FHQ50BVV1G4	FHQ60BVV1G4
	Outdoor unit		RKS35AVMG4	RZR50LUV14	RZR60LUV14
Power supply			1 Phase, 220–240 V, 50 Hz		
Cooling capacity <sup>1</sup> Rated (Min. - Max.)		kW	3.4 (1.2-3.7)	5.0 (2.3-5.6)	6.0 (2.6-6.3)
Power consumption	Cooling	kW	1.05	1.39	1.69
Indoor unit	Colour		White		
	Airflow rate (H)	m <sup>3</sup> /min	13/10	17/14	
		cfm	458/353	600/494	
	Sound level (H/L) <sup>2</sup>		37/32	39/35	
	Dimensions (H×W×D)		195×960×680	195×1,160×680	
	Machine weight		24	27	
Certified operation range		°CWB	14 to 25		
Outdoor unit	Colour		Ivory white		
	Compressor	Type	Hermetically sealed swing type		
		Motor output	kW	0.6	1.12
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10 m)	1.6 (Charged for 30 m)
	Sound level <sup>2</sup>		dB(A)	47	48
	Dimensions (H×W×D)		mm	550×765×285	595×845×300
	Machine weight		kg	34	43
	Certified operation range		°CDB	10 to 46	21 to 46
Piping connections	Liquid (Flare)		mm	ø6.4	
	Gas (Flare)		mm	ø9.5	
	Drain	Indoor unit	mm	ø15.9	
Outdoor unit		mm	ø18.0 (Hole)		
Max. interunit piping length		m	20	50 (Equivalent length 70)	
Max. installation level difference		m	15	30	
Heat insulation			Both liquid and gas piping		

## CEILING SUSPENDED TYPE

			71	100	125	
Model Name	Indoor unit		FHQ71BV1B4	FHQ100BV1B4	FHQ125BV1B4	
	Outdoor unit		RZR71LUV14	RZR100LUV14	RZR125LUV14	
Power supply			1 Phase, 220–240 V, 50 Hz		3 Phase, 380–415 V, 50 Hz	
Cooling capacity <sup>1</sup> Rated (Min. - Max.)		kW	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	
Power consumption	Cooling	kW	2.50	3.51	4.55	
Indoor unit	Colour		White			
	Airflow rate (H/L)	m <sup>3</sup> /min	17/14	24/20	30/25	
		cfm	600/494	847/706	1,059/883	
	Sound level (H/L) <sup>2</sup>		39/35	42/37	44/39	
	Dimensions (H×W×D)		195×1,160×680	195×1,400×680	195×1,590×680	
	Machine weight		27	32	35	
Certified operation range		°CWB			14 to 25	
Outdoor unit	Colour		Ivory white			
	Compressor	Type	Hermetically sealed swing type		Hermetically sealed scroll type	
		Motor output	kW	1.76	2.1	2.6
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30m)	2.7 (Charged for 30m)	3.7 (Charged for 30m)
	Sound level <sup>2</sup>	Cooling	dB(A)	48	49	50
		Night quiet mode	dB(A)	44	45	
	Dimensions (H×W×D)		mm	595×845×300	1,170×900×320	
	Machine weight		kg	43	92	97
	Certified operation range		°CDB			21 to 46
Piping connections	Liquid (Flare)	mm	ø 9.5			
		mm	ø 15.9			
	Gas (Flare)	mm	ø 15.9			
		mm	ø 15.9			
		mm	ø 15.9			
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 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.



## DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

				50	60	71	100	125	140	
Model Name	Indoor unit			FBQ50DV14	FBQ60DV14	FBQ71DV14	FBQ100DV14	FBQ125DV14	FBQ140DV14	
	Outdoor unit			RZR50LUV14	RZR60LUV14	RZR71LUV14	RZR100LUY14	RZR125LUY14	RZR140LUY14	
Power supply				1 Phase, 220–240 V, 50 Hz			Indoor unit : 1 Phase, 220–240 V, 50 Hz Outdoor unit : 3 Phase, 380–415 V, 50 Hz			
Cooling capacity <sup>1</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 (6.25-15.4)	
Power consumption		Cooling	kW	1.39	1.69	2.22	2.82	3.73	4.71	
Indoor unit	Colour									
	Fan	Airflow rate (H/L)	Cooling	m <sup>3</sup> /min	18/15			32/23	39/28	
				cfm	635/530			1,130/812	1,377/988	
	External static pressure <sup>2</sup> (Middle-High)			Pa	50-200					
	Sound level <sup>3</sup>	Cooling (H/L)	dB(A)	37/32			38/33	40/36		
	Dimensions (H×W×D)			mm	300×1,000×700			300×1,400×700		
	Machine weight			kg	36			46		
	Certified Operation range		Cooling	°CWB	14 to 25					
Outdoor unit	Colour			Ivory white						
	Compressor		Type	Hermetically sealed swing type			Hermetically sealed scroll type			
				Motor output	kW	1.12	1.35	1.76	1.8	2.4
	Refrigerant charge (R-410A)			kg	1.6 (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		
		Night quiet mode	dB(A)	44			45	45	46	
	Dimensions (H×W×D)			mm	595×845×300			1,700×900×320		
	Machine weight			kg	43			94	97	
Certified Operation range		Cooling	°CDB	21 to 46						
Piping connections	Liquid (Flare)		mm	ø9.5						
	Gas (Flare)		mm	ø15.9						
	Drain	Indoor unit	mm	I.D ø25×O.D ø32						
			Outdoor unit	mm	ø26.0 (Hole)					
				mm						
Max. interunit piping length			m	50 (Equivalent length 70)						
Max. installation level difference			m	30						
Heat insulation				Both liquid and gas piping						

Note :

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

## FLOOR STANDING TYPE

				71	100	125	140	
Model Name	Indoor unit			FVQ71CVEB4	FVQ100CVEB4	FVQ125CVEB4	FVQ140CVEB4	
	Outdoor unit			RZR71LUV14	RZR100LUV14	RZR125LUV14	RZR140LUV14	
Power supply				1 Phase, 220–240 V, 50 Hz		3 Phase, 380–415 V, 50 Hz		
Cooling capacity <sup>1</sup> Rated (Min. - Max.)			kW	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.5 (6.2-15.4)	
Power consumption		Cooling	kW	2.58	3.28	4.39	5.40	
Indoor unit	Colour			Fresh white				
	Fan	Airflow rate (H/M/L)	Cooling	m³/min	18/16/14	28/25/22	28/26/24	30/28/26
				cfm	635/565/494	988/883/777	988/918/847	1,059/988/918
	Sound level <sup>2</sup>		Cooling (H/M/L)	dB(A)	43/41/38	50/47/44	51/48/46	53/51/48
	Dimensions (H×W×D)			mm	1,850×600×270			1,850×600×350
	Machine weight			kg	39	47		
	Certified Operation range		Cooling	°CWB	14 to 25			
	Outdoor unit	Colour			Ivory white			
Compressor		Type	Hermetically sealed swing type		Hermetically sealed scroll type			
		Motor output	kW	1.76	2.3	2.8	3.4	
Refrigerant charge (R-410A)			kg	1.6 (Charged for 30 m)	2.7 (Charged for 30 m)	3.7 (Charged for 30 m)		
Sound level <sup>2</sup>		Cooling	dB(A)	48	49	50	46	
		Night quiet mode	dB(A)	44	45			
Dimensions (H×W×D)			mm	595×845×300			1,170×900×320	
Machine weight			kg	43	92	97		
Certified Operation range		Cooling	°CDB	21 to 46				
Piping connections		Liquid (Flare)		mm	ø9.5			
	Gas (Flare)		mm	ø15.9				
	Drain	Indoor unit	mm	I.D ø20×O.D ø26				
		Outdoor unit	mm	ø26.0 (Hole)				
Max. interunit piping length			m	50 (Equivalent length 70)				
Max. installation level difference			m	30				
Heat insulation				Both liquid and gas piping				

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>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 kit¹	Chamber type	Without the T-joint pipe and fan	KDDP55B160						
		With the T-joint pipe, without fan	KDDP55B160K						
	Direct installation type		KDDP55X160						
Chamber connection kit²			KKSJ55KA160						
Insulation kit for high humidity			KDTP55K80			KDTP55K160			
High-efficiency filter		(Colorimetric method 65%)	KAFF556B80			KAFF556B160			
		(Colorimetric method 90%)	KAFF557B80			KAFF557B160			
Replacement high-efficiency filter		(Colorimetric method 65%)	KAFF552B80			KAFF552B160			
		(Colorimetric method 90%)	KAFF553B80			KAFF553B160			
Filter chamber			KDDFP55B160						
Replacement long-life filter			KAFF551K160						
Ultra long-life filter			KAFF55B160						
Replacement ultra long-life filter			KAFF55H160H						
Branch duct chamber			KDJP55B80			KDJP55B160			
Remote controller	Wireless type	Cooling only	BRC7F633F						
		Heat pump	BRC7F632F						
	Wired type³		BRC1C61						
Wired LCD remote controller with weekly schedule timer³			BRC1D61						
Navigation Remote Controller		Wired type³	BRC1E61						
Central remote controller⁴			DCS302CA61						
Unified ON/OFF controller⁴			DCS301BA61						
Schedule timer⁴			DST301BA61						
Intelligent Touch Controller⁴			DCS601C51						
Adaptor for wiring⁵			KRP1C63						
Wiring adaptor for electrical appendices⁵			KRP4AA53						
Installation box for adaptor PCB			KRP1H98						
Remote sensor (for indoor temperature)			KRCS01-4B						

Note: <sup>1</sup>Refer to page 8 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>This type of indoor units is equipped with the interface adaptor for SkyAir series. DTA112BA51 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 (O) indicates compatibility, and a cross (X) indicates incompatibility. Any options not shown below are not suitable for independent or accessory installation.

#### All round flow 4-way flow

Optionally 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>
Panel/grille related	Panel spacer <sup>1</sup>		O	O	O	X	O	O
	Wireless remote controller	O		O	O	O	O	O
Auxiliary function related	Fresh air intake kit (Chamber type) <sup>1,2</sup>	O	O		X	X	O	O
	Fresh air intake kit (direct mount)	O	O	X		O	O	O
	High-humidity operation kit	X	O	X	O		X	X
Filter related	High-efficiency filter <sup>2</sup>	O	O	O	O	X		X
	Ultra-long-life filter <sup>2</sup>	O	O	O	O	X	X	

#### 3-way flow 2-way flow

Optionally 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>
Panel/grille related	Panel spacer <sup>1</sup>		O <sup>3</sup>	O <sup>3</sup>	O <sup>3</sup>	X	X	O <sup>3</sup>
	Wireless remote controller	O <sup>3</sup>		O	O	O	X	O
Auxiliary function related	Fresh air intake kit (Chamber type) <sup>1,2</sup>	O <sup>3</sup>	O		X	X	X	O
	Fresh air intake kit (direct mount)	O <sup>3</sup>	O	X		O	X	O
	High-humidity operation kit	X	O	X	O		X	X
Filter related	Ultra-long-life filter <sup>2</sup>	O <sup>3</sup>	O	O	O	X	X	

#### Branch duct connection

Optionally 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>
Branch duct <sup>1</sup> (Chamber type) (Round duct type)	1-way branch / unit 3-way flow	O	O	O	O <sup>4</sup>	X	X	O
	2-way branch / unit 2-way flow	X	O	O	O <sup>4</sup>	X	X	O
	1-way branch / unit 2-way flow	X	O	O	O <sup>4</sup>	X	X	O

<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	
		FFQ25BV1B4	FFQ35BV1B4
Decoration panel		BYFQ60B8W1	
Remote controller	Wireless type    Cooling only	BRC7E531W	
Wired LCD remote controller with weekly schedule timer <sup>1</sup>		BRC1D61	
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 member for 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
Replacement long-life filter	Resin net	KAF501DA56	KAF501DA80		KAF501DA112	KAF501DA160
Drain-up kit		KDU50N60VE	KDU50N125VE			
L-type piping kit (for upward direction)		KHFP5MA35	KHFP5MA160			
Remote controller	Wireless type    Cooling only		BRC7EA66			
Wired LCD remote controller with weekly schedule timer <sup>1</sup>			BRC1D61			
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			KRP1BA54			
Wiring adaptor for electrical appendices <sup>3</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>Installation box for adaptor PCB (KRP1CA93) is necessary.



## Indoor unit

### DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

Name of option	Remark	Kit name					
		FBQ50DV14	FBQ60DV14	FBQ71DV14	FBQ100DV14	FBQ125DV14	FBQ140DV14
High-efficiency filter <sup>1</sup>	(Colorimetric method 65%)		KAF372AA80			KAF372AA160	
	(Colorimetric method 90%)		KAF373AA80			KAF373AA160	
Filter chamber			KDDF37AA80			KDDF37AA160	
Replacement long life filter			KAF371AA80			KAF371AA160	
Replacement long life filter chamber kit			KAF375AA80			KAF375AA160	
Service panel			KTBJ25KA80W			KTBJ25KA160W	
			KTBJ25K80F			KTBJ25K160F	
			KTBJ25K80T			KTBJ25K160T	
			KDAJ25K71A			KDAJ25K140A	
Air discharge adaptor							
Remote controller	Wireless type				BRC4C64		
	Cooling only				BRC1D61		
Wired LCD remote controller with weekly schedule timer <sup>2</sup>					BRC1E62		
Navigation Remote Controller	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>This type of indoor units is equipped with the interface adaptor for SkyAir series. DTA112BA51 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			
		FVQ71CVEB4	FVQ100CVEB4	FVQ125CVEB4	FVQ140CVEB4
Replacement long-life filter				KAFJ95L160	
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>This type of indoor units is equipped with the interface adaptor for SkyAir series. DTA112BA51 is unnecessary.

<sup>3</sup>Installation box for adaptor PCB (KRP4AA95) is necessary.

## Outdoor unit

Name of option	Kit name		
	RZR50LUV14	RZR60LUV14	RZR71LUV14
Central drain plug		KKP014A4	
Wire fixture for preventing overturning		—	
Fixture for preventing overturning		—	
Demand adaptor		—	

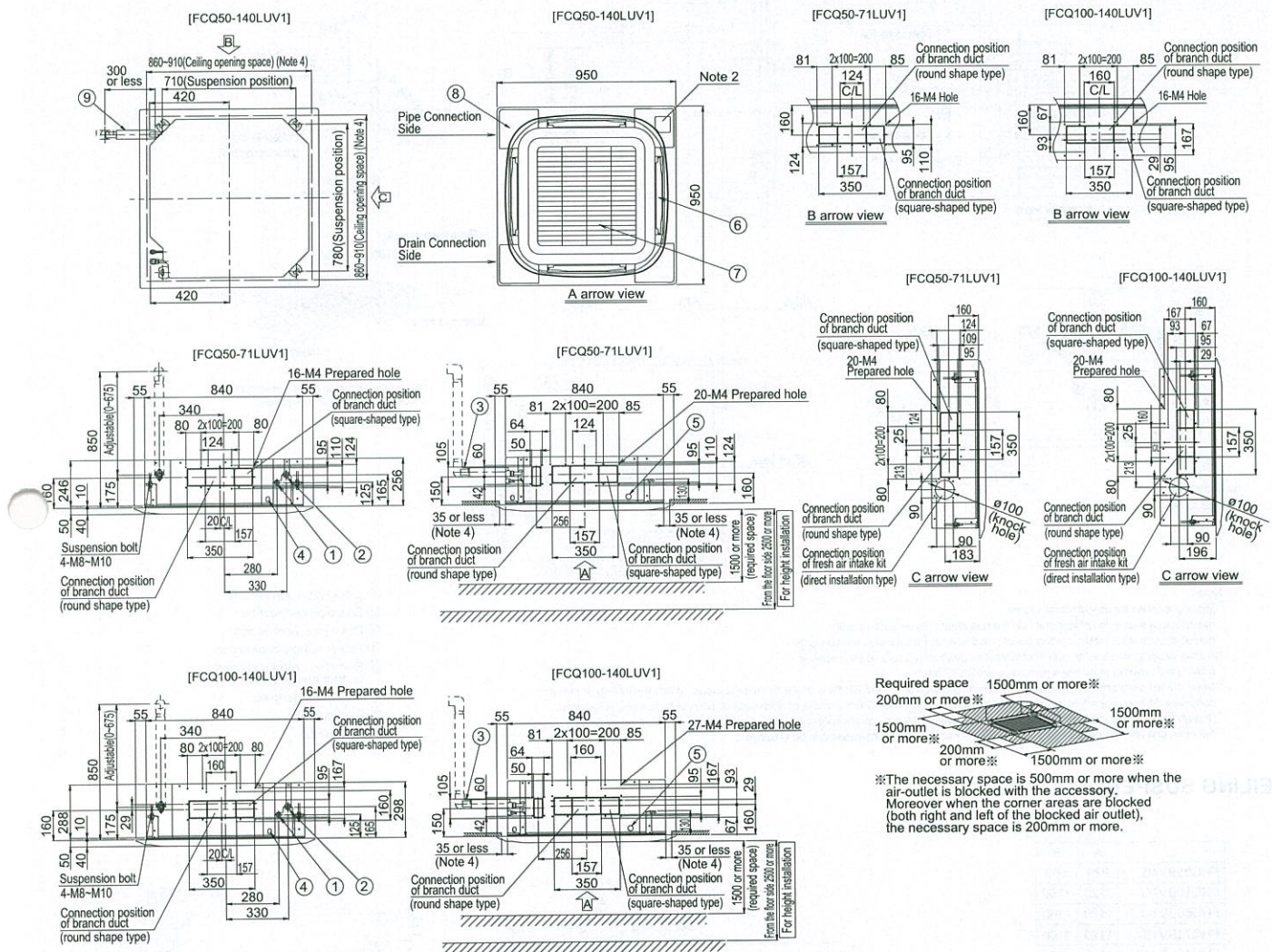
Name of option	Kit name		
	Cooling only		
	RZR100LUY14	RZR125LUY14	RZR140LUY14
Central drain plug		KKPJ5F180	
Wire fixture for preventing overturning		K-KYZP15C	
Fixture for preventing overturning		KPT-60B160	
Demand adaptor		KRP58M51	

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



## DIMENSIONS (Unit: mm)

## CEILING MOUNTED CASSETTE TYPE



Notes:

<sup>1</sup>Sticking location for manufacture's label  
manufacture's label for indoor unit:

Suction grille inner side's electric components box's lid surface  
manufacture's label for decoration panel :

Decoration panel's corner decoration cover inner surface

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

<sup>3</sup>When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.

<sup>4</sup>Though the installation is acceptable up to maximum of 910mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.

<sup>5</sup>Please do not place the thing been damp and troubled under an indoor unit.

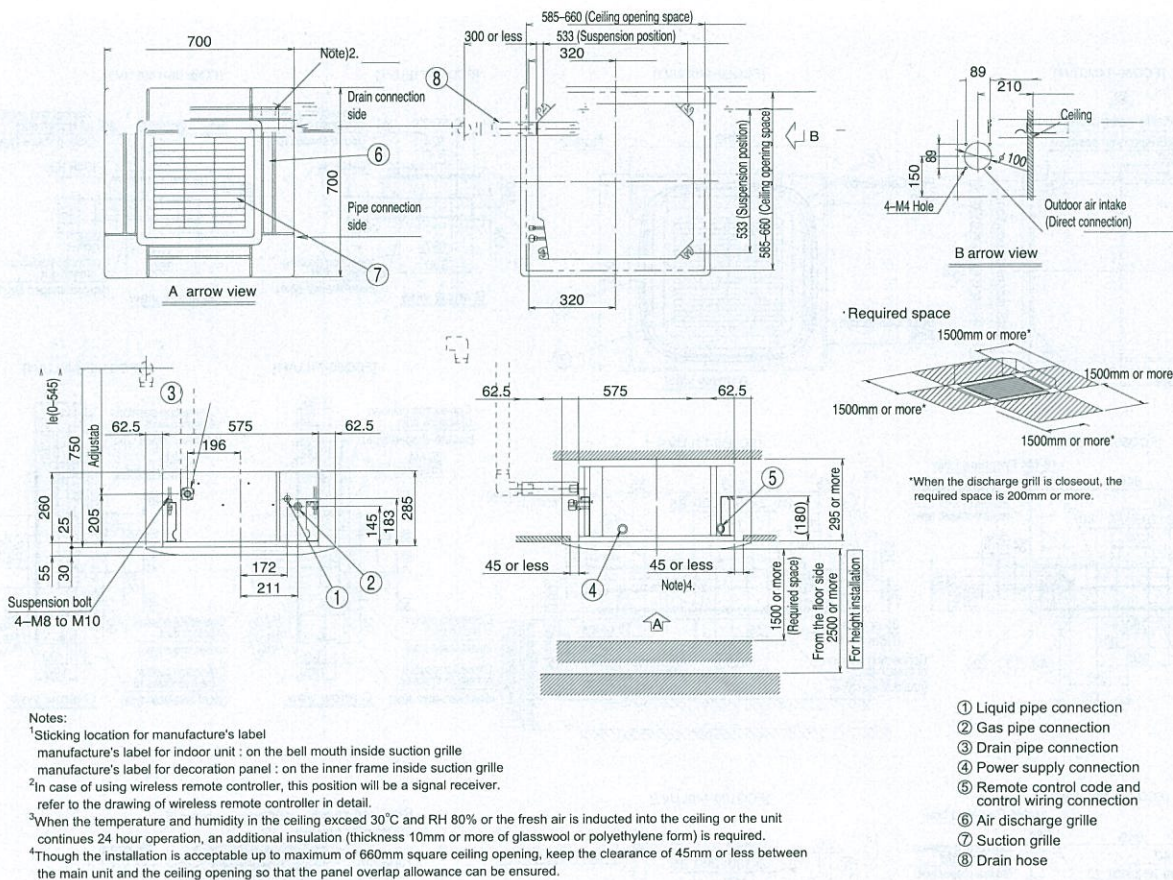
When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

- ① Liquid pipe connection
- ② Gas pipe connection
- ③ Drain pipe connection
- ④ Power-source wiring and a unit wiring connection
- ⑤ Connection wiring / remote control wiring connection
- ⑥ Air-outlet
- ⑦ Suction grille
- ⑧ Corner decoration cover
- ⑨ Drain hose (accessory)



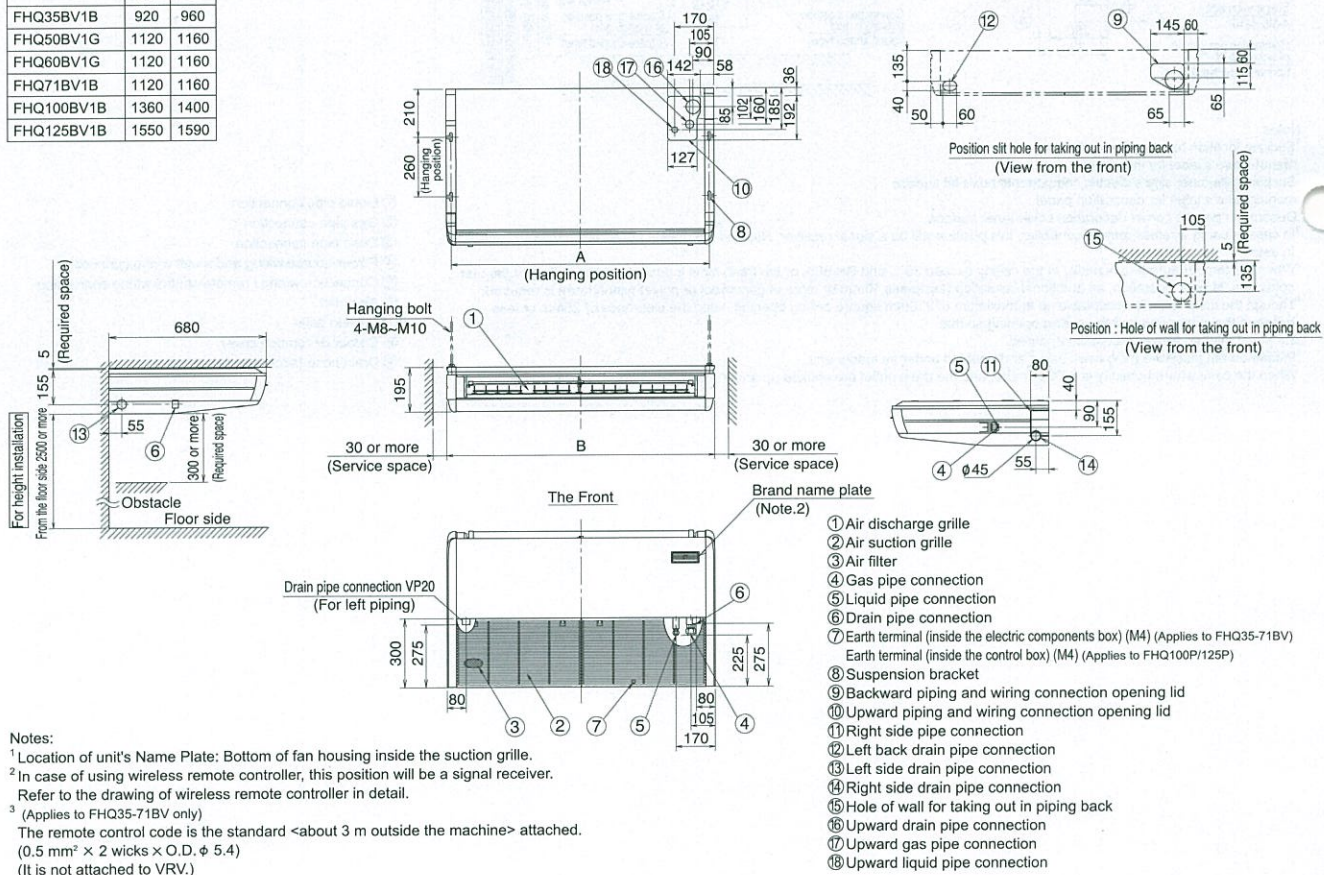
## DIMENSIONS (Unit: mm)

## COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE



### CEILING SUSPENDED TYPE

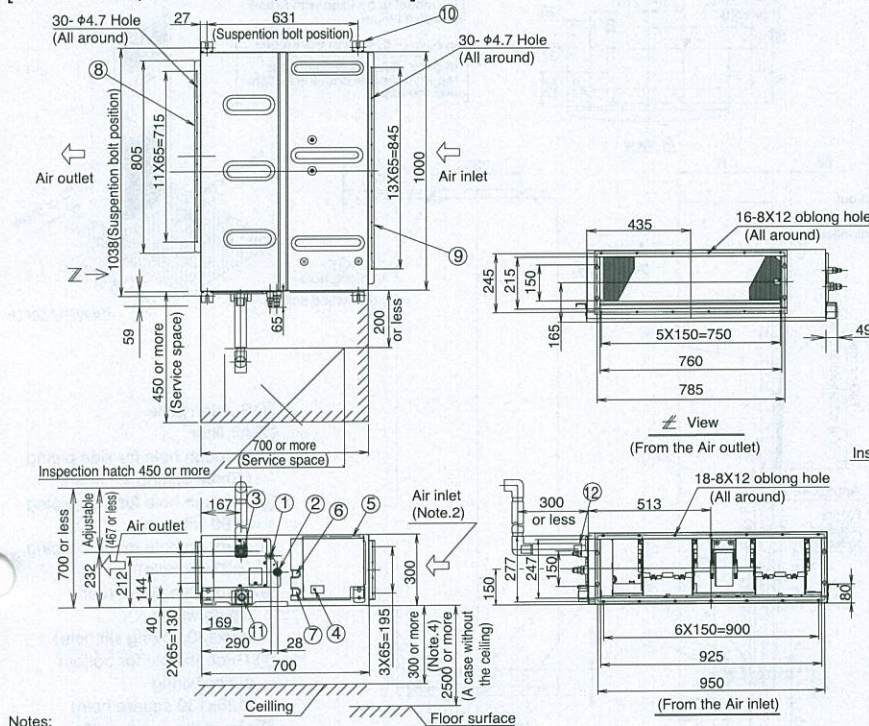
	A	B
FHQ35BV1B	920	960
FHQ50BV1G	1120	1160
FHQ60BV1G	1120	1160
FHQ71BV1B	1120	1160
FHQ100BV1B	1360	1400
FHQ125BV1B	1550	1590





## DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ50DV1, FBQ60DV1, FBQ71DV1]



Notes:

- <sup>1</sup>Location of MANUFACTURE'S LABEL: Control box surface
- <sup>2</sup>Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more.)
- <sup>3</sup>Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.
- <sup>4</sup>Space for Service Works

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

- 1) 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)

CASE 1)

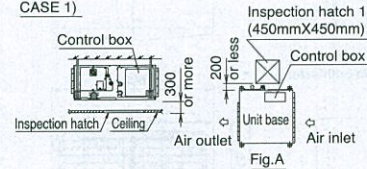
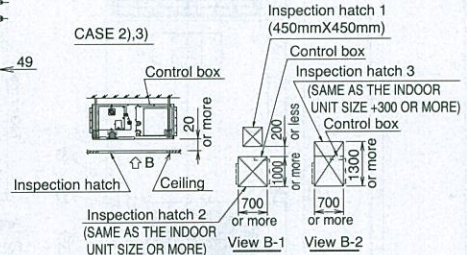


Fig.A

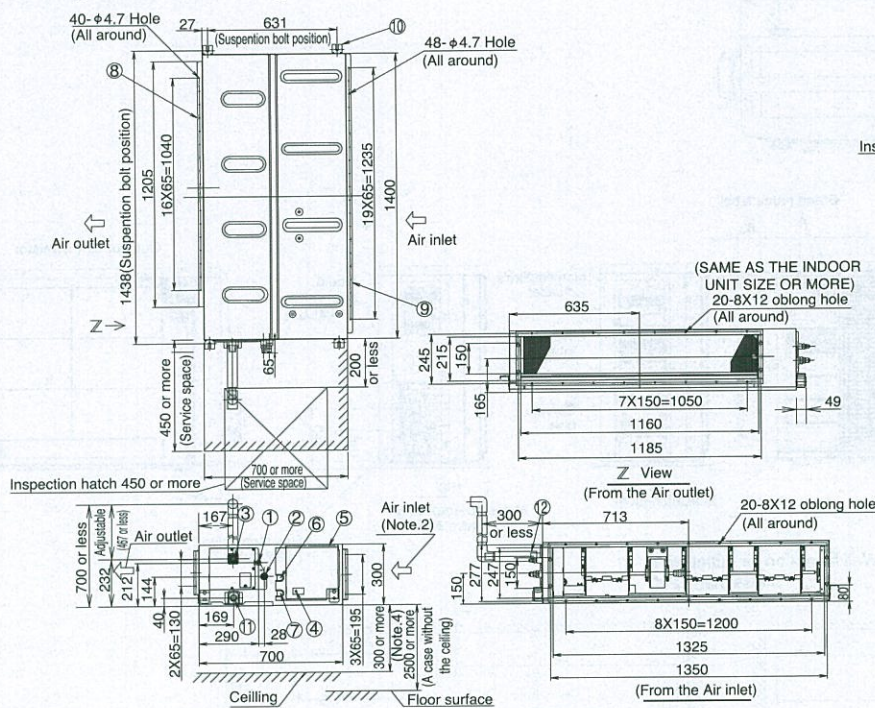
CASE 2),3)



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

## DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ100DV1, 125DV1, 140DV1]



Notes:

- <sup>1</sup>Location of MANUFACTURE'S LABEL: Control box surface
- <sup>2</sup>Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more.)
- <sup>3</sup>Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.
- <sup>4</sup>Space for Service Works

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

- 1) 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)

CASE 1)

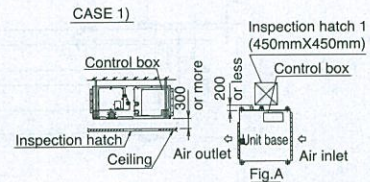
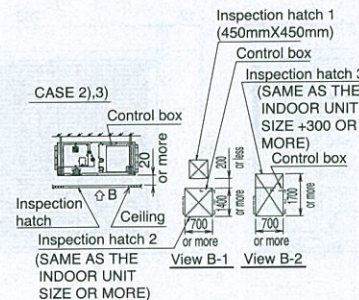


Fig.A

CASE 2),3)

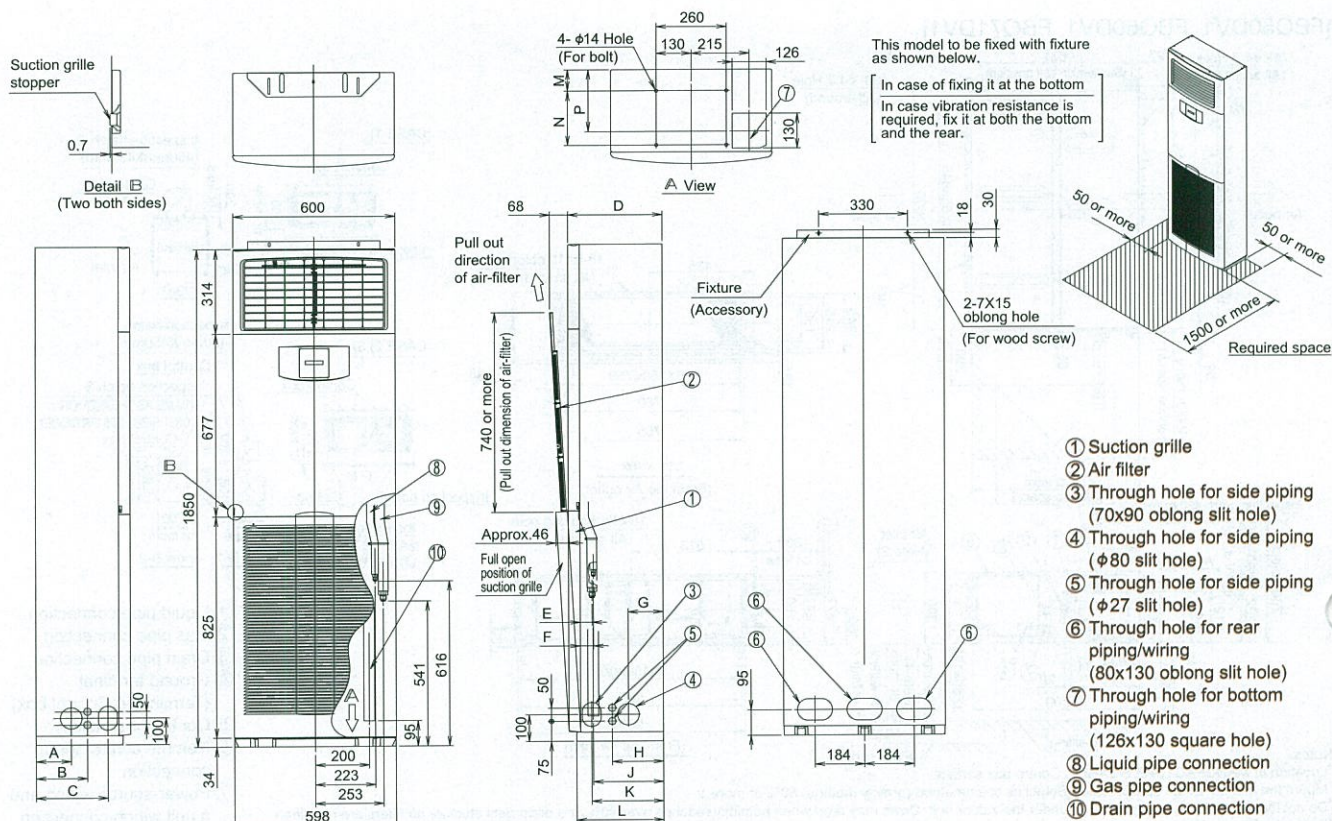


- ① Liquid pipe connection
- ② Gas pipe connection
- ③ Drain pipe connection
- ④ Ground terminal
- ⑤ Control box (Inside)
- ⑥ Remote control wiring connection
- ⑦ Power-source wiring and a unit wiring connection
- ⑧ Air discharge flange
- ⑨ Air suction flange
- ⑩ Hook
- ⑪ Socket (For maintenance)



# DIMENSIONS (Unit: mm)

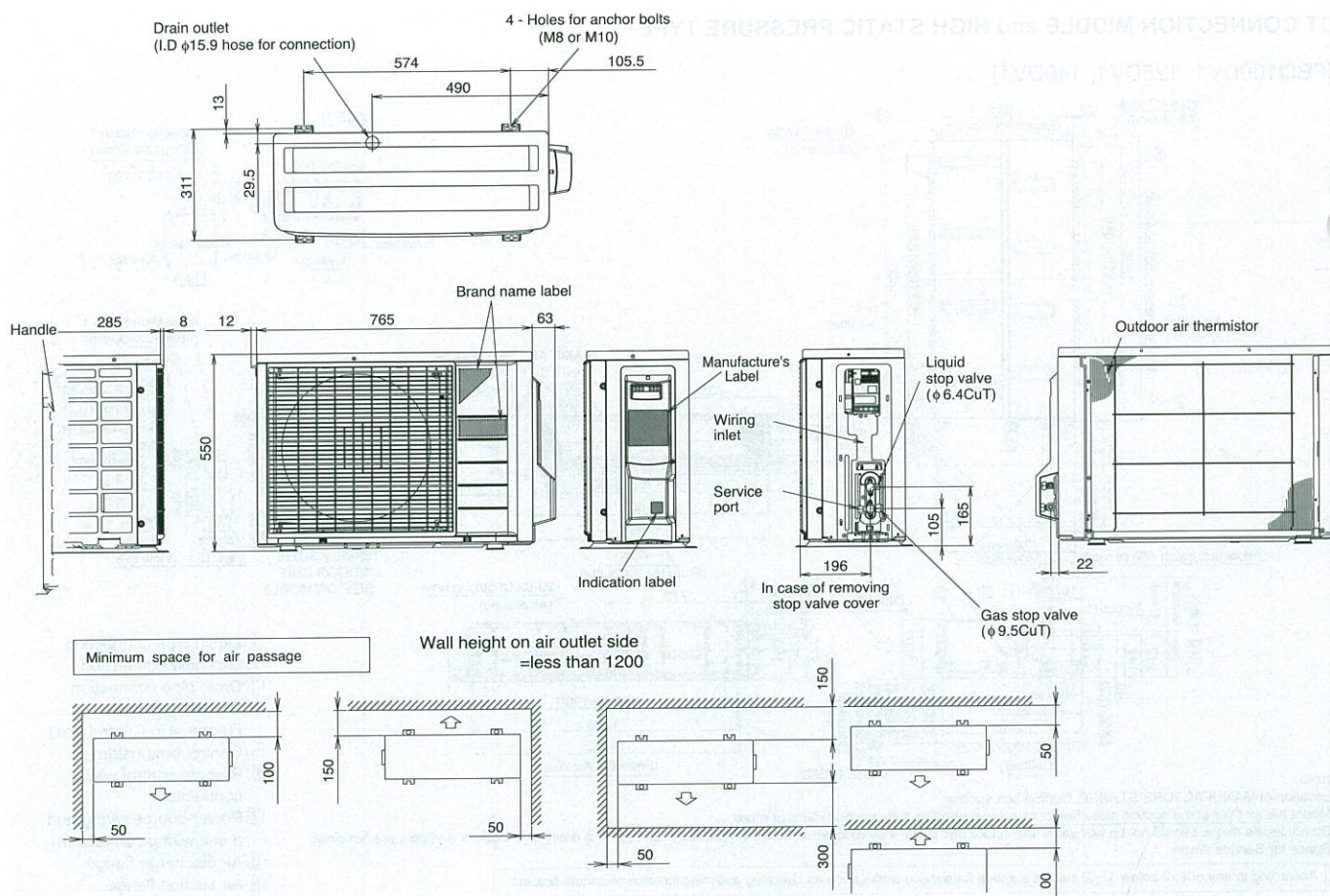
## FLOOR STANDING TYPE



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

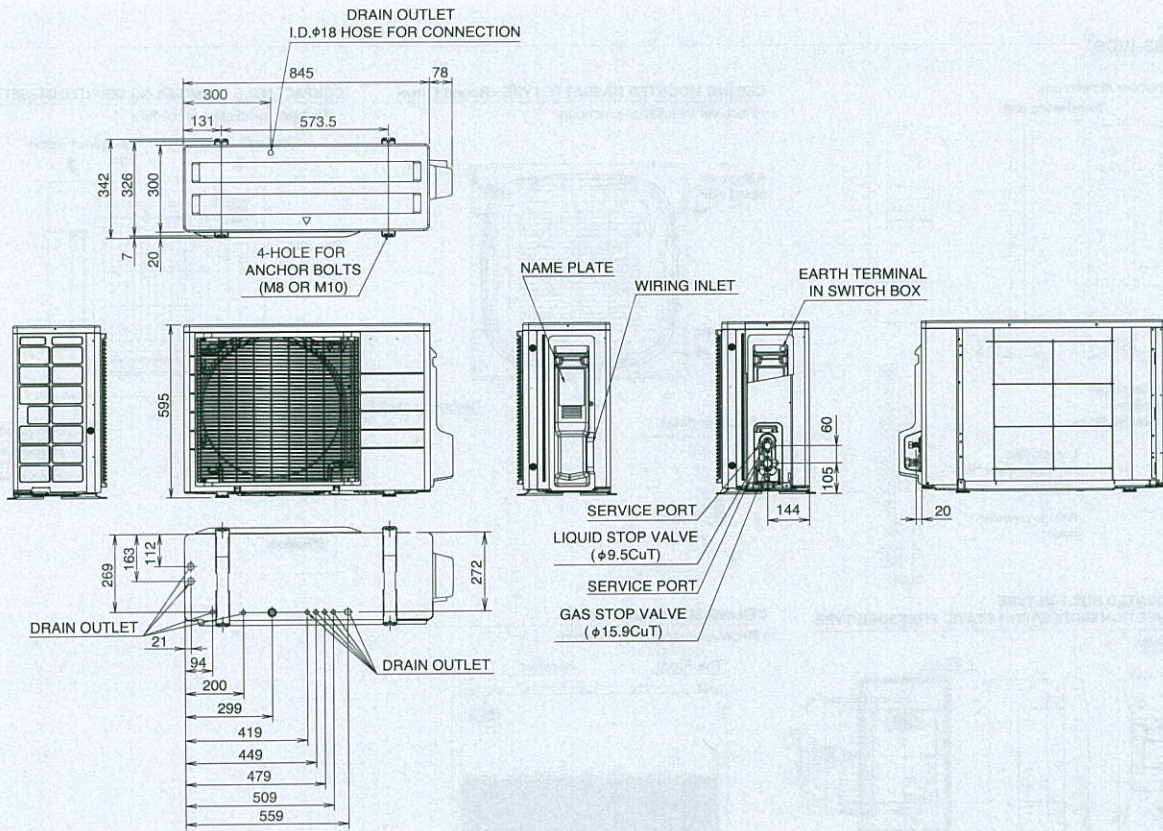
	A	B	C	D	E	F	G	H	J	K	L	M	N	P
FVQ71CVEB	50	110	186	270	45	50	50	110	180	186	242	57	144	149
FVQ100/125/140CVEB	130	190	266	350	44	49	130	190	260	266	322	79	202	229

## OUTDOOR UNIT // RKS25AVMG, RKS35AVMG

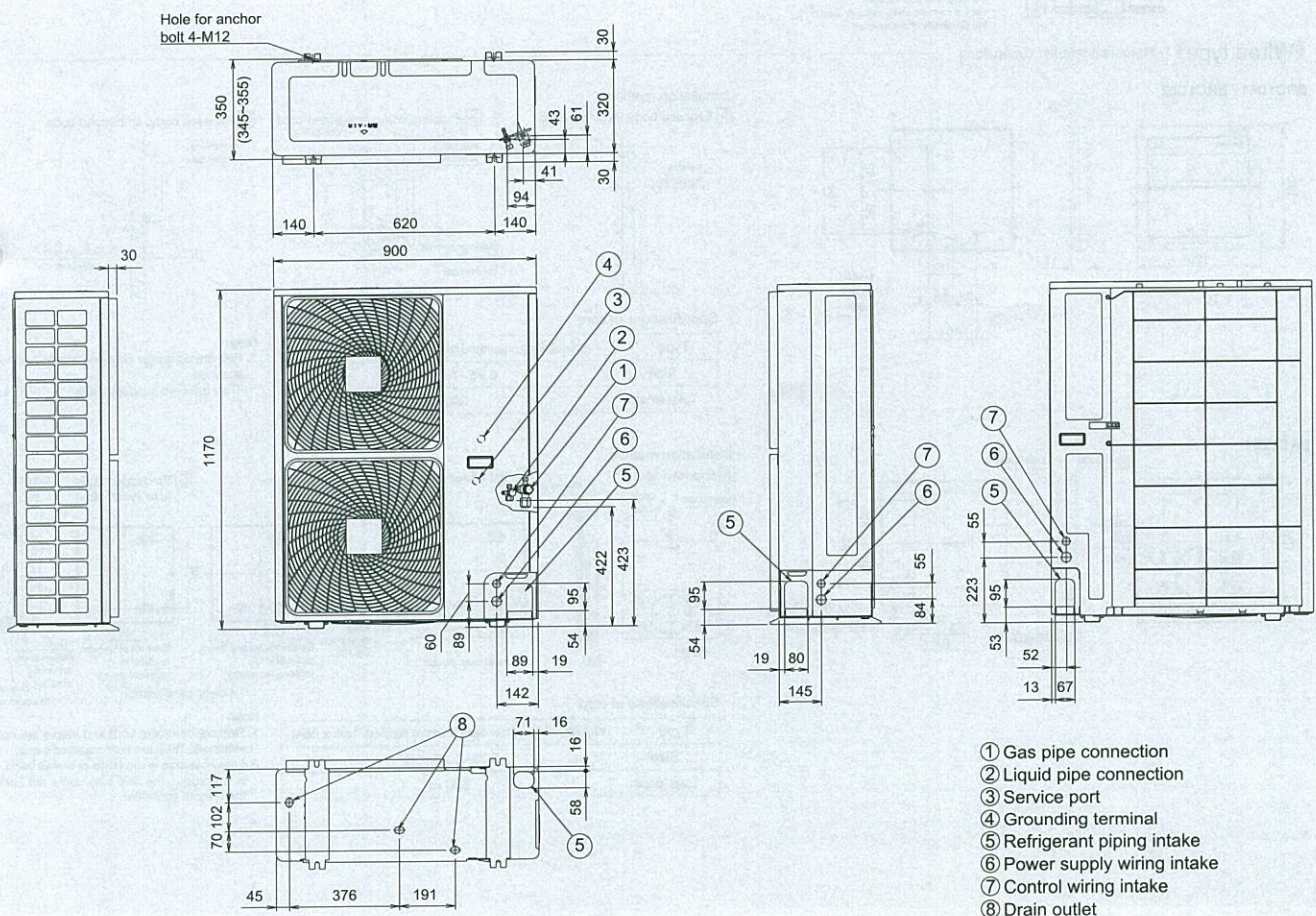




## OUTDOOR UNIT // RZR50LUV1, 60LUV1, 71LUV1



## OUTDOOR UNIT // 100/125/140LUY1



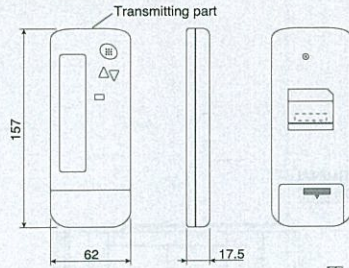


# DIMENSIONS (Unit: mm)

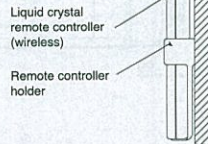
## REMOTE CONTROLLER

### 《Wireless type》

#### Remote controller dimensions

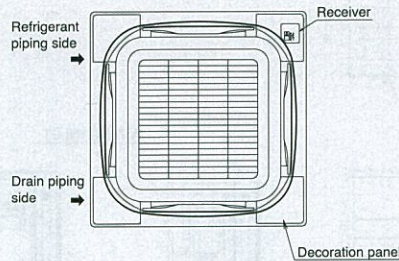


#### Remote controller holder installation procedure <installation to wall surface>



#### CEILING MOUNTED CASSETTE TYPE <Round Flow>

##### Receiver installation procedure

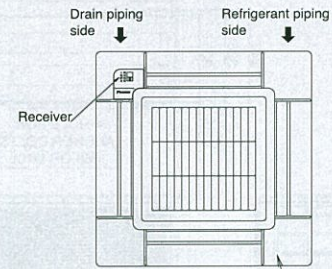


##### Receiver detail



#### COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

##### Receiver installation procedure



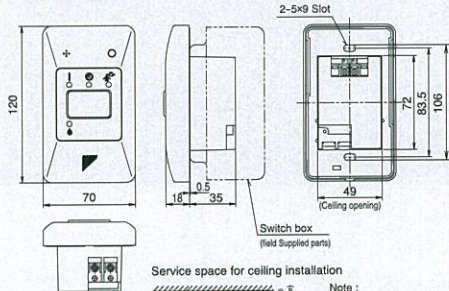
##### Receiver detail



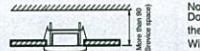
Decoration panel  
(BYFC60BW1)  
(BYFC60B7W1)  
(BYFC60B8W1)

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

##### Receiver detail



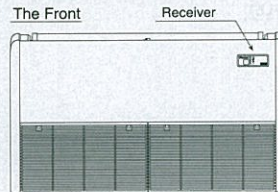
Service space for ceiling installation



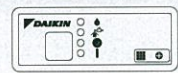
Note:  
Do not install more than 3 receivers in the vicinity of one another.  
With 4 or more units, there is always the possibility of malfunction

#### CEILING SUSPENDED TYPE

##### Receiver installation procedure

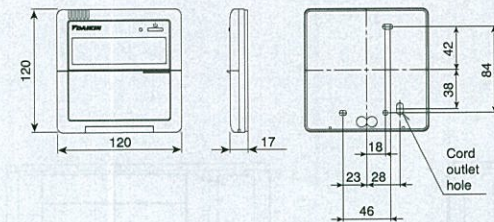


##### Receiver detail



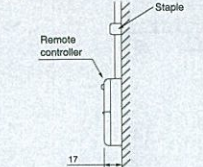
### 《Wired type》 Remote controller dimensions

#### BRC1D61 / BRC1C62

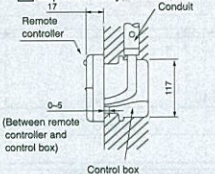


##### Installation method

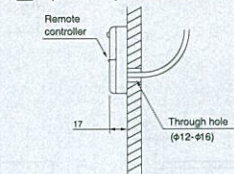
###### A Exposed body, exposed cord



###### B Exposed body, embedded cord



###### C Exposed body, embedded code



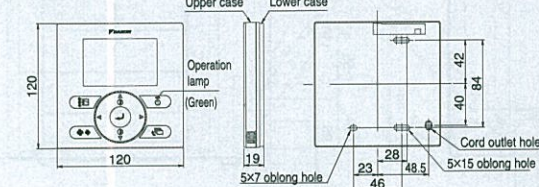
##### Specifications of cord

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

Note)

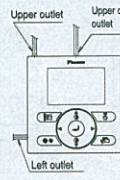
1. Remote controller cord and staple are not attached. They are field supplied parts.

#### BRC1E61

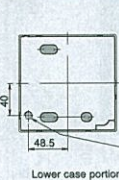


##### Installation method

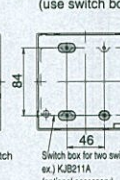
###### A Exposed cord



###### B Embedded cord



###### C Embedded code (use switch box)



##### Specifications of cord

Type *	Vinyl cord with sheath or cable (insulated thickness: 1mm 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.  
2. If the hole size is too large or the location is not proper, the hole may come out from the remote controller.



# Installation service space for outdoor unit

## ■ For RZR50-140LUV14, RZR100-140LUV14

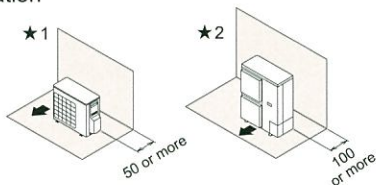
★1.RZR50/60/71LUV1 ★2.RZR100-140LUV1

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

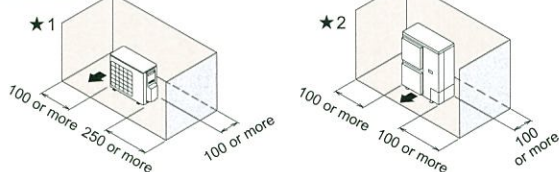
#### 1) When the overhead space is open

##### 1. For single unit installation

When there is an obstruction only on the inlet side

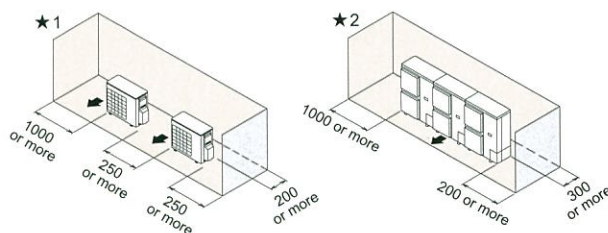


When there are obstructions on both sides



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

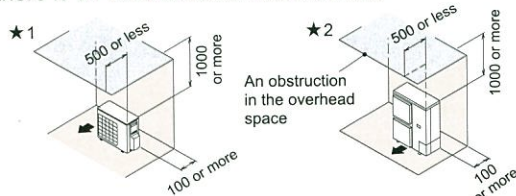
When there are obstructions on both sides



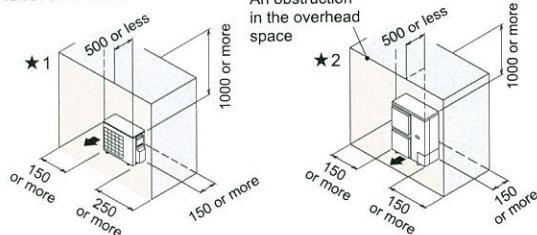
#### 2) When there is an obstruction in the overhead space

##### 1. For single unit installation

When there is an obstruction on the inlet side

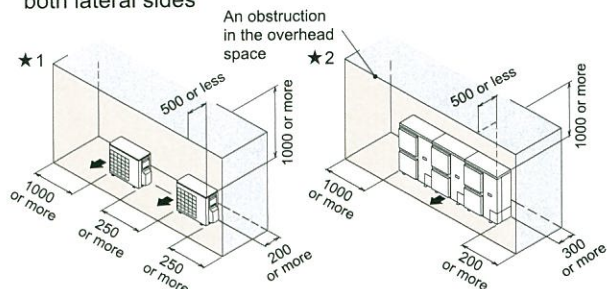


When there are obstructions on the inlet side and both lateral sides



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

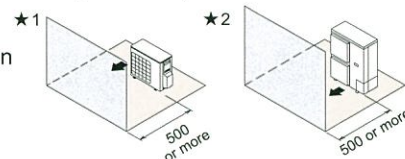
When there are obstructions on the inlet side and both lateral sides



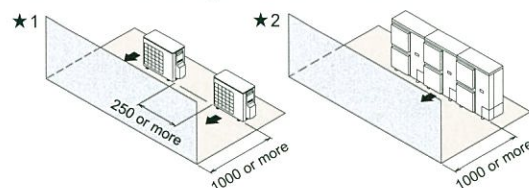
### 2 When there is an obstruction on the outlet side

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

##### 1. For single unit installation

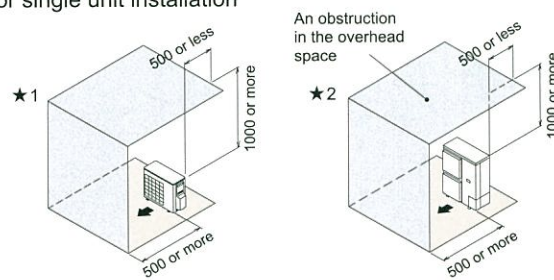


##### 2. For series installation (more than two units)

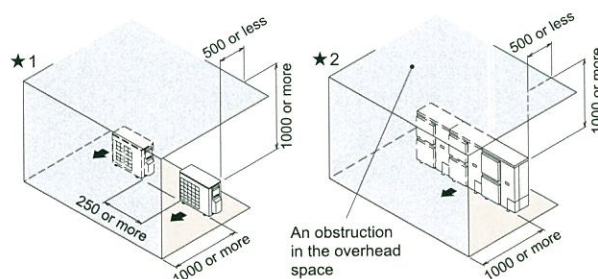


When there is an obstruction in the overhead space

##### 1. For single unit installation



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



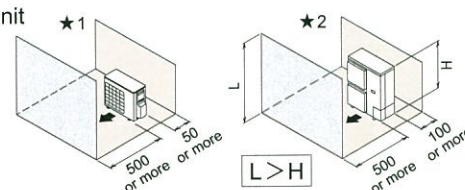
### 3 When there are obstructions on both the inlet and outlet sides

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

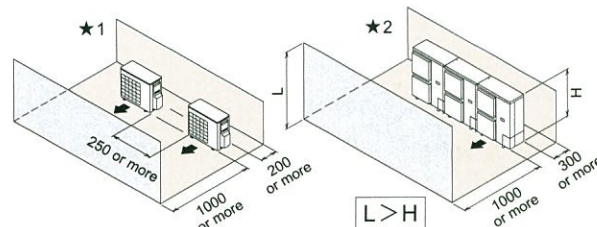
#### 1) When the overhead space is open

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

##### 1. For single unit installation



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





Warning



● Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which product are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.

- Ask a qualified installer or contractor to install this product. Do not try to install the product 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.



JMI-0107

Organization:  
DAIKIN INDUSTRIES, LTD.  
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:  
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF  
COMMERCIAL AIR CONDITIONING, HEATING, COOLING,  
REFRIGERATING EQUIPMENT, HEATING EQUIPMENT,  
RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT  
RECLAIM VENTILATION, AIR CLEANING EQUIPMENT,  
COMPRESSORS AND VALVES.



JQA-1452

Organization:  
DAIKIN INDUSTRIES  
(THAILAND) LTD.

Scope of Registration:  
THE DESIGN/DEVELOPMENT  
AND MANUFACTURE OF AIR  
CONDITIONERS AND THE  
COMPONENTS INCLUDING  
COMPRESSORS USED FOR THEM



EC99J2044

All of the Daikin Group's business  
facilities and subsidiaries in Japan  
are certified under the ISO 14001  
international standard for  
environment management.

Dealer

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Website : <http://www.daikin.co.id>