

DAIKIN

PCSSG0814C

SkyAir

AIR CONDITIONING SYSTEM [50Hz]

Super Inverter

INVERTER



360° airflow!!



EXCELLENT

Energy Consumption 1465 kWh per yr
Full load (100%) 0.27
Part load (100%) 0.35

Cooling Capacity: 2.21 kW DAIKIN
Split Type Inverter air-conditioner RKS25AVMG

Tested in accordance with JIS C 9812
Actual energy consumption may vary from test results
For more information and to compare models, visit www.daikin.gov.au
MS-0-206-01289000

RKS25AVMG

EXCELLENT

Energy Consumption 1465 kWh per yr
Full load (100%) 1.10
Part load (100%) 0.44

Cooling Capacity: 6.90 kW DAIKIN
Split Type Inverter air-conditioner RZR71KUV1

Tested in accordance with JIS C 9812
Actual energy consumption may vary from test results
For more information and to compare models, visit www.daikin.gov.au
MS-0-206-01289000

RZR71KUV1

EXCELLENT

Energy Consumption 1465 kWh per yr
Full load (100%) 0.48
Part load (100%) 1.10

Cooling Capacity: 8.73 kW DAIKIN
Split Type Inverter air-conditioner RZR100KUV1

Tested in accordance with JIS C 9812
Actual energy consumption may vary from test results
For more information and to compare models, visit www.daikin.gov.au
MS-0-206-01289000

RZR100KUV1

Creation of Comfort

R-410A

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




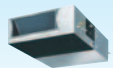
Wide selection with the inverter series






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

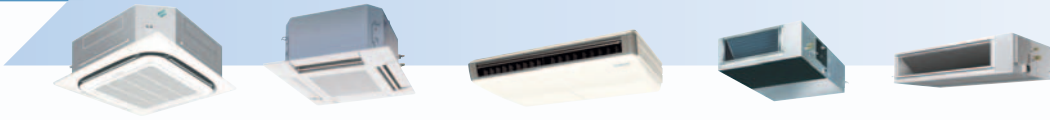
Enhanced Comfort with Daikin Inverter

Comfortable air conditioning is achieved through variable output control made possible by the inverter, which continually maintains the set temperature while detecting load, which varies with time of day and number of room occupants.

Product Lineup

Series	25	35	50	60	71
CEILING MOUNTED CASSETTE TYPE < Round Flow > 					
	Indoor unit				
Outdoor unit					
COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE 	Indoor unit	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
	Outdoor unit	RKS25AVMG	RKS35AVMG	RKS50AVMG	RKS60AVMG
CEILING SUSPENDED TYPE 	Indoor unit		FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B
	Outdoor unit		RKS35AVMG	RKS50AVMG	RKS60AVMG
CEILING MOUNTED BUILT-IN TYPE 	Indoor unit		FBQ50BV1A	FBQ60BV1A	FBQ71BV1A
	Outdoor unit		RXS50FVMA	RXS60FVMA	RXS71FVMA
DUCT CONNECTION MIDDLE/HIGH STATIC PRESSURE TYPE	Indoor unit				
	Outdoor unit				

INVERTER				
				
RKS25AVMG	RKS35AVMG	RKS50AVMG RXS50FVMA	RKS60AVMG RXS60FVMA	RXS71FVMA



Energy savings with high-efficiency inverter

The outdoor unit is equipped with a reluctance DC scroll compressor that utilizes the latest technology. It brings out the full energy-saving potential of the inverter, which controls power used in accordance with load variation.

New, compact outdoor unit

The outdoor unit is easy to install in stores and offices where space is limited.

SkyAir

	71		100		125		140	
	FCQ71KVEA RZR71KUV1	FCQ100KVEA RZR100KUV1	FCQ100KVEA RZR100HUY1	FCQ125KVEA RZR125KUV1	FCQ125KVEA RZR125HUY1	FCQ140KVEA RZR140KUV1	FCQ140KVEA RZR140HUY1	
	FHQ71BVV1B RZR71KUV1	FHQ100BVV1B RZR100KUV1	FHQ100BVV1B RZR100HUY1	FHQ125BVV1B RZR125KUV1	FHQ125BVV1B RZR125HUY1			
	NEW FBQ71DV1 RZR71KUV1	FBQ100DV1 RZR100KUV1	FBQ100DV1 RZR100HUY1	NEW FBQ125DV1 RZR125KUV1	FBQ125DV1 RZR125HUY1	FBQ140DV1 RZR140KUV1	FBQ140DV1 RZR140HUY1	
	Super Inverter							
	NEW 	NEW 	NEW 	NEW 	NEW 	NEW 	NEW 	
	RZR71KUV1	RZR100KUV1	RZR100HUY1	RZR125KUV1	RZR125HUY1	RZR140KUV1	RZR140HUY1	

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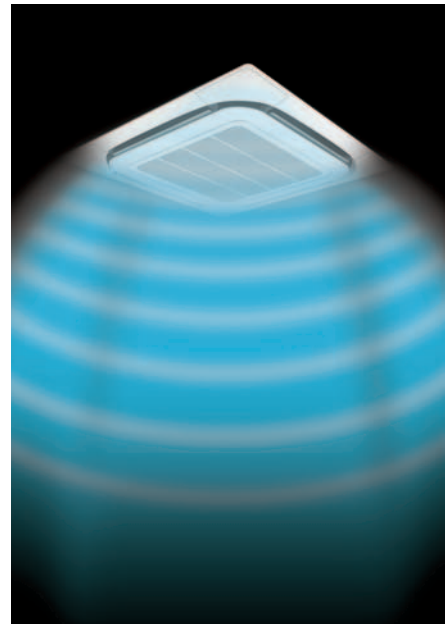
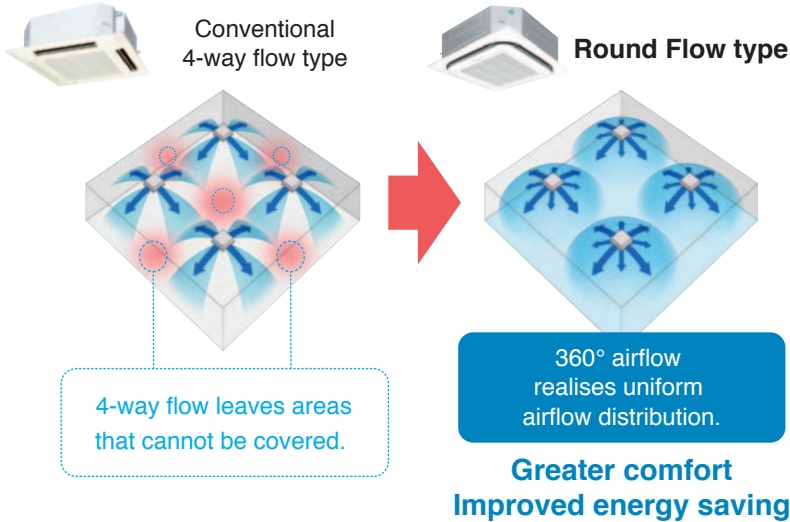
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OUTDOOR UNIT

Round Flow cassette

Comfortable airflow

360° airflow with improved temperature distribution.



Comfortable

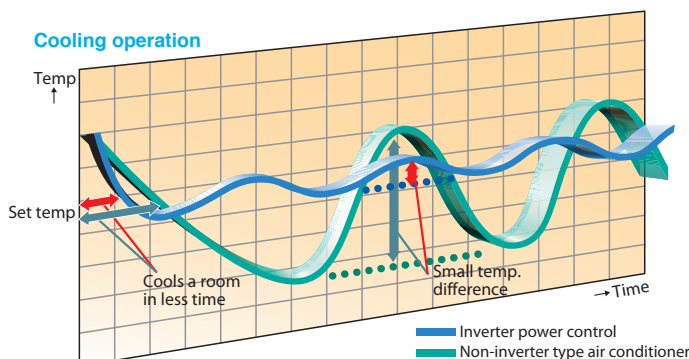


Enhanced comfort with Inverter

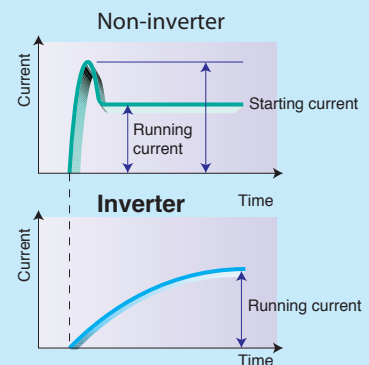
Inverter performs variable control of frequency, which determines air conditioner's power performance.

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.

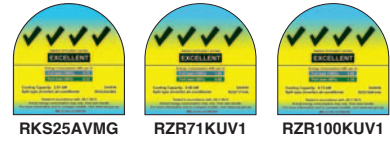
Energy saving

Super Inverter

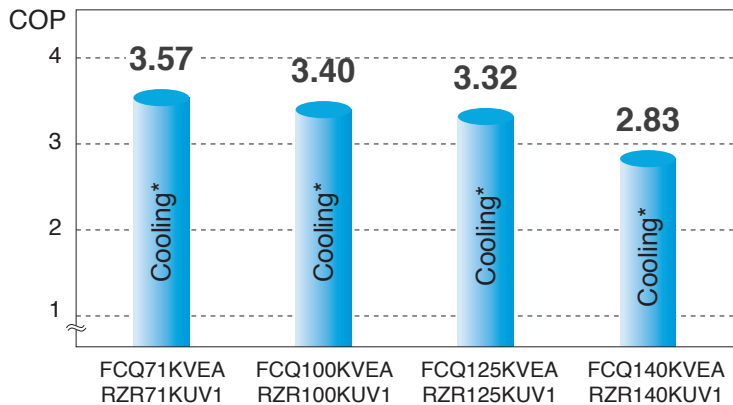
INVERTER

4 Tick Energy Label

Models have received Singapore's 4 Tick Energy Label, which is the highest energy-efficiency rating for inverter type air conditioner. The mandatory labelling scheme was introduced by Singapore National Environment Agency.



Optimised Efficiency with R-410A



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).

Quiet operation

Super Inverter

Night quiet operation function

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

Sound level* (dB(A))		
Rated	Night Quiet Mode	
RZR71KU	48	47
RZR100KU/100HU	49	49
RZR125KU/125HU	50	45
RZR140KU/140HU	50	46

Navigation Remote Controller New

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

Clear Display

- Dot matrix display
- Backlight display

Simple operation

- Large buttons and arrow keys
- Guide on display

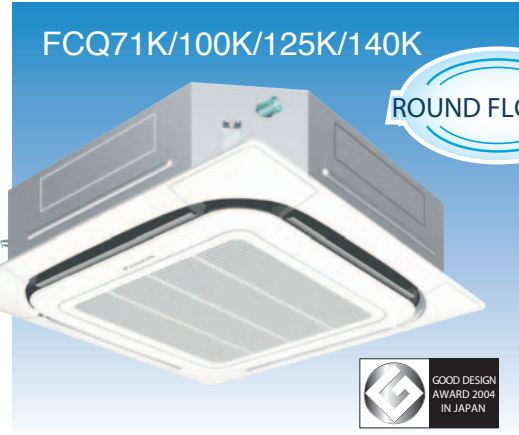
Other Features

- Weekly schedule timer
- Multilingual display



Wired Remote Controller
BRC1E61
(Optional)

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



Wired LCD remote controller



BRC1C61

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)



BRC1E61

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

Features

Feature	Comfort							Mould prevention	Work & Servicing							Control features				Options			Others				
	Auto swing	Swing pattern selection	Switchable fan speed	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Year-round cooling applicable	Timer selector	Mould-resistant treatment for filter	Drain pump mechanism	Pre-charged for up to 30m	Long-life filter	Filter sign	Ceiling soiling prevention	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	Ultra long-life filter	High-efficiency filter	Fresh air intake kit	PE fin
Cooling only	●	●	●	●	●	*1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

*1 Applicable when wired remote controller is used

- Avoids ununiform temperature and uncomfort caused by drafts.

Comfort enhanced by Round Flow!

- 360° airflow

With uniform temperature distribution



Airflow distribution
Creates uniform comfort throughout the space

- Air movement is gentle with Round Flow

Enhanced Comfort



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

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

Adapts easily to the installation space.

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

Typical flow patterns There are a total of 23 flow patterns.

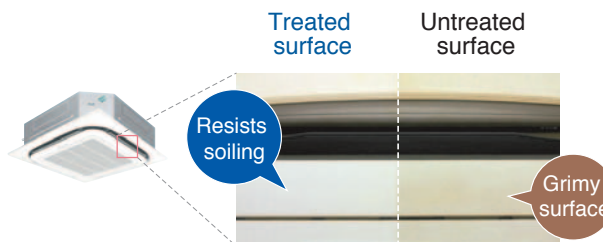
All-round flow	3-way flow	L-shaped 2-way flow	Opposite 2-way flow
(E.g., installed in middle of ceiling) 4-way flow also possible.	(E.g., installed near a wall)	(E.g., installed in a corner)	(E.g., installed in a long room)

Note: Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing 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.



- 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.

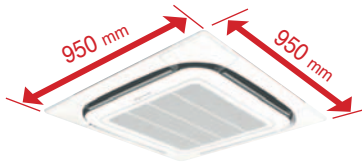
- Filter has anti-mould and bactericidal treatment

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

Fine square panels

Compact body and quiet operation

- Panel size is same for all models, FCQ71-140K. It is easy to maintain a neat appearance when multiple units are installed.



Same for all models

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

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

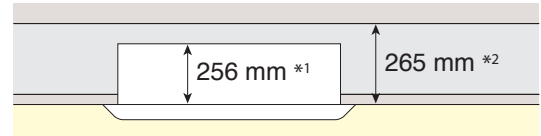
Optimal comfort and convenience assured by air discharge modes

Quick and easy to install

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.

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

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.	



*1 298 mm high with 100K-140K
*2 303 mm high with 100K-140K

*Closing of the corner discharge outlets is recommended.

- 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.

- Suitable for high ceilings

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

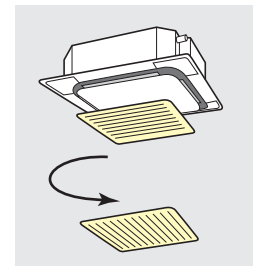
Criteria for ceiling height and number of air discharge outlets

		Number of air discharge outlets used							
		71K				100K-140K			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
Ceiling height	Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m
	High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m
	High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—

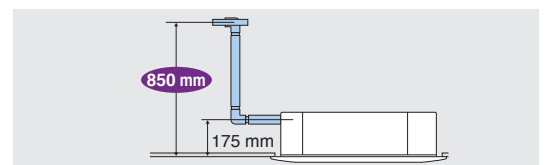
Note: Factory settings are for standard ceiling height and all-round flow. High ceiling settings (1) and (2) are set with the remote controller.

- 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.



- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option (BRC1D61,BRC1E61)) 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.

- 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.



- Switchable fan speed: High/Low

High setting provides maximum reach while low setting minimises drafts.

- Timer selector

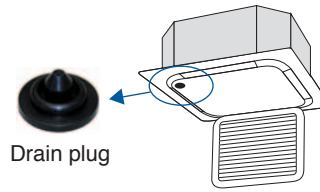
Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

- 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.



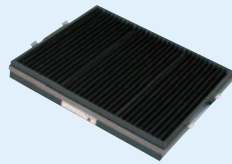
Just open the intake grille!

- 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/m³ (Requires separately sold Air Cleaner.)
1 year (Approx. 5,000 hr) ≈ 15 hr/day x 28 day/month x 12 month/year

Ordinary store or office: filter change every 4 years

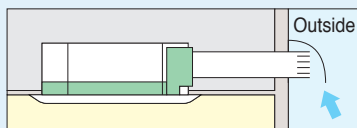
*For dust concentration of 0.15 mg/m³
4 years (Approx. 10,000 hr) ≈ 8 hr/day x 25 day/month x 4 years

High-efficiency filter

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

Fresh air intake kit

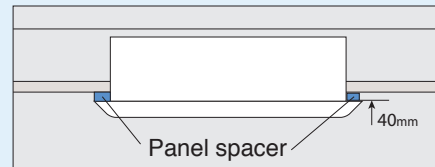
Using this kit, a duct can be fitted to increase the intake of outdoor air.



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

Panel spacer

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



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

Sealing 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)

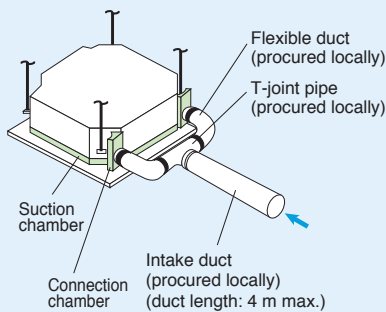
A round duct can be attached without the need for a chamber. A flanged port for direct connection of a round duct is provided. An existing branch duct chamber can also be fitted (square slit hole).

The units can be installed in the following different ways.

Chamber type

(without T-joint pipe and fan)

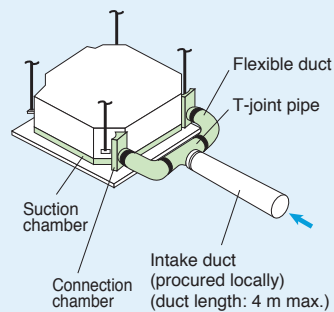
KDDP55K160



Chamber type

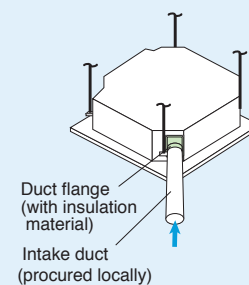
(with T-joint pipe and without fan)

KDDP55K160K



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/50B/60B

Wired LCD remote controller

BRC1C61

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)

BRC1E61

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

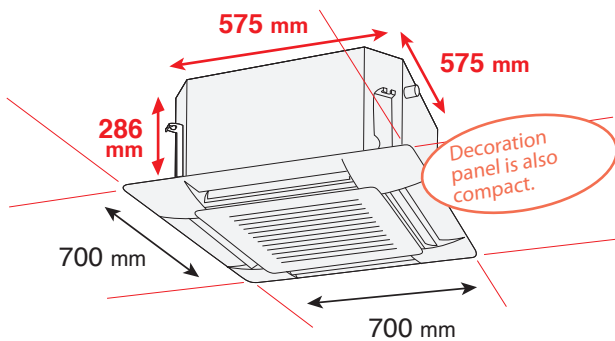
Features

Feature	Comfort							Mould prevention	Work & Servicing						Control features					Option	Others	
	Auto swing	Swing pattern selection	Switchable fan speed	Programme "Dry"	Two selectable temperature-sensors	Year-round cooling applicable	Timer selector	Mould-resistant treatment for filter	Drain pump mechanism	Pre-charged for up to 10 m	Long-life filter	Filter sign	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	Fresh air intake kit	PE fin
Cooling only	•	•	•	•	*1	•	•	•	*2	•	•	•	•	•	•	•	•	•	•	•	•	•

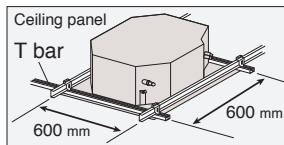
*1 Applicable when wired remote controller is used
*2 Applicable to RKS25/35/50/60AVMG outdoor units

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.

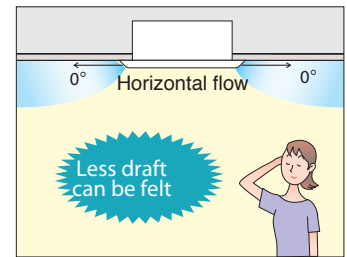


Indoor unit	dB(A)	
	High	Low
25B	29.5	24.5
35B	32	25
50B	36	27
60B	41	32

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

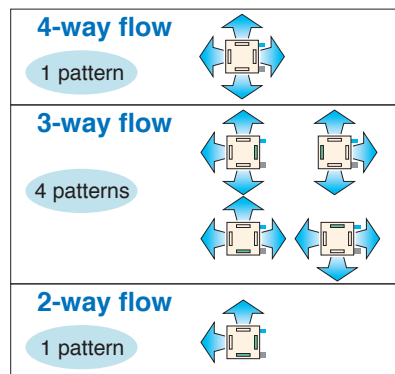
- Auto-swing operation distributes conditioned air more evenly.

- 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.

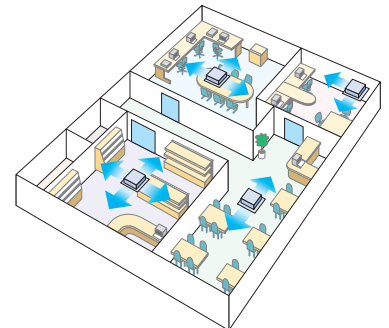
- Multi-Flow System



"■" 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,BRC1E61)) 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.

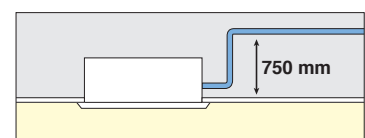
*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.

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

- Switchable fan speed: High/Low

High setting provides maximum reach while low setting minimises drafts.

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



Upgrade to a quiet and compact system.



FHQ35BV/50BV/60BV/71BV
100BV/125BV



Wired LCD remote controller



BRC1C61

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)



BRC1E61

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

Features

Feature	Comfort							Mould prevention	Work & Servicing							Control features					Others	
	Auto swing	Switchable fan speed	Programme "Dry"	High ceiling application *1	Two selectable temperature-sensors	Year-round cooling applicable	Timer selector	Mould-resistant treatment for filter	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	Control by 1 remote controller	External command control	Central remote control	Interlock control	PE fin
Model	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cooling only	•	•	•	•	*2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

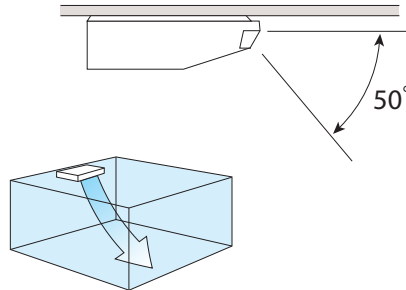
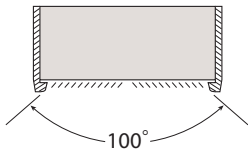
*1 Installable on max. 3.5 m high ceiling

*2 Applicable when wired remote controller is used

*3 Applicable to RZR71KU, 100KU, 125KU, 140KU, RZR100HU, 125HU, 140HU 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,BRC1E61)) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area by 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/Middle/Low
- Programme "Dry"
Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Installation flexibility for freedom of design

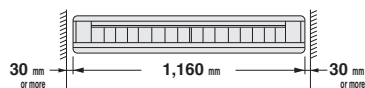
- Uniform height and depth. Compact design for small-capacity models to meet tighter dimensional

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

- Flexible installation

The unit fits more snugly into tight spaces.

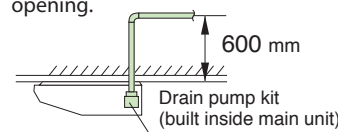
For 71BV indoor unit



*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 RZR71KU, 100KU, 125KU, 140KU, RZR100HU, 125HU, 140HU outdoor units)

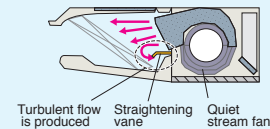
Quiet operation

- Sound operation has been reduced on the exposed ceiling suspended type unit. dB(A)

Indoor unit	High	Low
35BV	37	32
50BV	38	33
60BV	39	33
71BV	39	35
100BV	42	37
125BV	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

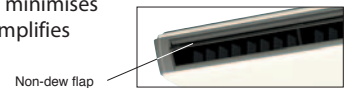
- Long-life filter lasts about half year * maintenance not required

* For dust concentration of 0.15 mg/m³

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.

Clever and compact mini ducted unit provides comfort and flexibility.



Wired LCD remote controller



BRC1C61

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.



BRC4C62



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)



BRC1E61

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

Features

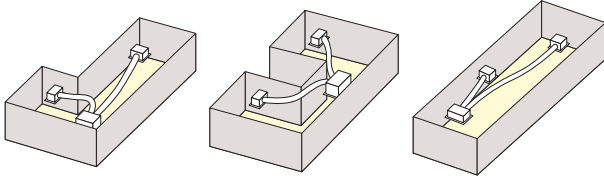
Feature	Comfort					Work & Servicing				Control features					Option	Others	
	Switchable fan speed	Programme "Dry"	Year-round cooling applicable	Timer selector	Two selectable temperature-sensors	Pre-charged for up to 10 m	Filter sign	Low gas pressure detection	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	High efficiency filter option	PE fin
Model	•	•	•	•	*1	•	•	—	•	•	•	•	•	•	•	—	•
Cooling only	•	•	•	•	*1	•	•	—	•	•	•	•	•	•	•	—	•

*1 Applicable when wired remote controller is used

Comfortable

- Flexibly adapts to shop interiors

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



L-shaped space

U-shaped space

Long space

- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option (BRC1D61,BRC1E61)) 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

- Programme "Dry"

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

Quiet operation

dB(A)

Indoor unit	High	Low
50B	33	29
60B	34	30
71B	34	30

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



Compact

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

Height reduced to allow installation in confined spaces.

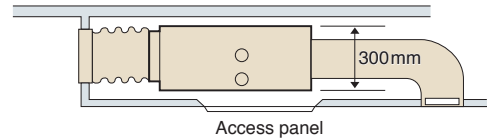
(mm)

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

Work & Servicing

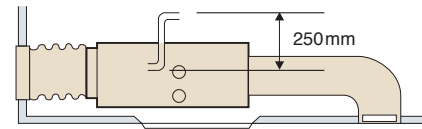
- The height of the unit is a mere 300* mm. It can be installed in a narrow ceiling space. (when access panel is used.)

*350mm high with 100B8-125B8.



Access panel

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



Access panel

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

External static pressure pattern

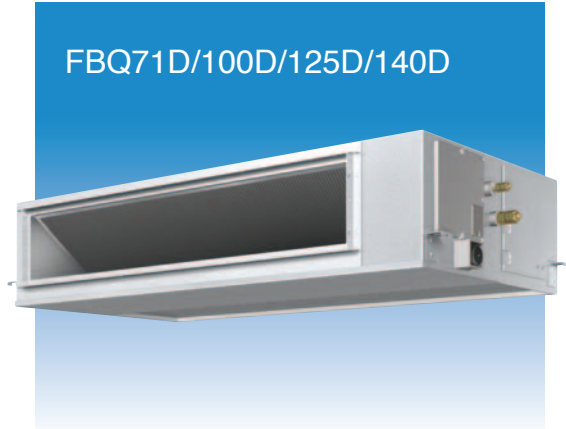
(Pa)

Indoor unit	High	Standard	Low
50B-71B	88	49	20

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

NEW

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



Wired LCD remote controller



BRC1C61

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

Option

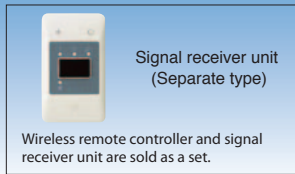
Accessory required for indoor unit

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.



BRC4C62



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)



BRC1E61

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

Features

Feature	Comfort				Work & Servicing				Control features					Option	Others		
	Switchable fan speed	Programme "Dry"	Year-round cooling applicable	Timer selector	Two selectable temperature-sensors	Pre-charged for up to 30 m	Filter sign	Low gas pressure detection	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	High efficiency filter option	PE fin
Model	•	•	•	•	*1	*2	•	*2	•	•	•	•	•	•	•	•	•
Cooling only	•	•	•	•													

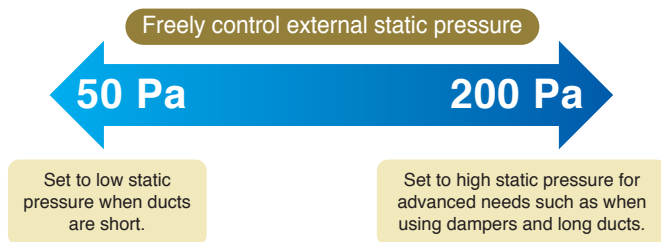
*1 Applicable when wired remote controller is used

*2 Applicable to RZR71KU, 100KU, 125KU, 140KU, RZR100HU, 125HU, 140HU outdoor units

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.



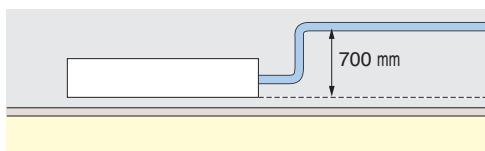
Thin, lightweight indoor unit makes delivery and installation easy.

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



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

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



Reduced installation time

- Use remote controller to adjust airflow

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

- Adjust to approximately $\pm 10\%$ of the rated H tap airflow.
- Once actual operation has begun, adjustment of the rated airflow is not possible.

Quiet operation

	71D	100D	125D	140D
High	37	38	40	40
Low	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.

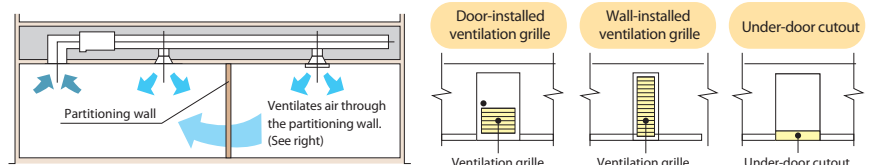
This feature must be set during commissioning by the technicians.

*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.

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.

Super Inverter

The final word in inverter technology



RZR71KUV1



RZR71KUV1



RZR100KUV1
RZR125KUV1
RZR140KUV1



RZR100KUV1



RZR100HUY1
RZR125HUY1
RZR140HUY1

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.

50 m piping length

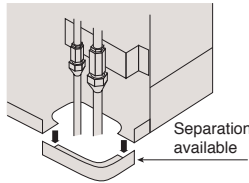
Allowed refrigerant piping length and level difference

	Pre charged ¹	Max. length	Max. level difference
71KU	30 m	50 m (Equivalent length 70m)	30 m
100KU	30 m	50 m (Equivalent length 70m)	30 m
100HU	30 m	50 m (Equivalent length 70m)	30 m
125KU	30 m	50 m (Equivalent length 70m)	30 m
125HU	30 m	50 m (Equivalent length 70m)	30 m
140KU	30 m	50 m (Equivalent length 70m)	30 m
140HU	30 m	50 m (Equivalent length 70m)	30 m

Note : ¹Additional 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)

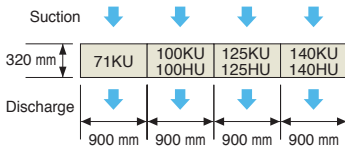
A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified.

Low gas pressure detection function

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

Easy centralised installation with the module oriented design

Depth of 71KU, 100-140KU, 100-140HU, are standardised as 320 mm. Horizontal continuous mounting is available.



Space saving

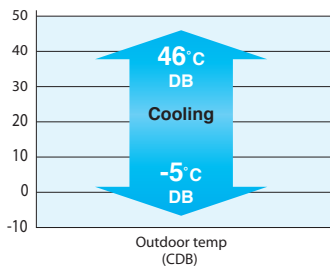
Compact design with reduced height

(Compared to RZQ100-160PV4A)

Reduced installation work thanks to light, compact outdoor unit.

(Applicable to RZR100-140KU, 100-140HU outdoor units)

Operation range



Safety

Reinforcing wire fittings (option) are available

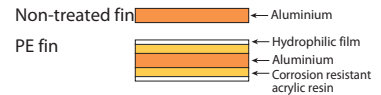
Fittings can be mounted on the four locations, right/ left on front and back side of the outdoor unit.

Durability

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

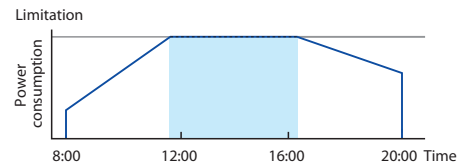
Heat exchange fins provided with anti-corrosion treatment

Construction



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.



* Required for KRP58M51 (Option)

Technology

A collection of cutting-edge technologies achieve efficient and quiet operation.

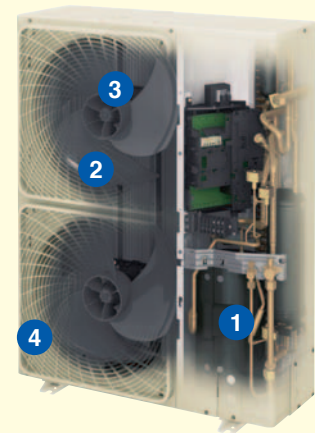
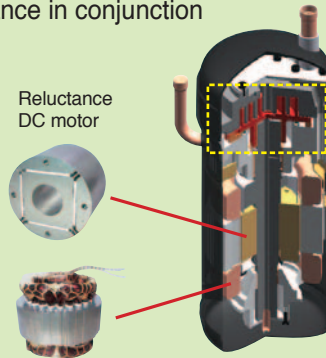
The high efficiency compressor to achieve a high COP

1 Reluctance DC Scroll Compressor

Overheating losses are reduced by pressurising the area around the motor, energy saving performance in conjunction with other features.

High thrust mechanism

By introducing high pressure oil, the reactive force from the fixed scroll is added to the internal force, thereby reducing thrust losses. This results in improved efficiency and suppressed sound levels.



RZR71KUV1
RZR100KUV1
RZR125KUV1
RZR140KUV1

>> Powerful magnets

Use of neodymium magnets in the motor enables efficient generation of high torque, reducing the size of the compressor.

Neodymium magnet is well known for its powerfulness compared to commonly used ferrite magnets.

>> Stronger materials

The strength of the casing has been increased by boosting the internal dome pressure.

>> Smooth sine wave DC inverter

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

Sine wave DC inverter



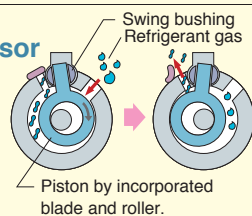
>> Optimal refrigerant configuration

Changes to the shape of the spiral and volume ratio result in optimal refrigerant layout.

RZR71KUV1

>> Swing compressor

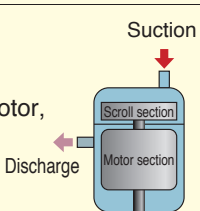
Energy savings is realised, eliminating the friction and the leakage of refrigerant gas.



RZR100,125,140KUV1

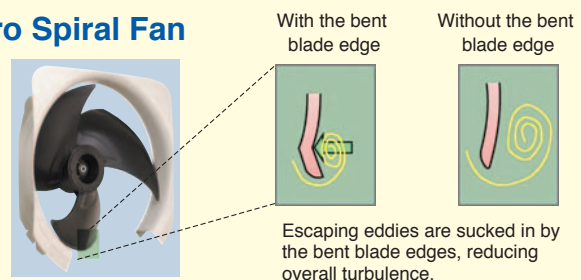
>> The structural scroll

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

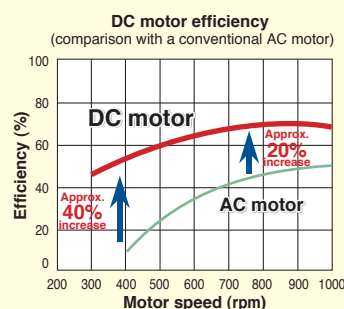
These two features work to significantly reduce noise. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.



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.

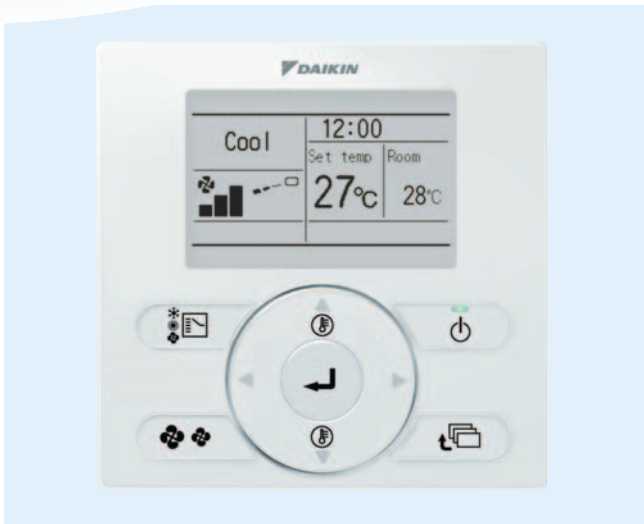
4 Super Aero Grille

Refined ventilation mechanism enables further reduction in required fan power.

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 BRC1E61)



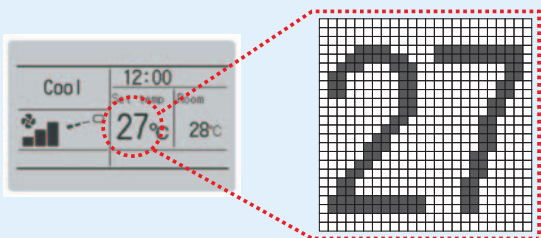
Clear display, Simple operation, "Navigation Remote Controller"!

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

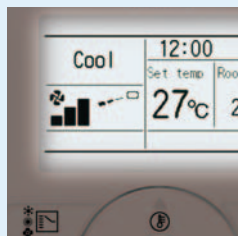
Dot matrix display

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

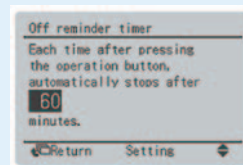
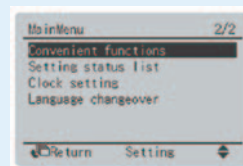
Large buttons and arrow keys



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

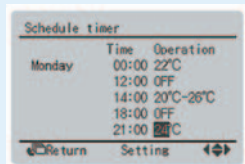
The display gives an explanation of each setting for easy operation.



Other Features

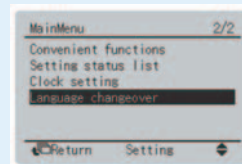
Weekly schedule timer

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.



BRC1C61

- 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.

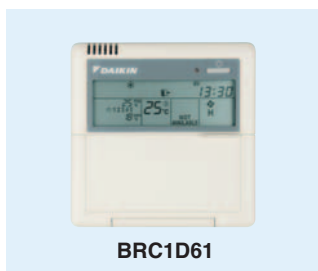
Wired remote controller has built-in temperature-sensor

(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.

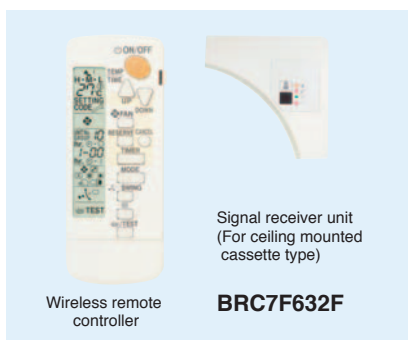
Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).

- 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



Wireless remote controller

Signal receiver unit
(For ceiling mounted cassette type)

BRC7F632F

- 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 HRV (heat reclaim ventilation) 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
CEILING MOUNTED BUILT-IN TYPE	BRC4C62
DUCT CONNECTION MIDDLE HIGH STATIC PRESSURE TYPE	BRC4C62

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).



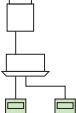
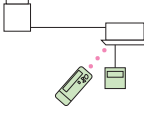
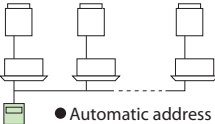
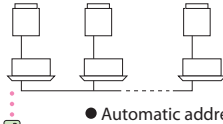
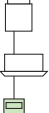

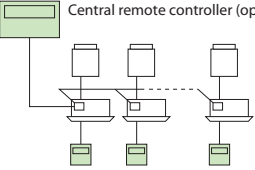
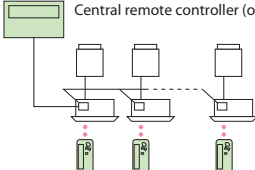
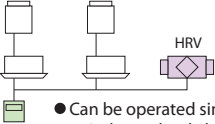
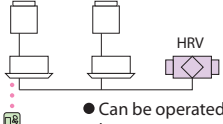
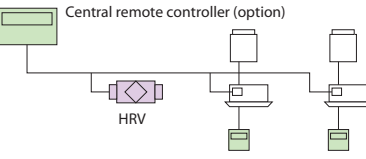
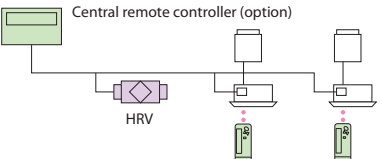
Programming time display

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"> ● Non-polar, double-core (max. wiring length 500 m) 	 <ul style="list-style-type: none"> ● Signal receiver unit installed on indoor unit
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"> ● Connects 2 wired remote controllers 	 <ul style="list-style-type: none"> ● Control by 1 wireless remote controller and 1 wired remote controller (See note 1) ● Signal receiver unit installed on indoor unit
Group control	For simultaneous control of up to 16 indoor units.	 <ul style="list-style-type: none"> ● Automatic address setting function 	 <ul style="list-style-type: none"> ● Automatic address setting function ● Signal receiver unit installed on 1 indoor unit
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"> ● Optional wiring adaptor for electrical appendices is necessary 	 <ul style="list-style-type: none"> ● Optional wiring adaptor for electrical appendices is necessary
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"> ● Central remote controller (option) ● Optional SkyAir series interface adaptor required. ¹ 	 <ul style="list-style-type: none"> ● Central remote controller (option) ● Optional SkyAir series interface adaptor required. ¹
Interlock control with HRV	Link by remote controller group control.	 <ul style="list-style-type: none"> ● Can be operated simultaneously or independently by remote controller (set by ventilation mode) 	 <ul style="list-style-type: none"> ● Can be operated simultaneously by remote controller (set by ventilation mode)
	Zone link control by centralised control.	 <ul style="list-style-type: none"> ● HRV for indoor units within a zone are operated by interlocking. Can also be operated independently by remote controller. 	 <ul style="list-style-type: none"> ● HRV for indoor units within a zone are operated by interlocking

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.
¹The ceiling mounted cassette 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)  <p>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.</p>	DCS301BA61 (Option)  <p>Centralised control of on/off by group or all at once for up to 256 indoor units.</p>	DST301BA61 (Option)  <p>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.</p>	DCS601C51 (Option)  <p>With its high functionality, the full colour "all-in-one" graphic controller facilitates management of SkyAir System in a variety of ways. *Please refer to the page 29 for the details.</p>

Interface adaptor for SkyAir series
DTA112BA51 (Option)

Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin VRV system. Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.

- The interface adaptor for the Skyair series is optional except for the ceiling mounted cassette type.

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.

■ Air discharge direction angle can be set (fixed setting)

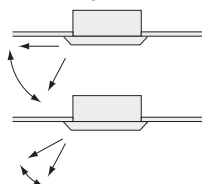


Swing pattern selection

(standard, ceiling soiling prevention)

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

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



Switchable fan speed

*available on all models.

High setting provides maximum reach while low setting minimises drafts.

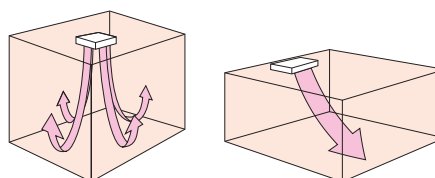
Programme "Dry" with a humidity sensor

*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.



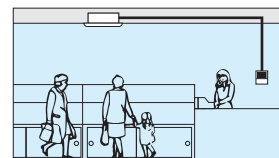
Note: When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

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.



Year-round cooling applicable

Efficient cooling even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.

- The year-round cooling kit is required as option.

Timer selector

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

Mould prevention

Mould-resistant treatment for filter

Sanitary filter has mould-resistant treatment.

Mould-proofing drain pan

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

Others

PE fin

*available on all models.

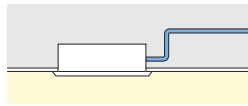
To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acrylic pretreatment) are used for the heat exchanger of the outdoor unit. In high corrosive areas, regular maintenance needs to be carried out.

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

Work and Servicing

■ Drain pump mechanism

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



■ Pre charged for up to 30 metres

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

*Applicable to RZR71-140KU, 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.

■ 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 ventilation (HRV).

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/m³

■ 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.

SPECIFICATIONS

CEILING MOUNTED CASSETTE TYPE

		71	100	125	140	100	125	140				
Model Name	Indoor unit	FCQ71KVEA	FCQ100KVEA	FCQ125KVEA	FCQ140KVEA	FCQ100KVEA	FCQ125KVEA	FCQ140KVEA				
	Outdoor unit	RZR71KUV1	RZR100KUV1	RZR125KUV1	RZR140KUV1	RZR100HUY1	RZR125HUY1	RZR140HUY1				
Power supply		1 Phase, 220-240 V, 50 Hz				3 Phase, 380-415 V, 50 Hz						
Cooling capacity ¹ Rated (Min. - Max.)		kW		7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)		
Power consumption		kW		1.99	2.94	3.77	4.95	2.94	3.77	4.95		
Indoor unit	Colour	Unit	Fresh white									
		Decoration panel	Fresh white									
	Airflow rate (H/L)	m ³ /min	21/13.5	32/20	33/22.5	33/22.5	32/20	33/22.5	33/22.5			
		cfm	741/476	1,129/706	1,164/794	1,164/794	1,129/706	1,164/794	1,164/794			
	Sound level (H/L) ²	dB(A)	35/28	43/32	44/34	44/36	43/32	44/34	44/36			
	Dimensions (H×W×D)	Unit	mm	256×840×840	298×840×840	298×840×840	298×840×840	298×840×840	298×840×840	298×840×840		
		Decoration panel	mm	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950		
	Machine weight	Unit	kg	21	24	24	24	24	24	24		
	Decoration panel	kg	5.5	5.5	5.5	5.5	5.5	5.5	5.5			
Certified operation range		Cooling	°CWB									
Outdoor unit	Colour	14 to 28 Ivory white										
	Compressor	Type	Hermetically sealed swing type		Hermetically sealed scroll type							
		Motor output	kW		1.5	1.8	2.4	3.1	1.6	2.3	2.8	
	Refrigerant charge (R-410A)	kg	1.75 (Charged for 30 m)		2.4 (Charged for 30 m)		3.7 (Charged for 30 m)		3.9 (Charged for 30 m)		4.3 (Charged for 30 m)	
	Sound level ²	Cooling	dB(A)		48	49	50	50	49	50	50	
		Night quiet mode	dB(A)		47	49	45	46	49	45	46	
	Dimensions (H×W×D)	mm	770×900×320	1,170×900×320	1,170×900×320	1,170×900×320	1,345×900×320	1,345×900×320	1,345×900×320	1,345×900×320		
	Machine weight	kg	61	92	97	97	94	104	104			
Certified operation range		Cooling	°CDB									
Piping connections	Liquid (Flare)	mm	ø9.5									
	Gas (Flare)	mm	ø15.9									
	Drain	Indoor unit	mm	I.D ø25×O.D ø32		I.D ø25×O.D ø32		I.D ø25×O.D ø32		I.D ø25×O.D ø32		
		Outdoor unit	mm	ø26.0 (Hole)		ø26.0 (Hole)		ø26.0 (Hole)		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	50	60				
Model Name	Indoor unit	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B				
	Outdoor unit	RKS25AVMG	RKS35AVMG	RKS50AVMG	RKS60AVMG				
Power supply		1 Phase, 220-240 V, 50 Hz							
Cooling capacity ¹ Rated (Min. - Max.)		kW		2.5 (1.2-3.0)	3.4 (1.2-3.7)	4.7 (1.7-5.6)	5.8 (1.7-6.0)		
Power consumption		kW		0.73	1.10	1.62	2.07		
Indoor unit	Colour	Unit	White						
		Decoration panel	White						
	Airflow rate (H)	m ³ /min	9/6.5	10/6.5	12/8	15/10			
		cfm	317/229	353/229	423/282	529/353			
	Sound level (H/L) ²	dB(A)	29.5/24.5	32/25	36/27	41/32			
	Dimensions (H×W×D)	Unit	mm	286×575×575		286×575×575	286×575×575		
		Decoration panel	mm	55×700×700		55×700×700	55×700×700		
	Machine weight	Unit	kg	17.5		17.5	17.5		
	Decoration panel	kg	2.7		2.7	2.7			
Certified operation range		°CWB	14 to 28						
Outdoor unit	Colour	14 to 28 Ivory white							
	Compressor	Type	Hermetically sealed swing type						
		Motor output	kW		0.6	0.6	1.1	1.1	
	Refrigerant charge (R-410A)	kg	1.0 (Charged for 10 m)		1.0 (Charged for 10 m)		1.5 (Charged for 10 m)		
	Sound level ²	dB(A)	46		47		49		
	Dimensions (H×W×D)	mm	550×765×285		550×765×285		735×825×300		
	Machine weight	kg	34		34		48		
	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)		VP20 (I.D ø20×O.D ø26)		VP20 (I.D ø20×O.D ø26)	
		Outdoor unit	mm	ø18.0 (Hole)		ø18.0 (Hole)		ø18.0 (Hole)	
Max. interunit piping length		m	20		30		20		
Max. installation level difference		m	15		20		20		
Heat insulation		Both liquid and gas piping							

Note :

¹Rated 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).

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

³Numerical values are according to ISO 3741:1999.

SPECIFICATIONS

CEILING SUSPENDED TYPE

		35	50	60	71	100	125		
Model Name	Indoor unit	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B		
	Outdoor unit	RKS35AVMG	RKS50AVMG	RKS60AVMG	RZR71KUV1	RZR100KUV1	RZR125KUV1		
Power supply		1 Phase, 220-240 V, 50 Hz			1 Phase, 200-240 V, 50 Hz				
Cooling capacity ¹ Rated (Min. - Max.)		kW	3.4 (1.2-3.7)	5.0 (1.7-5.6)	5.7 (1.7-6.0)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	
Power consumption		kW	1.05	1.72	2.00	2.50	3.51	4.55	
Indoor unit	Colour		White						
	Airflow rate (H)	m ³ /min	13/10	13/10	17/13	17/14	24/20	30/25	
		cfm	458/353	458/353	600/458	600/494	847/706	1,059/883	
	Sound level (H/L) ²	dB(A)	37/32	38/33	39/33	39/35	42/37	44/39	
	Dimensions (HxWxD)	mm	195x960x680	195x960x680	195x1,160x680	195x1,160x680	195x1,400x680	195x1,590x680	
	Machine weight	kg	24	25	27	27	32	35	
Certified operation range		°CWB	14 to 28			14 to 28			
Outdoor unit	Colour		Ivory white						
	Compressor	Type	Hermetically sealed swing type			Hermetically sealed scroll type			
		Motor output	kW	0.6	1.1	1.1	1.7	2.1	2.6
	Refrigerant charge (R-410A)	kg	1.0 (Charged for 10 m)	1.5 (Charged for 10 m)	1.5 (Charged for 10 m)	1.75 (Charged for 30 m)	2.4 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level ²	dB(A)	47	47	49	48	49	50	
	Dimensions (HxWxD)	mm	550x765x285	735x825x300	735x825x300	770x900x320	1,170x900x320	1,170x900x320	
	Machine weight	kg	34	47	47	61	92	97	
	Certified operation range		°CDB	10 to 46			-5 to 46		
Piping connections	Liquid (Flare)	mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø9.5	ø12.7	ø12.7	ø15.9	ø15.9	ø15.9	
	Drain	Indoor unit	VP20 (I.D.ø20xO.D.ø26)					VP20 (External dia.26, internal dia.20)	
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length		m	20	30	30	50 (Equivalent length 70)			
Max. installation level difference		m	15	20		30			
Heat insulation		Both liquid and gas piping							

CEILING SUSPENDED TYPE

		100	125	
Model Name	Indoor unit	FHQ100BVV1B	FHQ125BVV1B	
	Outdoor unit	RZR100HUY1	RZR125HUY1	
Power supply		3 Phase, 380-415 V, 50 Hz		
Cooling capacity ¹ Rated (Min. - Max.)		kW	10.0 (5.0-11.2)	12.5 (5.7-14.0)
Power consumption		kW	3.51	4.55
Indoor unit	Colour		White	
	Airflow rate (H/L)	m ³ /min	24/20	30/25
		cfm	847/706	1,059/883
	Sound level (H/L) ²	dB(A)	42/37	44/39
	Dimensions (HxWxD)	mm	195x1,400x680	195x1,590x680
	Machine weight	kg	32	35
Certified operation range		°CWB	14 to 28	
Outdoor unit	Colour		Ivory white	
	Compressor	Type	Hermetically sealed scroll type	
		Motor output	kW	2.1
	Refrigerant charge (R-410A)	kg	3.9 (Charged for 30 m)	4.3 (Charged for 30 m)
	Sound level ²	dB(A)	49	50
	Dimensions (HxWxD)	mm	1,345x900x320	1,345x900x320
	Machine weight	kg	94	104
	Certified operation range		°CDB	-5 to 46
Piping connections	Liquid (Flare)	mm	ø9.5	ø9.5
	Gas (Flare)	mm	ø15.9	ø15.9
	Drain	Indoor unit	VP20 (External dia.26, internal dia.20)	
		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 :

¹Rated 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).

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

CEILING MOUNTED BUILT-IN TYPE

		50		60		71						
Model Name	Indoor unit			FBQ50BV1A		FBQ60BV1A		FBQ71BV1A				
	Outdoor unit			RXS50FAVMA		RXS60FVMA		RXS71FVMA				
Power supply		1 Phase, 220-240 V, 50 Hz										
Cooling capacity ¹ Rated (Min. - Max.)		kW		5.0 (1.7-5.6)		5.7 (1.7-7.0)		6.7 (2.3-8.0)				
Power consumption		Cooling		kW		2.23		2.57				
Indoor unit	Colour			Ivory white								
	Fan	Airflow rate (H/L)	Cooling	m ³ /min		13/9		18/13		18/13		
				cfm		459/318		636/459		636/459		
	External static pressure ² (High-Standard-Low)			Pa		88-49-20		88-49-20		88-49-20		
	Sound level ³			Cooling (H/L)		dB(A)		33/29		34/30		
	Dimensions (HxWxD)			mm		300x700x800		300x1000x800		300x1000x800		
	Machine weight			kg		34		41		41		
Certified Operation range		Cooling		°CWB		14 to 28		14 to 28		14 to 28		
Outdoor unit	Colour			Ivory white								
	Compressor		Type		Hermetically sealed swing type							
			Motor output		kW		1.1		1.1		1.92	
	Refrigerant charge (R-410A)		kg		1.5 (Charged for 10 m)		1.5 (Charged for 10 m)		2.3 (Charged for 10 m)		2.3 (Charged for 10 m)	
	Sound level ³		Cooling		dB(A)		47		49		52	
			Night quiet mode		dB(A)		47		49		52	
	Dimensions (HxWxD)			mm		735x825x300		735x825x300		770x900x320		770x900x320
Machine weight			kg		48		48		71		71	
Certified Operation range		Cooling		°CDB		10 to 46		10 to 46		10 to 46		
Piping connections	Liquid		mm		ø6.4		ø6.4		ø6.4		ø6.4	
	Gas		mm		ø12.7		ø12.7		ø15.9		ø15.9	
	Drain		Indoor unit		mm		ø18.0		ø18.0		ø18.0	
			Outdoor unit		mm		ø18.0		ø18.0		ø18.0	
Max. interunit piping length		m		30		30		30		30		
Max. installation level difference		m		20		20		20		20		
Heat insulation				Both liquid and gas piping								

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

		71		100		125		140		100		125		140							
Model Name	Indoor unit			FBQ71DV1		FBQ100DV1		FBQ125DV1		FBQ140DV1		FBQ100DV1		FBQ125DV1		FBQ140DV1					
	Outdoor unit			RZR71KUV1		RZR100KUV1		RZR125KUV1		RZR140KUV1		RZR100HUY1		RZR125HUY1		RZR140HUY1					
Power supply		1 Phase, 220-240 V, 50 Hz								3 Phase, 380-415 V, 50 Hz											
Cooling capacity ¹ Rated (Min. - Max.)		kW		7.1 (3.2-8.0)		10.0 (5.0-11.2)		12.5 (5.7-14.0)		14.0 (6.25-15.4)		10.0 (5.0-11.2)		12.5 (5.7-14.0)		14.0 (6.25-15.4)					
Power consumption		Cooling		kW		2.22		3.13		3.97		4.75		3.13		3.97		4.75			
Indoor unit	Colour			Ivory white																	
	Fan	Airflow rate (H/L)	Cooling	m ³ /min		18/15		32/23		39/28		39/28		32/23		39/28		39/28			
				cfm		635/530		1,130/812		1,377/988		1,377/988		1,130/812		1,377/988		1,377/988			
	External static pressure ² (High-Standard-Low)			Pa		NA		NA		NA		NA		NA		NA		NA			
	Sound level ³			Cooling (H/L)		dB(A)		37/32		38/33		40/36		40/36		38/33		40/36		40/36	
	Dimensions (HxWxD)			mm		300x1,000x700		300x1,400x700		300x1,400x700		300x1,400x700		300x1,400x700		300x1,400x700		300x1,400x700		300x1,400x700	
	Machine weight			kg		36		46		46		46		46		46		46		46	
Certified Operation range		Cooling		°CWB		14 to 28		14 to 28		14 to 28		14 to 28		14 to 28		14 to 28		14 to 28			
Outdoor unit	Colour			Ivory white																	
	Compressor		Type		Hermetically sealed swing type		Hermetically sealed scroll type														
			Motor output		kW		1.5		1.8		2.4		2.9		1.6		2.3		2.8		
	Refrigerant charge (R-410A)		kg		1.75 (Charged for 30 m)		2.4 (Charged for 30 m)		3.7 (Charged for 10 m)		3.7 (Charged for 30 m)		3.9 (Charged for 30 m)		4.3 (Charged for 30 m)		4.3 (Charged for 30 m)				
	Sound level ³		Cooling		dB(A)		48		49		50		50		49		50		50		
			Night quiet mode		dB(A)		47		49		45		46		49		45		46		
	Dimensions (HxWxD)			mm		770x900x320		1,170x900x320		1,170x900x320		1,170x900x320		1,345x900x320		1,345x900x320		1,345x900x320		1,345x900x320	
Machine weight			kg		61		92		97		97		94		104		104		104		
Certified Operation range		Cooling		°CDB		-5 to 46		-5 to 46		-5 to 46		-5 to 46		-5 to 46		-5 to 46		-5 to 46			
Piping connections	Liquid (Flare)		mm		ø9.5		ø9.5		ø9.5		ø9.5		ø9.5		ø9.5		ø9.5		ø9.5		
	Gas (Flare)		mm		ø15.9		ø15.9		ø15.9		ø15.9		ø15.9		ø15.9		ø15.9		ø15.9		
	Drain		Indoor unit		mm		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		
		Outdoor unit ⁴		mm		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)		ø26 (Hole)			
Max. interunit piping length		m		50 (Equivalent length 70)		50 (Equivalent length 70)		50 (Equivalent length 70)		50 (Equivalent length 70)		50 (Equivalent length 70)		50 (Equivalent length 70)		50 (Equivalent length 70)		50 (Equivalent length 70)			
Max. installation level difference		m		30		30		30		30		30		30		30		30			
Heat insulation				Both liquid and gas piping																	

Note :

¹(FBQ50B-71B) :Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal)

(FBQ100B-125B):Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal)

(FBQ71D-140D) :Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal)

²Initial setting is standard.

³Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

⁴In case of drain piping for outdoor unit, drain piping kit (option) is needed.

Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option	Remark	Kit name			
		FCQ71KVEA	FCQ100KVEA	FCQ125KVEA	FCQ140KVEA
Decoration panel		BYCP125K-W1			
Sealing member of air discharge outlet		KDBH55K160F			
Panel spacer		KDBP55H160FA			
Fresh air intake kit ¹	Chamber type	Without the T-joint pipe and fan	KDDP55K160		
		With the T-joint pipe, without fan	KDDP55K160K		
	Direct installation type	KDDP55X160			
Chamber connection kit ²		KKSJ55K160			
Insulation kit for high humidity		KDTP55K80	KDTP55K160		
High-efficiency filter	(Colorimetric method 65%)	KAFP556H80	KAFP556H160		
		(Colorimetric method 90%)	KAFP557H80	KAFP557H160	
Replacement high-efficiency filter	(Colorimetric method 65%)	KAFP552H80	KAFP552H160		
		(Colorimetric method 90%)	KAFP553H80	KAFP553H160	
Filter chamber		KDDFP55H160			
Long-life filter		KAFP551K160			
Ultra long-life filter		KAFP55H160			
Replacement ultra long-life filter		KAFP55H160H			
Branch duct chamber		KDJP55H80	KDJP55H160		
Remote controller		Wireless type	BRC7F632F		
Wired LCD remote controller with weekly schedule timer		BRC1D61			
Navigation Remote Controller		Wired type ³	BRC1E61		
Central remote controller ⁴		DCS302CA61			
Unified ON/OFF controller ⁴		DCS301BA61			
Schedule timer ⁴		DST301BA61			
Intelligent Touch Controller ⁴		DCS601C51			
Adaptor for wiring ⁵		KRP1C63			
Group control adaptor ⁵		KRP4AA53			
Installation box for adaptor PCB		KRP1H98			
Remote sensor (for indoor temperature)		KRCS01-4B			

Note: ¹Refer to page 8 for the details.

²Required for installing high-efficiency filter or ultra long-life filter.

³Wiring for wired remote controller to be procured locally.

⁴The indoor unit is equipped standardly with the interface for SkyAir series and an option is unnecessary.

⁵Installation box for adaptor PCB (KRP1H98) is necessary.

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

For each flow pattern – all round, 4-way, 3-way, 2-way, branch duct connection – the compatibility of each independently installed option (shown in the column on the left) to accessory options (listed across the top of each table) is shown in the cells where the relevant row and column intersect. A circle (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		Panel spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter ²	Ultra-long-life filter ²
Panel/grille related	Panel spacer ¹		O	O	O	X	O	O
Operation control related	Wireless remote controller	O		O	O	O	O	O
Auxiliary function related	Fresh air intake kit (Chamber type) ^{1,2}	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 ²	O	O	O	O	X		X
	Ultra-long-life filter ²	O	O	O	O	X	X	

3-way flow 2-way flow

Optionally installable optional parts		Panel spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter ²	Ultra-long-life filter ²
Panel/grille related	Panel spacer ¹		O ³	O ³	O ³	X	X	O ³
Operation control related	Wireless remote controller	O ³		O	O	O	X	O
Auxiliary function related	Fresh air intake kit (Chamber type) ^{1,2}	O ³	O		X	X	X	O
	Fresh air intake kit (direct mount)	O ³	O	X		O	X	O
	High-humidity operation kit	X	O	X	O		X	X
Filter related	Ultra-long-life filter ²	O ³	O	O	O	X	X	

Branch duct connection

Optionally installable optional parts		Panel spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter ²	Ultra-long-life filter ²
Branch duct ¹ (Chamber type) (Round duct type)	1-way branch / unit 3-way flow	O	O	O	O ⁴	X	X	O
	2-way branch / unit 2-way flow	X	O	O	O ⁴	X	X	O
	1-way branch / unit 2-way flow	X	O	O	O ⁴	X	X	O

¹In some cases, depending on how the unit is embedded in the ceiling, use of branch ducts and fresh air intake kits may not be possible. Before starting installation work make sure to check whether or not joint installation is possible. In particular, ensure that the lower fixing position caused by the addition of panel spacers is acceptable.

²Use a chamber connection kit if two different types of optional chamber are used together. In this case, the fresh air intake kit must be installed in the upper position.

³It is not possible to use panel spacers in a 2-way flow installation.

⁴It is not possible to install a branch duct on the same side to which a fresh air intake kit (direct mount) is installed.

Indoor unit

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

Name of option	Remark	Kit name			
		FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
Decoration panel		BYFQ60B8W1			
Remote controller	Wireless type Cooling only	BRC7E531W			
Wired LCD remote controller with weekly schedule timer		BRC1D61			
Navigation Remote Controller	Wired type ¹	BRC1E61			
Adaptor for wiring ²		KRP1BA57			
Wiring adaptor for electrical appendices ²		KRP4AA53			
Remote sensor (for indoor temperature)		KRCS01-1B			
Installation box for adaptor PCB		KRP1BA101			
Central remote controller ³		DCS302CA61			
Unified ON/OFF controller ³		DCS301BA61			
Schedule timer ³		DST301BA61			
Intelligent Touch Controller ³		DCS601C51			
Interface adaptor for SkyAir series		DTA112BA51			
Replacement long-life filter		KAFQ441B60			
Fresh air intake kit	Direct installation type	KDDQ44X60			
Sealing member for air discharge outlet		KDBHQ44B60			
Panel spacer		KDBQ44B60			

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

CEILING SUSPENDED TYPE

Name of option	Remark	Kit name					
		FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B
Replacement long-life filter	Resin net	KAF501DA56		KAF501DA80		KAF501DA112	KAF501DA160
Drain-up kit		KDU50N60VE				KDU50N125VE	
L-type piping kit (for upward direction)		KHFP5MA35	KHFP5MA63		KHFP5MA160		
Remote controller	Wireless type	BRC7EA66					
Wired LCD remote controller with weekly schedule timer		BRC1D61					
Navigation Remote Controller	Wired type ¹	BRC1E61					
Central remote controller ²		DCS302CA61					
Unified ON/OFF controller ²		DCS301BA61					
Schedule timer ²		DST301BA61					
Intelligent Touch Controller ²		DCS601C51					
Adaptor for wiring		KRP1BA54					
Wiring adaptor for electrical appendices ³		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: ¹Wiring for wired remote controller to be procured locally.
²This optional accessory requires DTA112BA51.
³Installation box for adaptor PCB (KRP1CA93) is necessary.

CEILING MOUNTED BUILT-IN TYPE

Name of option	Remark	Kit name		
		FBQ50BV1A	FBQ60BV1A	FBQ71BV1A
Service access panel		KTBJ25K56W	KTBJ25K80W	
Air discharge adaptor		KDAJ25K56A	KDAJ25K71A	
Remote controller	Wireless type	BRC4C62		
Wired LCD remote controller with weekly schedule timer		BRC1D61		
Navigation Remote Controller	Wired type ¹	BRC1E61		
Adaptor for wiring (interlock for fresh air intake fan)		KRP1BA54		
Group control adaptor		KRP4AA51		
Interface adaptor for SkyAir series		DTA112BA51		
Central remote controller ²		DCS302CA61		
Unified ON/OFF controller ²		DCS301BA61		
Schedule timer ²		DST301BA61		
Intelligent Touch Controller ²		DCS601C51		

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

Indoor unit

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

Name of option	Remark	Kit name			
		FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1
Service access panel		KTBJ25K80W		KTBJ25K160W	
		KTBJ25K80F		KTBJ25K160F	
		KTBJ25K80T		KTBJ25K160T	
Air discharge adaptor		KDAJ25K71A		KDAJ25K140A	
High-efficiency filter ¹	(Colorimetric method 65%)	KAF372AA80		KAF372AA160	
	(Colorimetric method 90%)	KAF373AA80		KAF373AA160	
Filter chamber		KDDF37AA80		KDDF37AA160	
Long life replacement filter		KAF371AA80		KAF371AA160	
Long life replacement filter chamber kit		KAF375AA80		KAF375AA160	
Remote controller	Wireless type			BRC4C62	
Wired LCD remote controller with weekly schedule timer				BRC1D61	
Navigation Remote Controller	Wired type ³			BRC1E61	
Adaptor for wiring (interlock for fresh air intake fan)				KRP1C64 *	
Central remote controller ³				DCS302CA61	
Interface adaptor for SkyAir series				DTA112BA51	
Central remote controller ³				DCS302CA61	
Unified ON/OFF controller ³				DCS301BA61	
Schedule timer ³				DST301BA61	
Mounting plate for adaptor PCB. ⁴				KRP4A96 ^{5,6}	
Remote sensor				KRCS01-4B	
Wiring adaptor for electrical appendices(2)				KRP4AA51 *	

Note: ¹If installing a high efficiency filter on the unit, an assembly chamber for either bottom or rear suction is required.

²Wiring for wired remote controller to be procured locally.

³This optional accessory requires DTA112BA51.

⁴Mounting plate for adaptor PCB is necessary for each adaptor marked ★.

⁵Up to 2 adaptors can be fixed for each mounting plate.

⁶Only one mounting plate can be installed for each indoor unit.

Outdoor unit

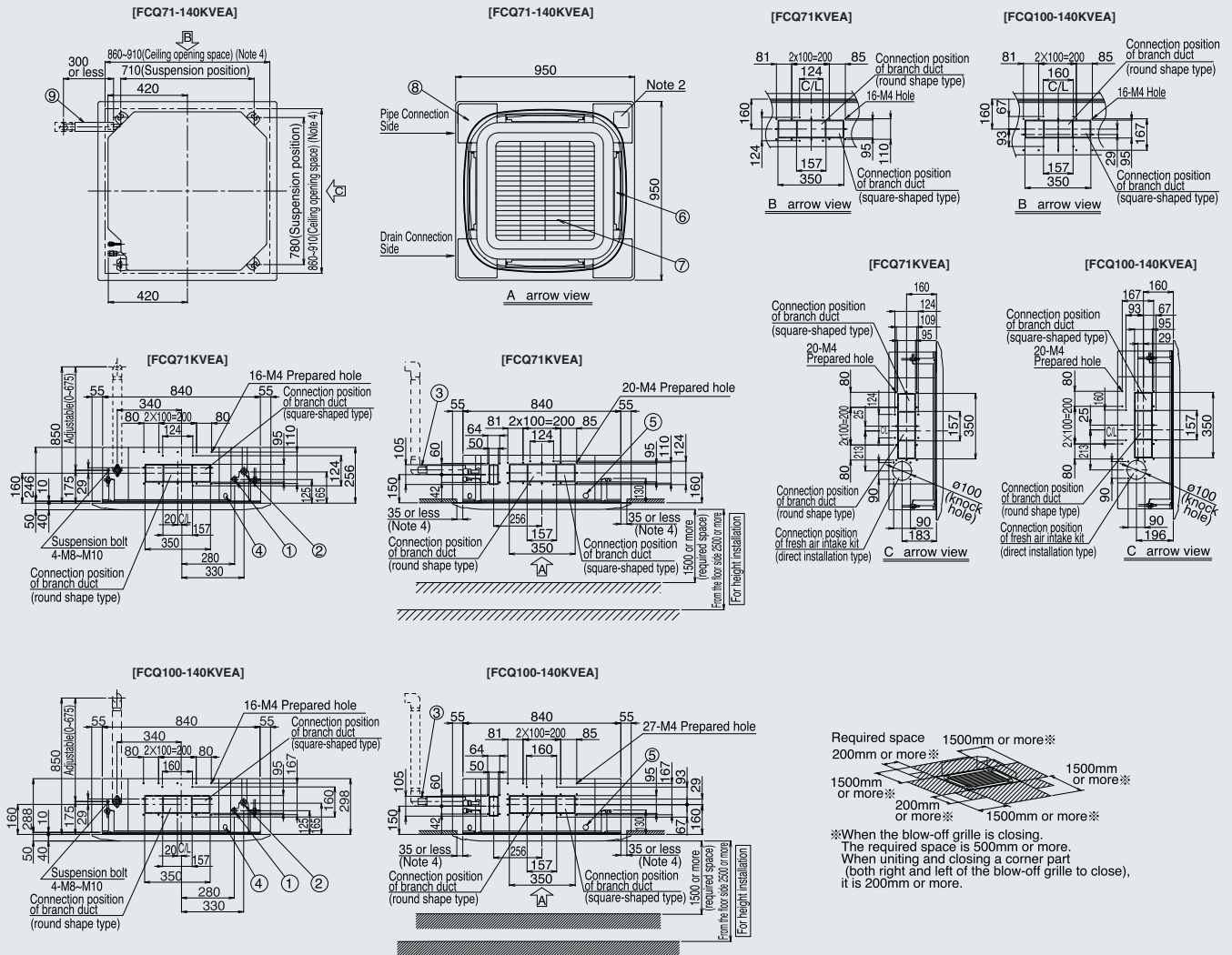
Name of option	Kit name						
	RZR71KUV1	RZR100KUV1	RZR125KUV1	RZR140KUV1	RZR100HUY1	RZR125HUY1	RZR140HUY1
Central drain plug							
Wire fixture for preventing overturning							
Fixture for preventing overturning							
Demand adaptor							

Name of option	Remark	Kit name			
		RKS25AVMG	RKS35AVMG	RKS50AVMG	RKS60AVMG
Air direction adjustment grille		KPW937A4		KPW945A4	
Drain plug	One set includes 5 pieces for 5 units	KKP937A4			

Name of option	Remark	Kit name		
		RXS50FVMA	RXS60FVMA	RXS71FVMA
Air direction adjustment grille		KPW945A4		
Drain plug	One set includes 5 pieces for 5 units	KKP937A4		KKP945A4

DIMENSIONS (Unit: mm)

CEILING MOUNTED CASSETTE TYPE

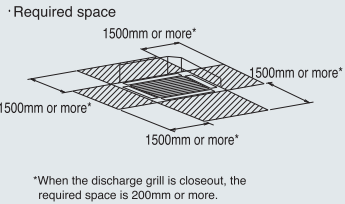
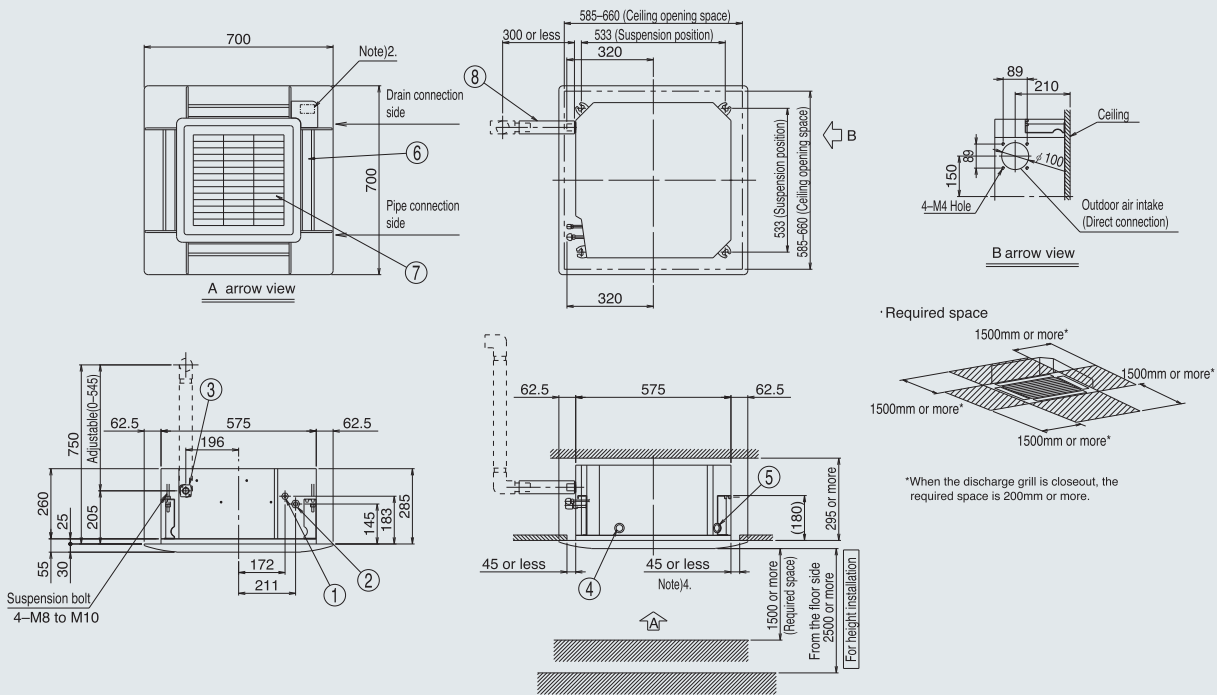


- Notes:
- ¹ Sticking location for manufacturer's label
manufacturer's label for indoor unit:
Suction grille inner side's electric components box's lid surface
manufacturer's label for decoration panel :
Decoration panel's corner decoration cover inner surface
 - ² In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
 - ³ 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.
 - ⁴ 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.
 - ⁵ 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



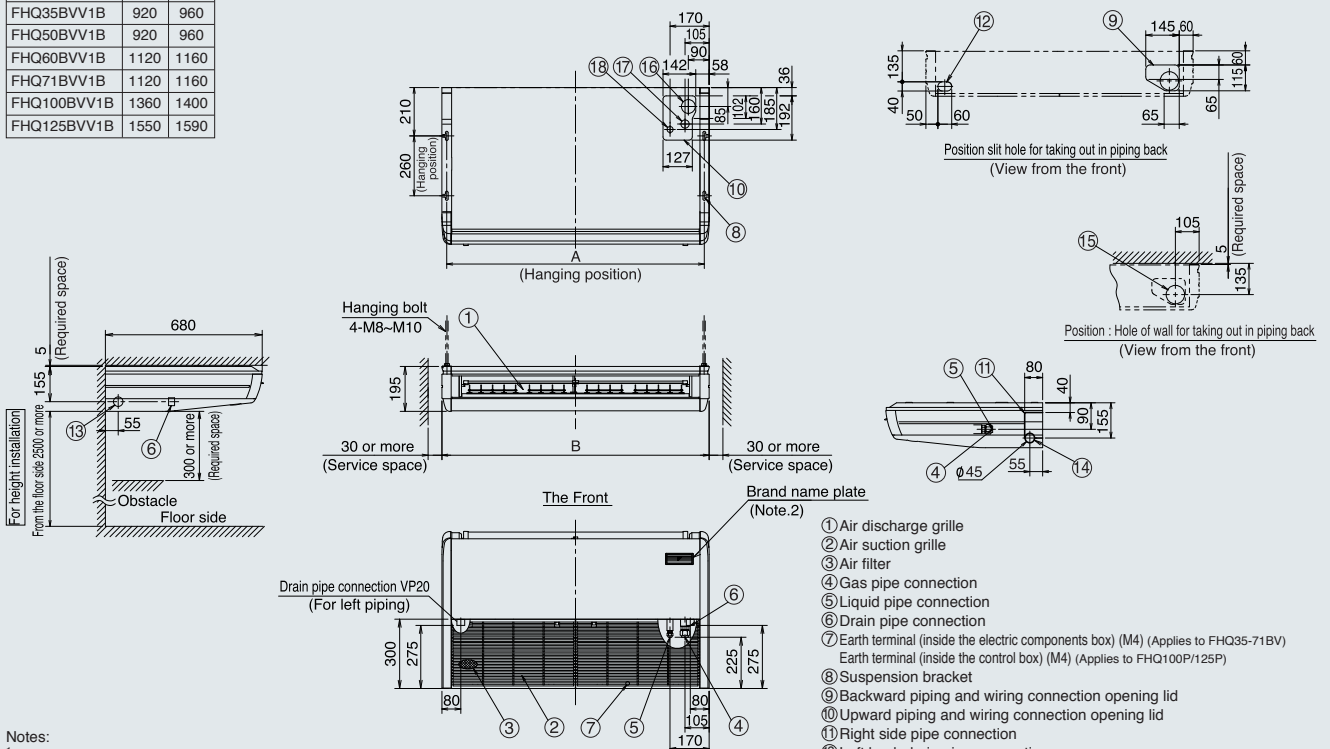
Notes:

- ¹ Sticking location for manufacture's label
 manufacture's label for indoor unit : on the bell mouth inside suction grille
 manufacture's label for decoration panel : on the inner frame inside suction grille
- ² In case of using wireless remote controller, this position will be a signal receiver.
 refer to the drawing of wireless remote controller in detail.
- ³ 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.
- ⁴ Though the installation is acceptable up to maximum of 660mm square ceiling opening, keep the clearance of 45mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

- ① Liquid pipe connection
- ② Gas pipe connection
- ③ Drain pipe connection
- ④ Power supply connection
- ⑤ Remote control code and control wiring connection
- ⑥ Air discharge grille
- ⑦ Suction grille
- ⑧ Drain hose

CEILING SUSPENDED TYPE

	A	B
FHQ35BVV1B	920	960
FHQ50BVV1B	920	960
FHQ60BVV1B	1120	1160
FHQ71BVV1B	1120	1160
FHQ100BVV1B	1360	1400
FHQ125BVV1B	1550	1590



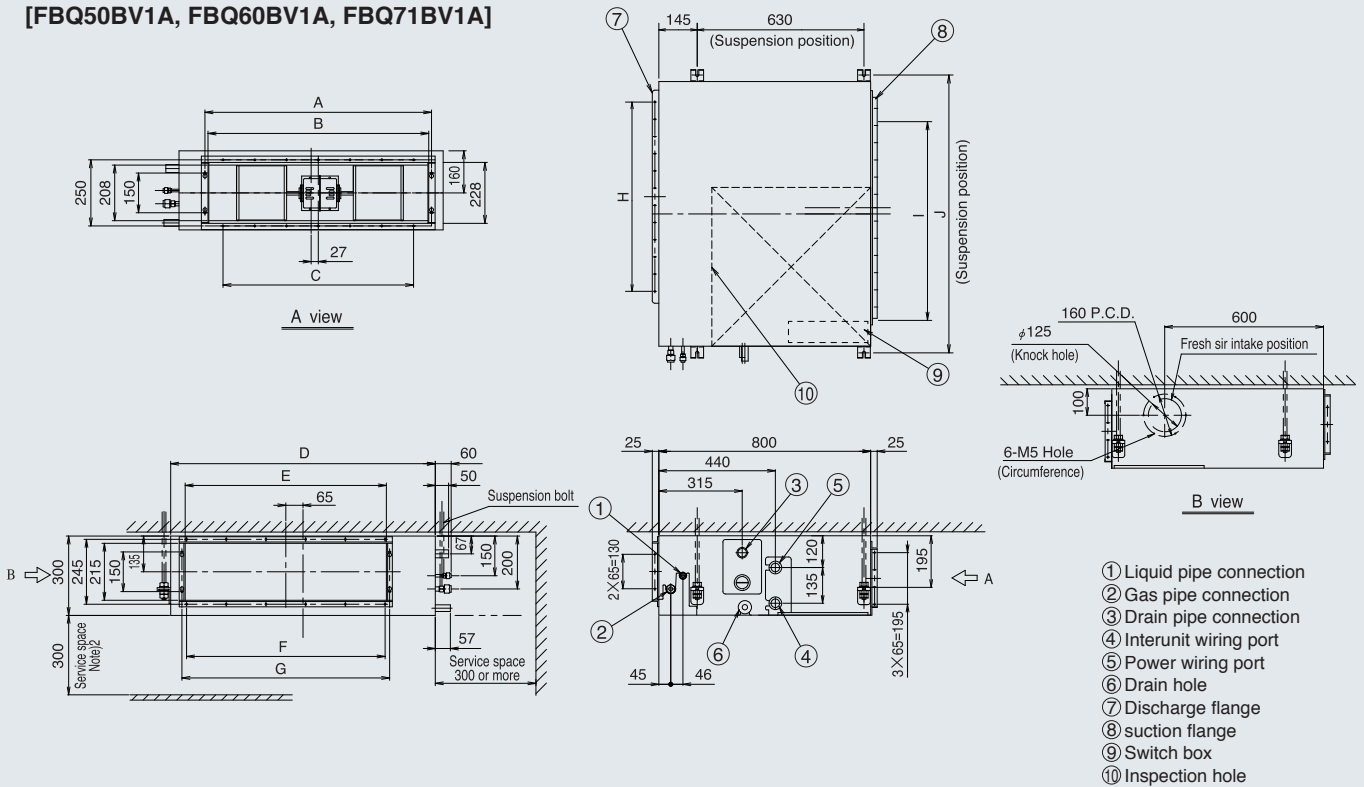
Notes:

- ¹ Location of unit's Name Plate: Bottom of fan housing inside the suction grille.
- ² In case of using wireless remote controller, this position will be a signal receiver.
 Refer to the drawing of wireless remote controller in detail.
- ³ (Applies to FHQ35-71BV only)
 The remote control code is the standard <about 3 m outside the machine> attached.
 (0.5 mm² × 2 wicks × O.D. φ 5.4)
 (It is not attached to VRV.)

- ① Air discharge grille
- ② Air suction grille
- ③ Air filter
- ④ Gas pipe connection
- ⑤ Liquid pipe connection
- ⑥ Drain pipe connection
- ⑦ Earth terminal (inside the electric components box) (M4) (Applies to FHQ35-71BV)
- ⑧ Earth terminal (inside the control box) (M4) (Applies to FHQ100P/125P)
- ⑧ Suspension bracket
- ⑨ Backward piping and wiring connection opening lid
- ⑩ Upward piping and wiring connection opening lid
- ⑪ Right side pipe connection
- ⑫ Left back drain pipe connection
- ⑬ Left side drain pipe connection
- ⑭ Right side drain pipe connection
- ⑮ Hole of wall for taking out in piping back
- ⑯ Upward drain pipe connection
- ⑰ Upward gas pipe connection
- ⑱ Upward liquid pipe connection

CEILING MOUNTED BUILT-IN TYPE

[FBQ50BV1A, FBQ60BV1A, FBQ71BV1A]

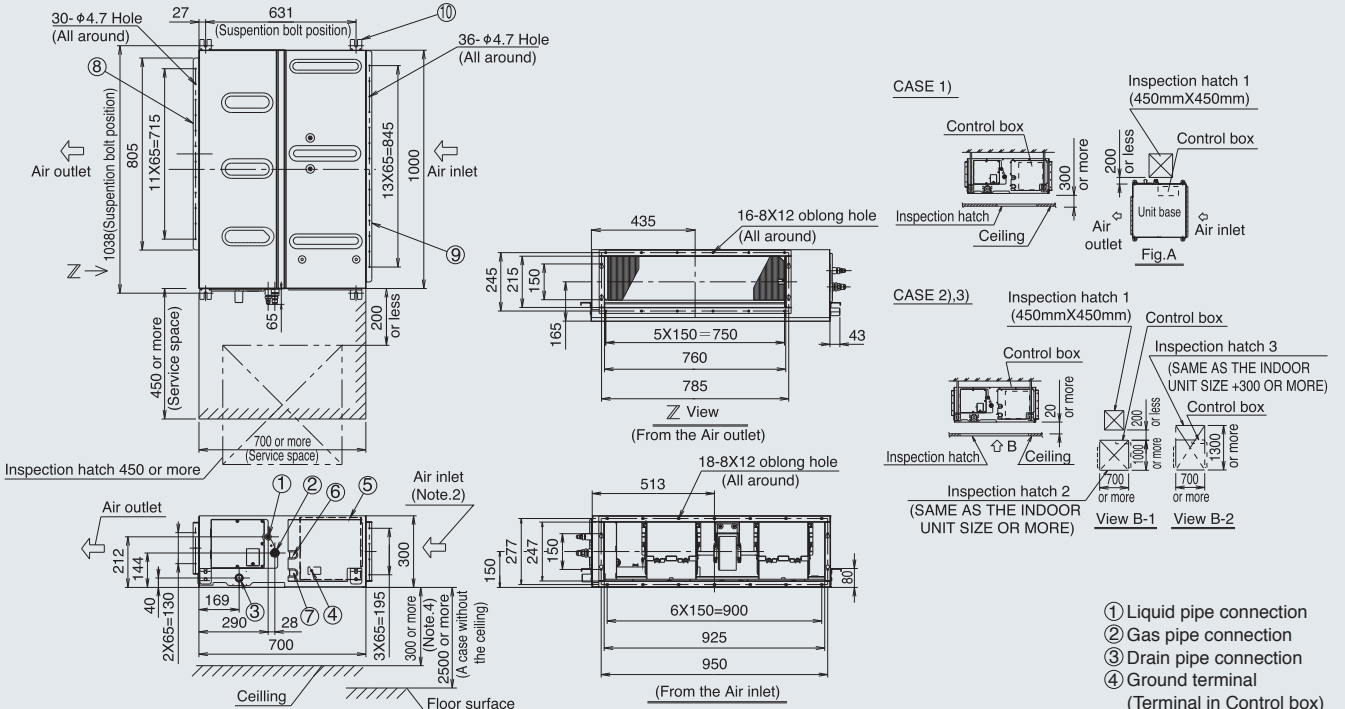


Notes:
 1 Location of unit's Name Plate: Fan housing surface.
 2 If the ceiling is not removable, a 300 mm service space must be kept between the unit and the ceiling.
 3 Mount the air filter at the suction side.
 4 Space for Service Works (Select its colorimethod (Gravity method) 50 % or more)

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

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ71DV1]



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

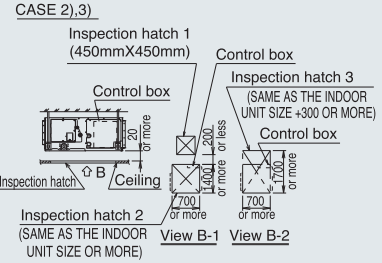
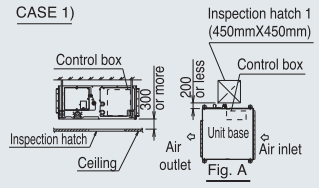
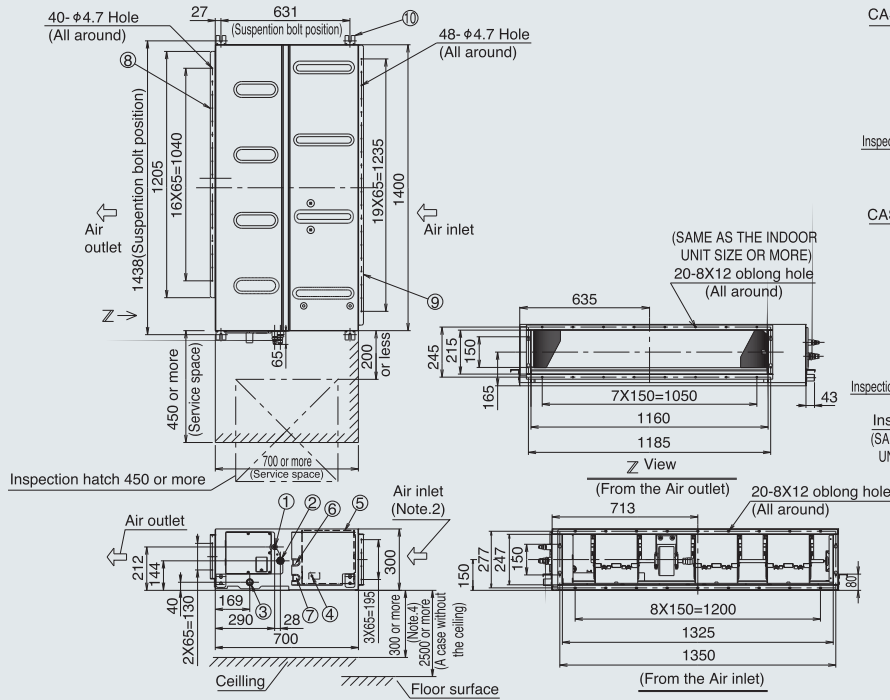
According to any one of below 1)~3), secure a space for service works, such as, checking and maintenance of control box, etc.

- 1) One inspection hatch (450X450) on the control box side and a space of 300mm or more under the unit. (Fig.A)
- 2) One inspection hatch (450X450) on the control box side and 2 (two) inspection hatches under the unit. (Arrow View B-1)
- 3) 3 (three) inspection hatches under the unit and the control box. (Arrow View B-2)

DIMENSIONS (Unit: mm)

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ100DV1, 125DV1, 140DV1]



- 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

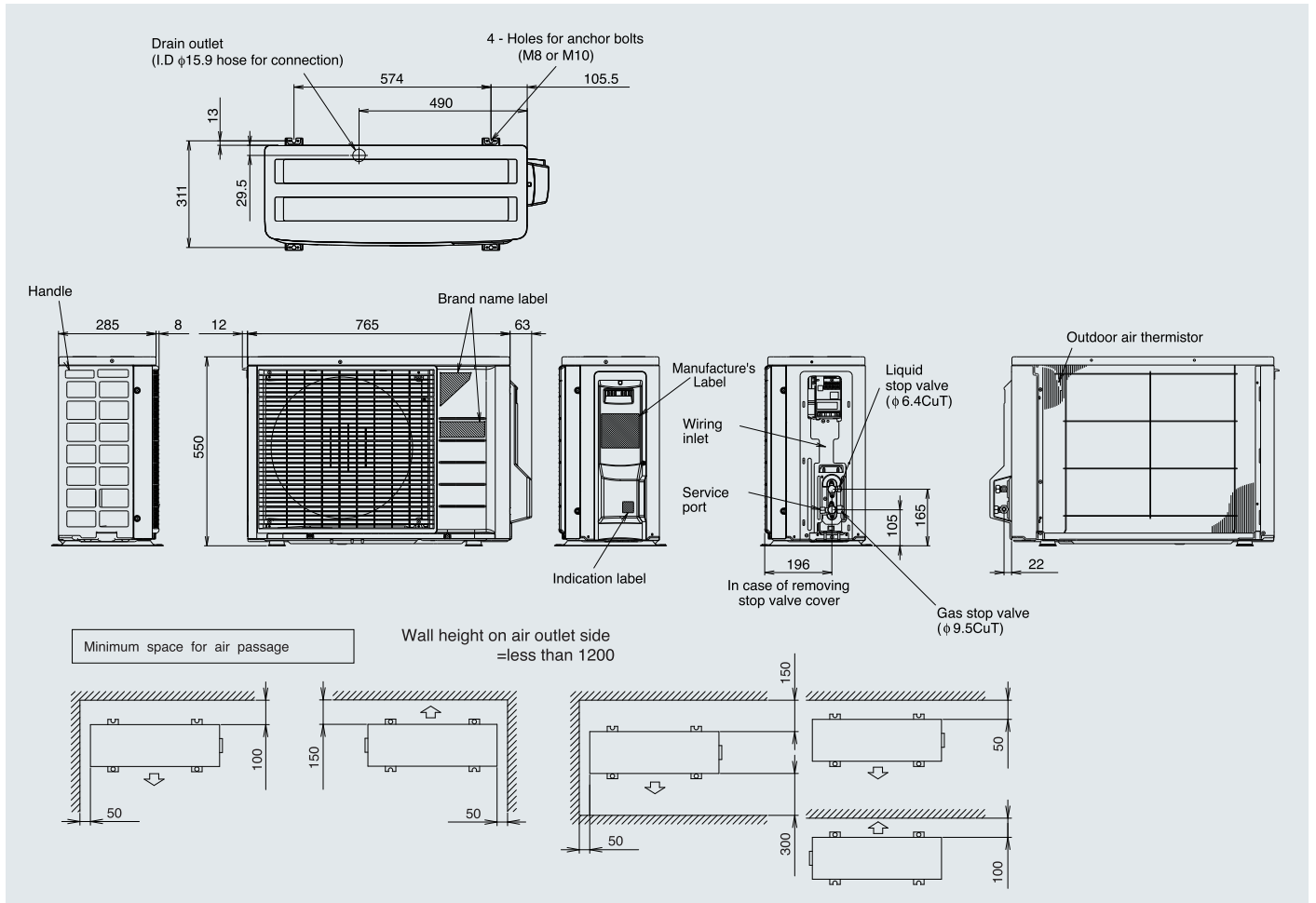
Notes:

- ¹Location of MANUFACTURE'S LABEL: Control box surface
- ²Mount the air filter at the suction side.(Select its colorimethod (gravity method) 50% or more.
- ³Do 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.
- ⁴Space for Service Works

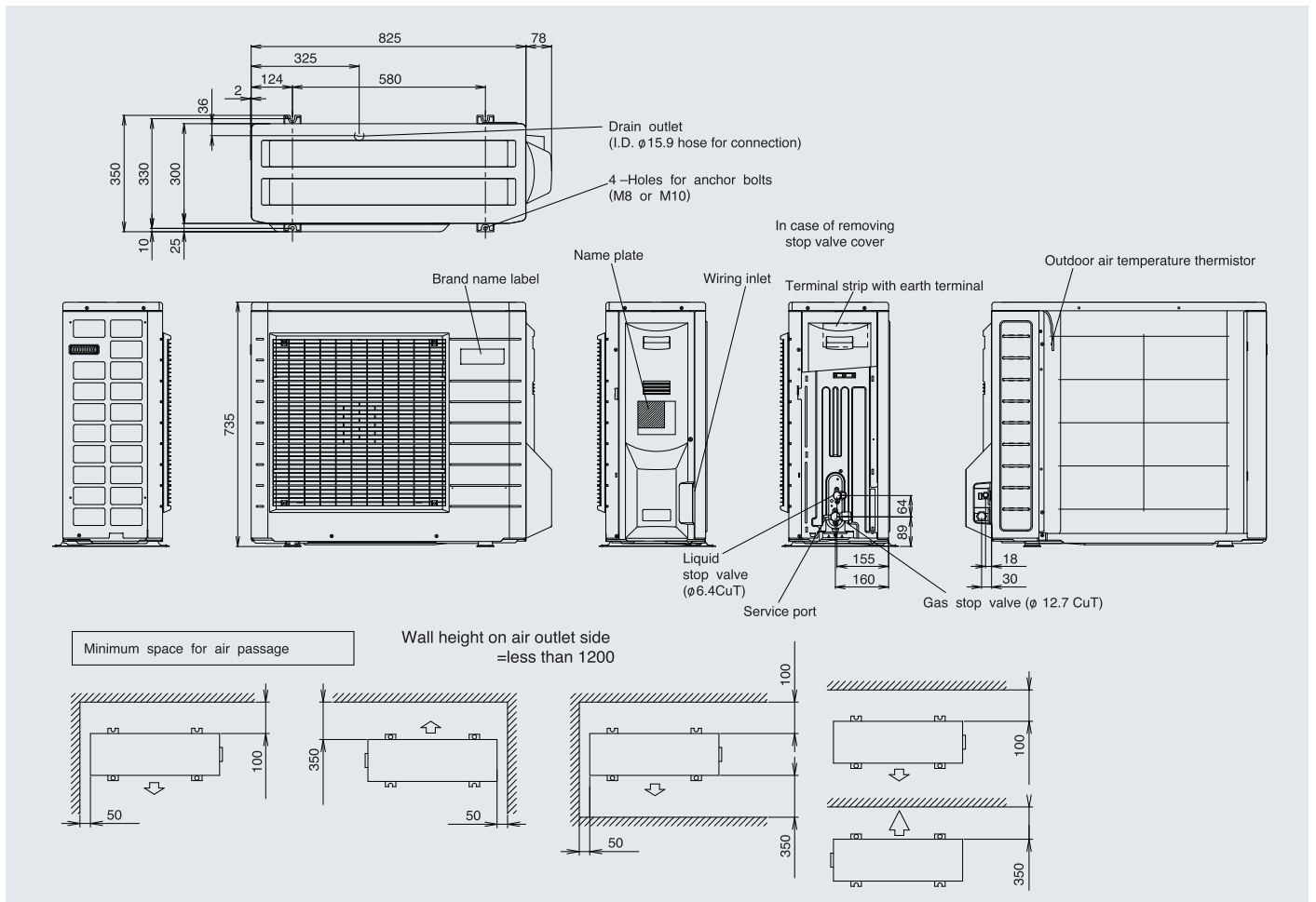
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- 1)One inspection hatch (450X450) on the control box side and a space of 300mm or more under the unit.(Fig.A)
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- 3)3 (three) inspection hatches under the unit and the control box.(Arrow View B-2)

OUTDOOR UNIT // RKS25AVMG, RKS35AVMG

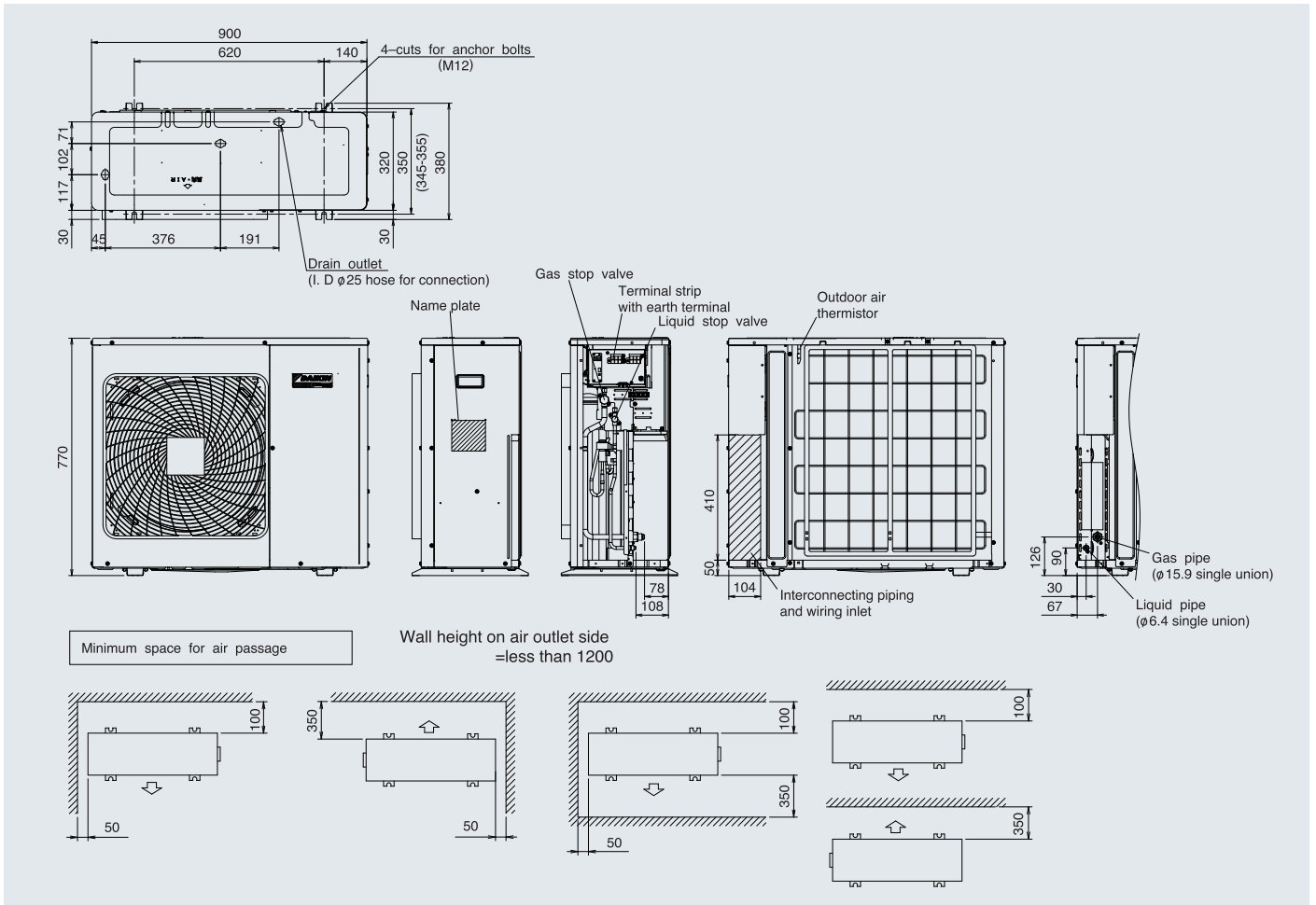


OUTDOOR UNIT // RKS50AVMG, RKS60AVMG, RXS50FAVMA, RXS60FVMA

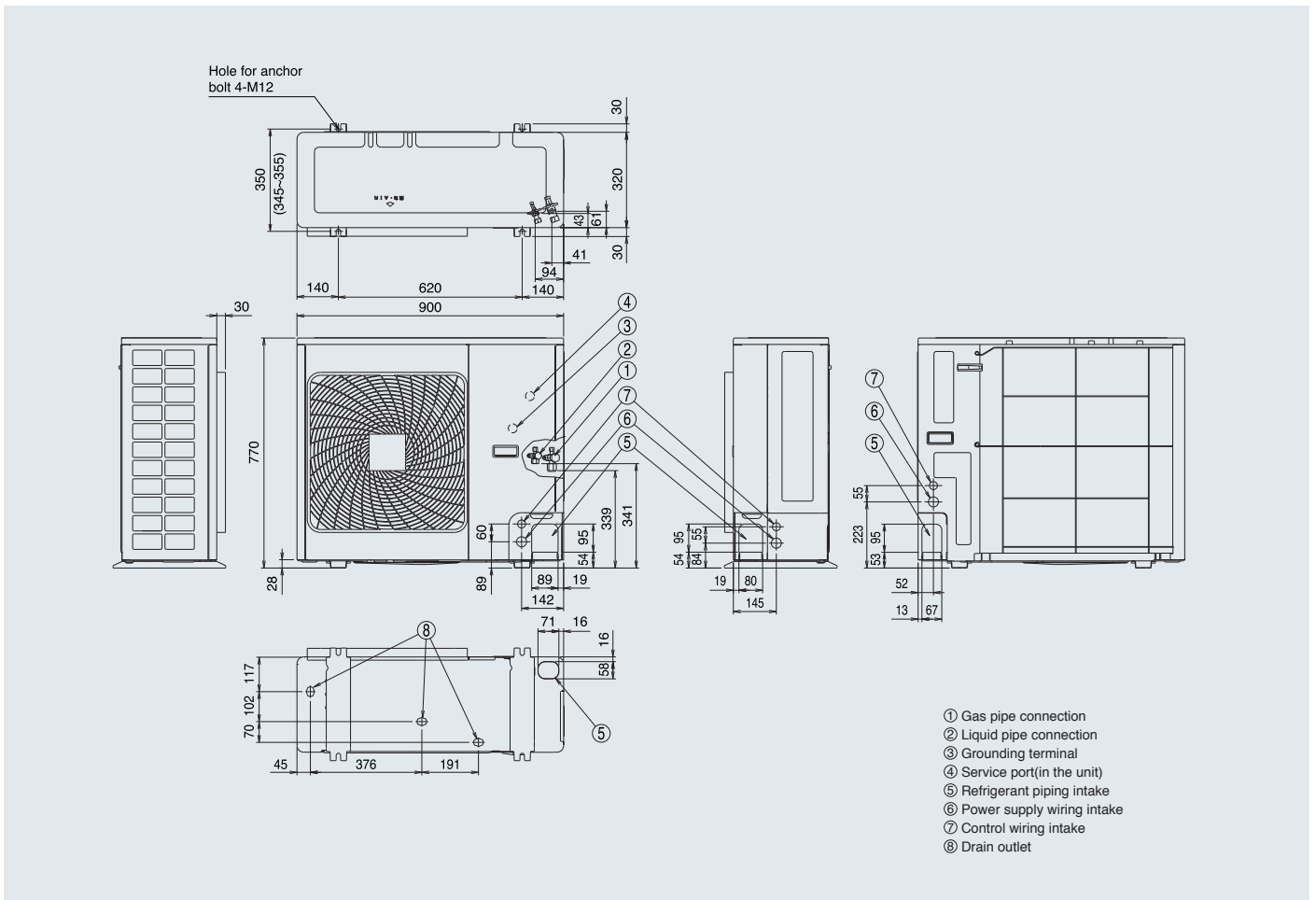


DIMENSIONS (Unit: mm)

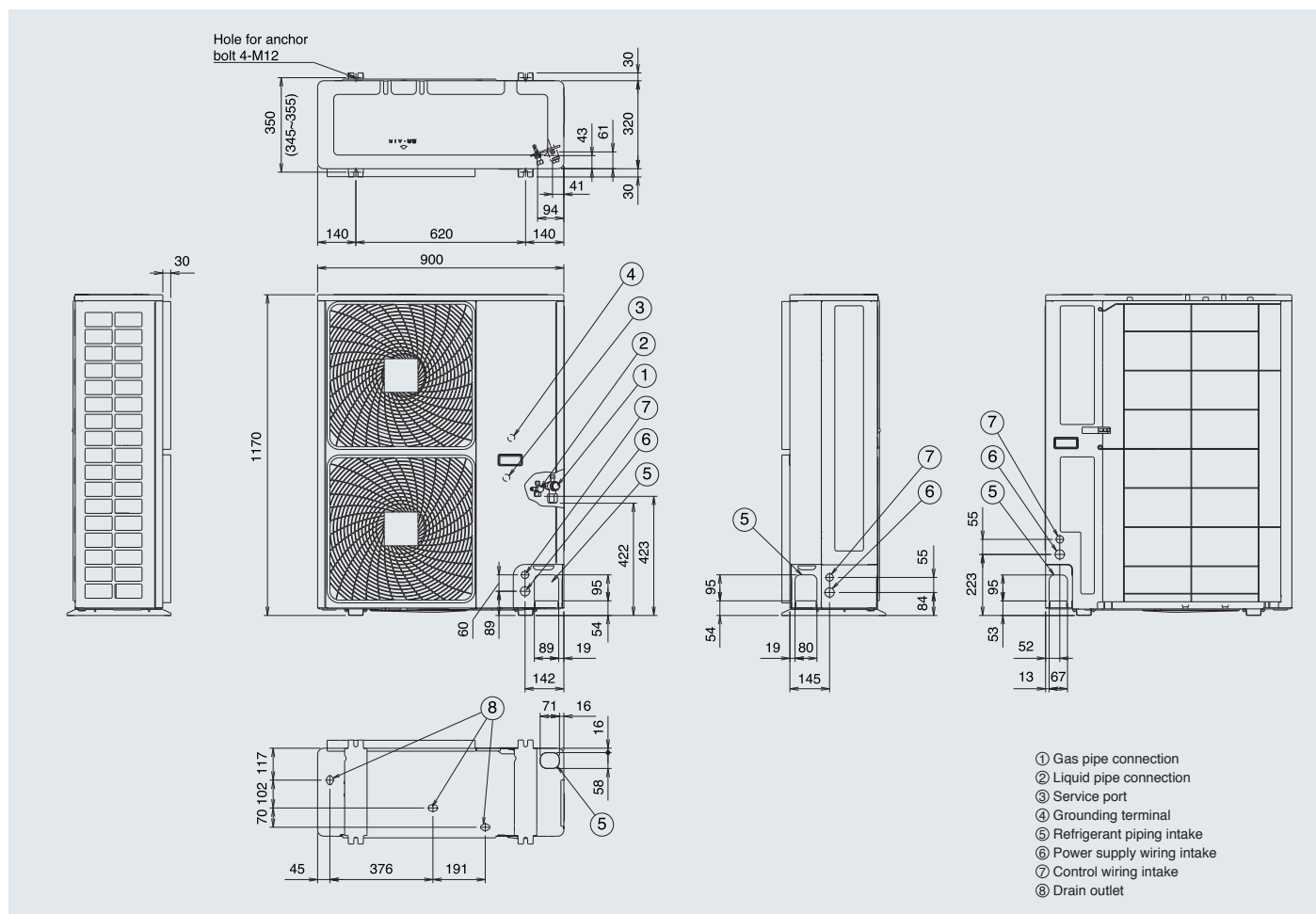
OUTDOOR UNIT // RXS71FVMA



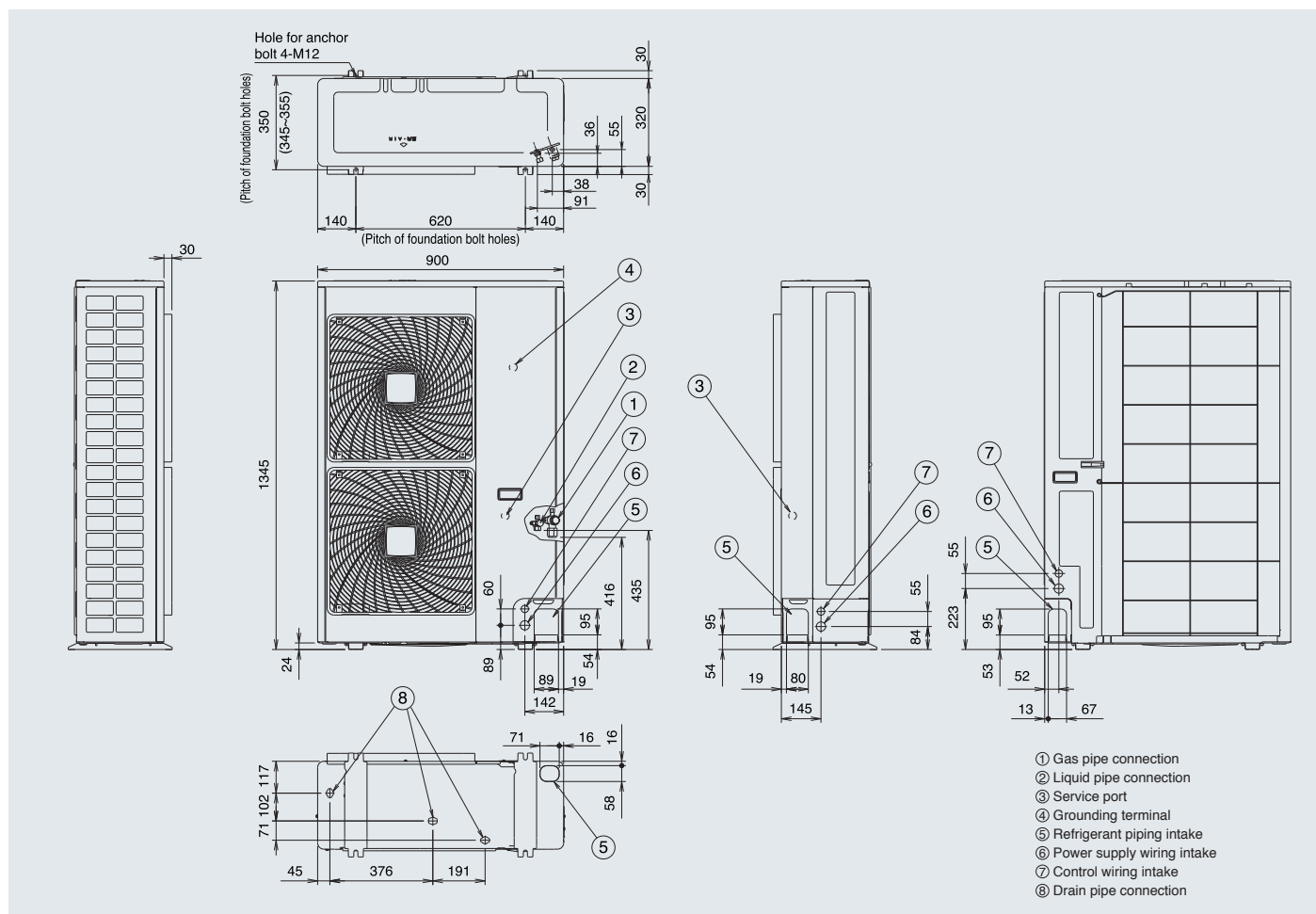
OUTDOOR UNIT // RZR71KUV1



OUTDOOR UNIT // RZR100KUV1, 125KUV1, 140KUV1



OUTDOOR UNIT // RZR100HUY1, 125HUY1, 140HUY1

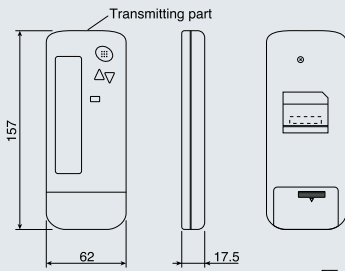


DIMENSIONS (Unit: mm)

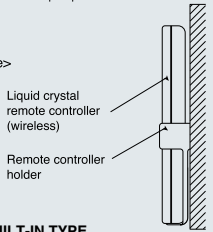
REMOTE CONTROLLER

《Wireless type》

Remote controller dimensions



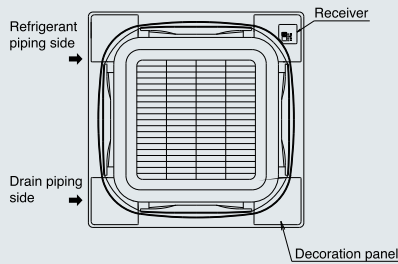
Remote controller holder installation procedure <installation to wall surface>



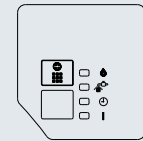
Liquid crystal remote controller (wireless)
Remote controller holder

CEILING MOUNTED CASSETTE TYPE <Round Flow>

Receiver installation procedure

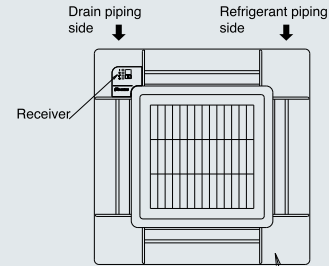


Receiver detail



COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

Receiver installation procedure



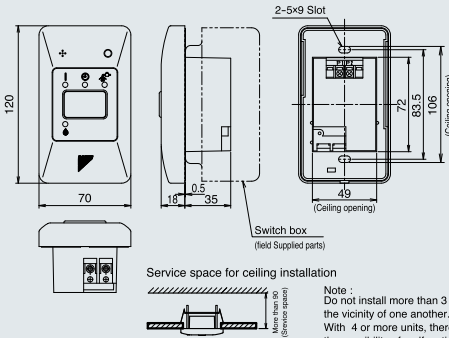
Receiver detail



Decoration panel
(BYFC608W1)
(BYFC607W1)
(BYFC608W1)

CEILING MOUNTED BUILT-IN TYPE

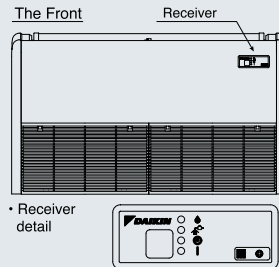
Receiver detail



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.

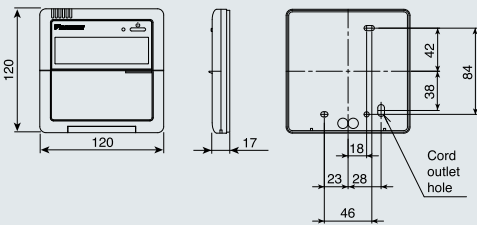
CEILING SUSPENDED TYPE

Receiver installation procedure

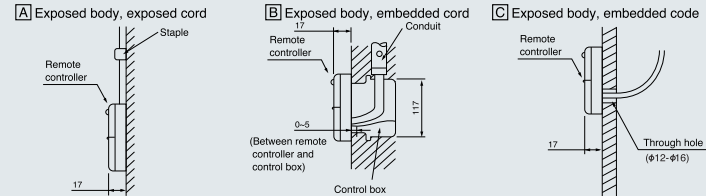


《Wired type》 Remote controller dimensions

BRC1D61 / BRC1C61



Installation method



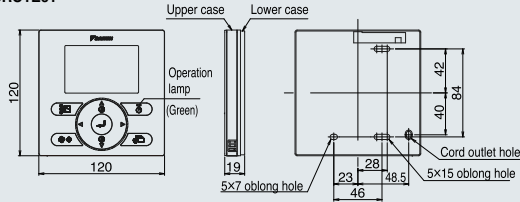
Specifications of cord

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

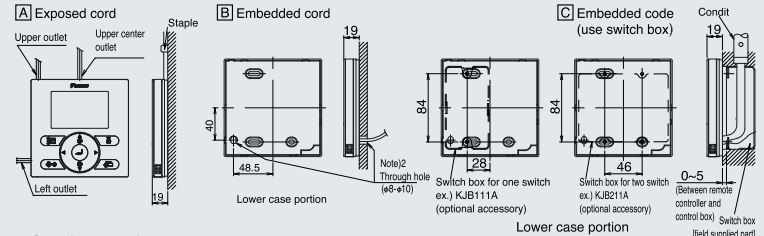
Note)

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

BRC1E61



Installation method



Specifications of cord

Type *	Vinyl cord with sheath or cable (insulated thickness: 1mm or more)
Size	0.75~1.25 mm ²
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 RZR71-140KUV1, RZR100-140HUY1

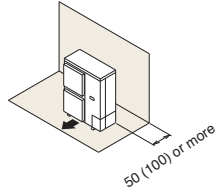
(The unit values is mm.)

The values represent the case for the RZR71-140KUV1 type. The values in () are for RZR100 - RZR140HUY1 type.

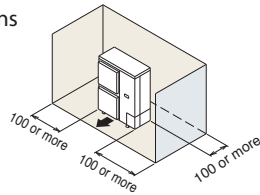
When there is an obstruction on the inlet side When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

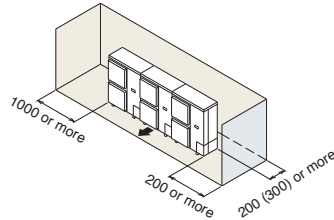


When there are obstructions on both sides



2. For series installation (more than two units)

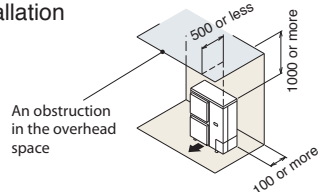
When there are obstructions on both sides



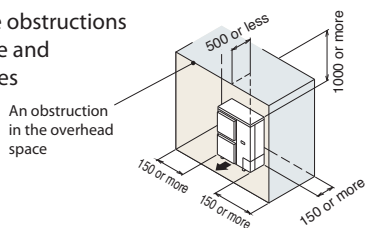
When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

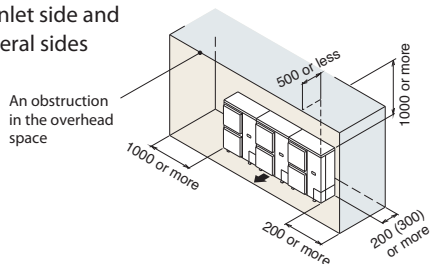


When there are obstructions on the inlet side and both lateral sides



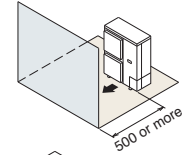
2. For series installation (more than two units)

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

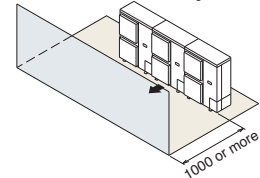


When there is an obstruction on the outlet side When the overhead space is open

1. For single unit installation



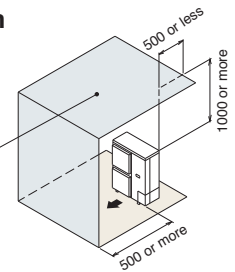
2. For series installation (more than two units)



When there is an obstruction in the overhead space

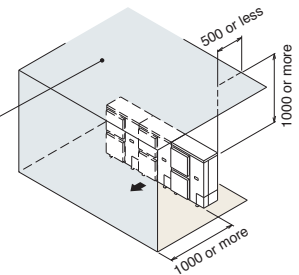
1. For single unit installation

An obstruction in the overhead space



2. For series installation (more than two units)

An obstruction in the overhead space



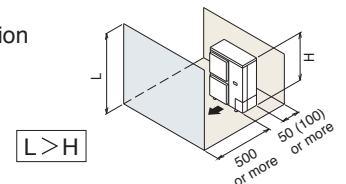
When there are obstructions on both the inlet and outlet sides

Pattern 1

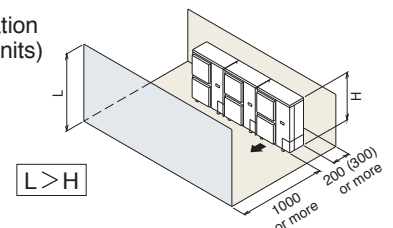
When the obstruction on the outlet side is higher than the unit itself (There is no limit to the height of the obstruction on the outlet side.)

When the overhead space is open

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 products 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, COMMERCIAL HEATING
EQUIPMENT, RESIDENTIAL AIR CONDITIONING
EQUIPMENT, HEAT RECLAIM VENTILATION, AIR
CLEANING EQUIPMENT, MARINE TYPE CONTAINER
REFRIGERATION UNITS, 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

DAIKIN INDUSTRIES, LTD.

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