

**DAIKIN**

PCSAU1439A



# SkyAir

Air Conditioning System

HEAT PUMP [50Hz]

**Super Inverter**

Inverter series

**R-410A**

# PRODUCT RANGE



**Super Inverter**

Series	50	60	71		100	125	140			
<b>CEILING MOUNTED CASSETTE TYPE</b> <Round Flow> 										
	Indoor unit FCQ50KAVEA	Indoor unit FCQ60KAVEA	Indoor unit FCQ71KAVEA		Indoor unit FCQ100KAVEA	Indoor unit FCQ125KAVEA	Indoor unit FCQ140KAVEA			
	Outdoor unit RZQS50AV1	Outdoor unit RZQS60AV1	Outdoor unit RZQS71AV1		Outdoor unit RZQS100AV1	Outdoor unit RZQS100AY1	Outdoor unit RZQS125AV1	Outdoor unit RZQS125AY1	Outdoor unit RZQS140AV1	Outdoor unit RZQS140AY1
<b>CEILING SUSPENDED TYPE</b>	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 		<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 			
	Indoor unit FHQ50DAVMA	Indoor unit FHQ60DAVMA	Indoor unit FHQ71DAVMA		Indoor unit FHQ100DAVMA	Indoor unit FHQ125DAVMA	Indoor unit FHQ140DAVMA			
	Outdoor unit RZQS50AV1	Outdoor unit RZQS60AV1	Outdoor unit RZQS71AV1		Outdoor unit RZQS100AV1	Outdoor unit RZQS100AY1	Outdoor unit RZQS125AV1	Outdoor unit RZQS125AY1	Outdoor unit RZQS140AV1	Outdoor unit RZQS140AY1
<b>WALL MOUNTED TYPE</b>										
	Indoor unit		Indoor unit FAQ71CVEA		Indoor unit FAQ100CVEA					
	Outdoor unit		Outdoor unit RZQS71AV1		Outdoor unit RZQS100AV1	Outdoor unit RZQS100AY1				
<b>OUTDOOR UNIT</b>										
	Outdoor unit RZQS50AV1	Outdoor unit RZQS60AV1	Outdoor unit RZQS71AV1		Outdoor unit RZQS100AV1	Outdoor unit RZQS100AY1	Outdoor unit RZQS125AV1	Outdoor unit RZQS125AY1	Outdoor unit RZQS140AV1	Outdoor unit RZQS140AY1

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## Inverter series

Series	50	60	71		100	125	140
<b>CEILING MOUNTED CASSETTE TYPE</b> <Round Flow> 							
	Indoor unit		Indoor unit FCQ71KAVEA		Indoor unit FCQ100KAVEA	Indoor unit FCQ125KAVEA	Indoor unit FCQ140KAVEA
	Outdoor unit		Outdoor unit RZQ71LV1		Outdoor unit RZQ100LV1	Outdoor unit RZQ125LV1	Outdoor unit RZQ140LV1
<b>OUTDOOR UNIT</b>							
	Outdoor unit		Outdoor unit RZQ71LV1		Outdoor unit RZQ100LV1	Outdoor unit RZQ125LV1	Outdoor unit RZQ140LV1

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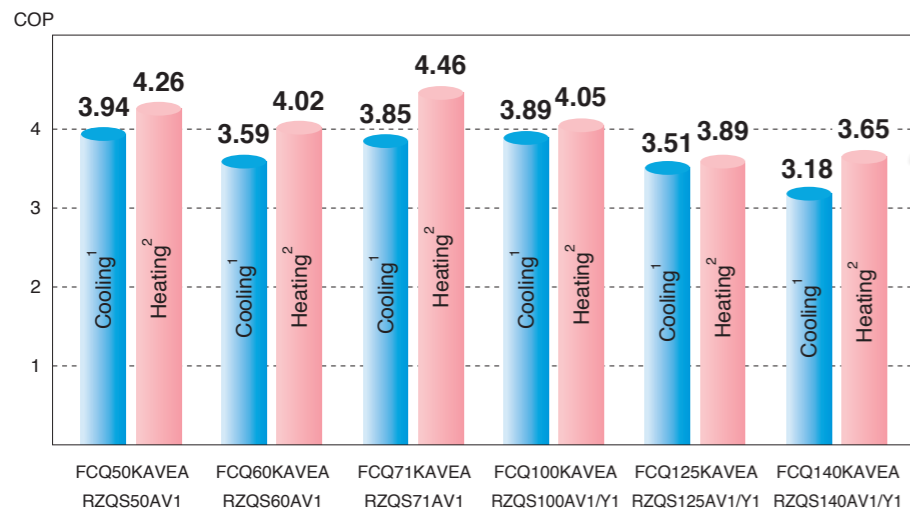


# Energy Efficient

Super Inverter

## Achieved higher COP

Complies with MEPS



CEILING MOUNTED CASSETTE TYPE  
< Round Flow >

Note:  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24.0°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

### What is COP (Coefficient of Performance)

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

## High COP models

CEILING MOUNTED CASSETTE TYPE  
< Round Flow >



	COP					
	50	60	71	100	125	140
Cooling	3.94	3.59	3.85	3.89	3.51	3.18
Heating	4.26	4.02	4.46	4.05	3.89	3.65

CEILING SUSPENDED TYPE



Cooling	3.48	3.38	3.28	3.23	3.15	3.04
Heating	3.43	3.33	3.23	3.22	3.10	3.24

WALL MOUNTED TYPE



Cooling	-	-	3.18	3.13	-	-
Heating	-	-	3.43	3.26	-	-

# Compact and lightweight

Inverter series

Reduced installation work thanks to light, compact outdoor unit.

Height 1,170 mm → **990 mm**  
Weight 98 kg → **75 kg**



RQ100LV1A



RZQ100LV1

990 mm

Reduced by **180 mm**

Reduced by **23 kg**

# "Nav Ease"

Super Inverter

Inverter series

## Wired Remote Controller

### Clear Display

- Dot matrix display
- Backlight display

### Simple operation

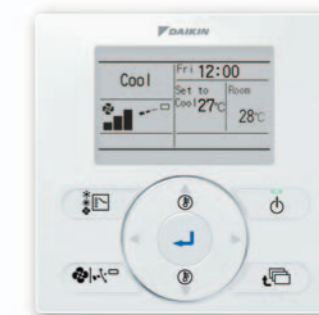
- Large buttons and arrow keys
- Guide on display

### Energy saving

- NEW** • Setpoint range set
- NEW** • Setpoint auto reset
- Off timer (programmed)

### Convenience

- Weekly schedule
- Multilingual display



Wired Remote Controller  
BRC1E62

# Comfortable

Super Inverter

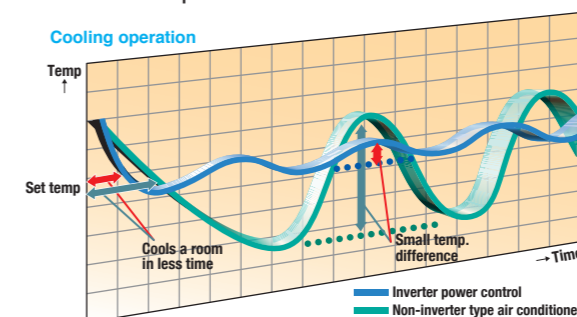
Inverter series

## Enhanced comfort with Inverter

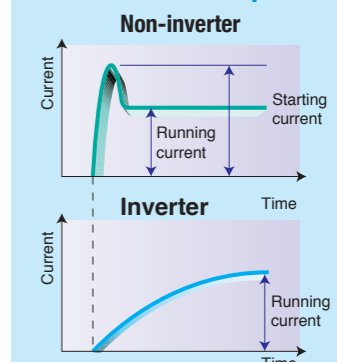
Inverter performs variable control of frequency, which determines air conditioner's power performance.

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.

# Quiet operation

Super Inverter

Inverter series

## Night quiet operation function

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

★ Reducing noise will reduce capacity slightly.

Note:  
<sup>3</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.  
<sup>4</sup>Value when cooling. Value will differ when heating.

Sound pressure level<sup>3</sup> (dB(A))

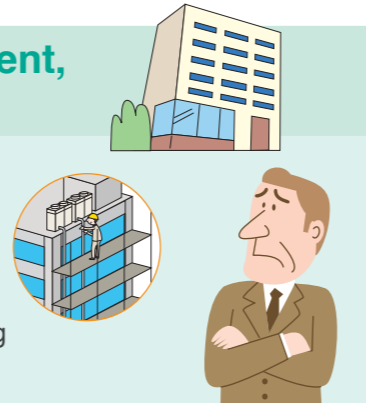
	Rated <sup>4</sup>	Night Quiet Mode
Super Inverter		
RZQS50/60AV1	48	44
RZQS71AV1	50	46
RZQS100AV1/Y1	53	49
RZQS125AV1/Y1	54	50
RZQS140AV1/Y1	54	50
Inverter series		
RZQ71LV1	49	45
RZQ100/125LV1	51	47
RZQ140LV1	54	50

# Reuse of existing piping

## Benefit 1 Reduces replacement time & cost by simplified installation

When considering air conditioner replacement, do the following things concern you?

- For how long will the business have to close down? While replacement work is going on, how will sales be affected?
- How to minimize inconvenience to tenants, who only leave the space vacant on weekends?
- Won't the costs be high and work period longer because scaffolding is necessary for pipe replacement?



These problems are solved by Daikin!

Where feasible, by reusing existing pipes\*, we cut your work cost and reduce work time.

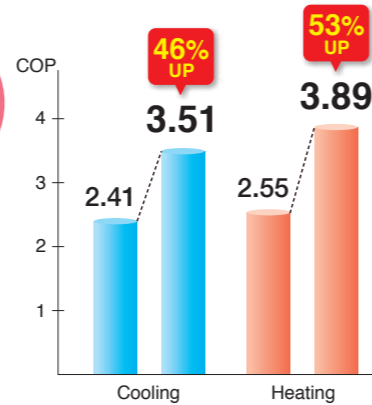
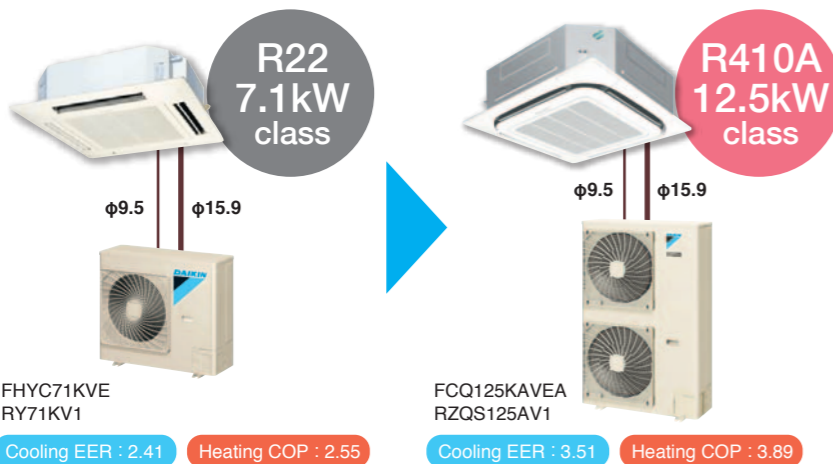
Normally, when you replace air conditioners, in addition to replacing indoor and outdoor units, replacement of piping involves high costs and lengthy work periods. And, the more installed units you have, the greater the cost for connecting them, especially if they are installed in high places or embedded. Leave it to Daikin! Since Daikin can carry out upgrades using your existing piping, you can get the work done faster than ever before.



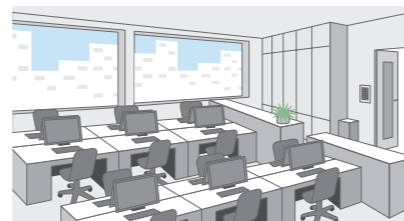
\*Strict conditions must be adhered to, please refer to the installation manual and Engineering Data Book for further details including pipe sizes (if pipes are to be re-used)

## Benefit 2 Enables Increased capacity & Higher EER/COP

Upgrade to air conditioners featuring the latest technology and enjoy greatly improved energy efficiency.

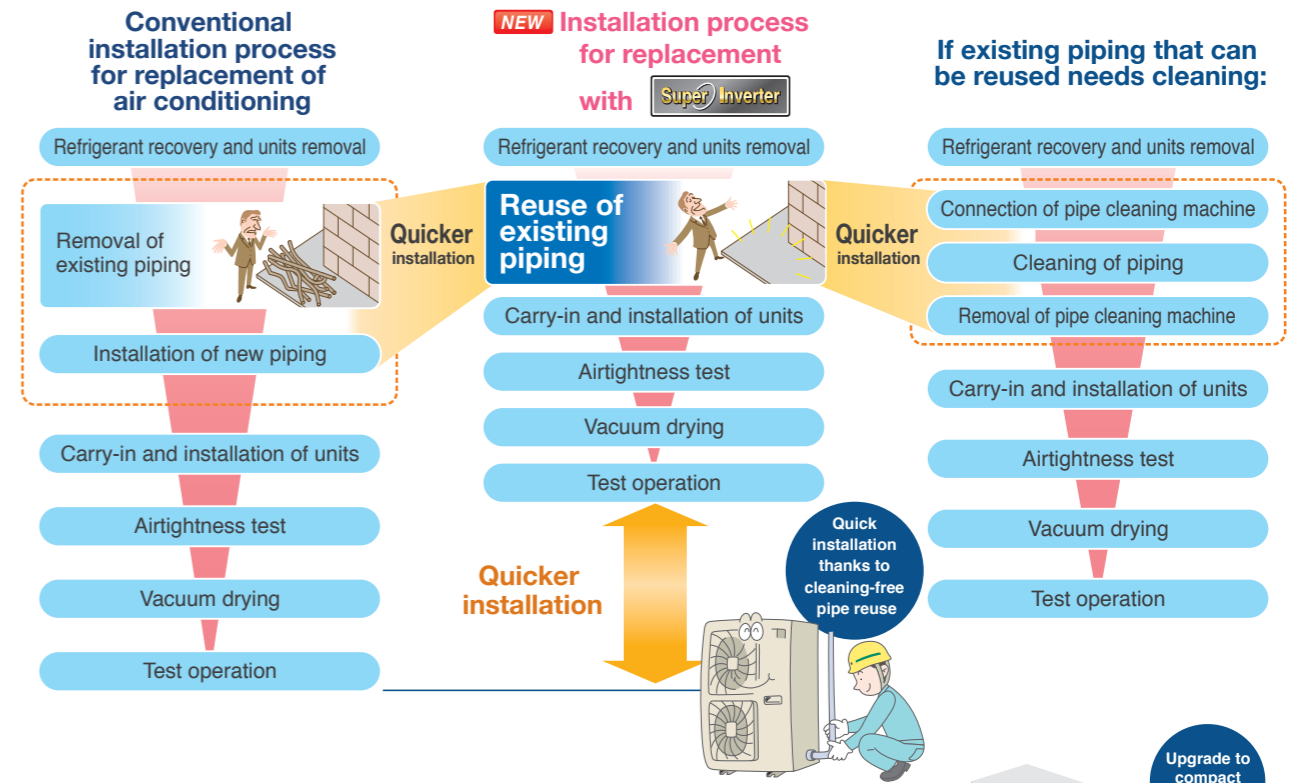


For example, compared with R22 non-inverter units of 15 years ago, in the latest R410A series some units use smaller diameter piping which means they can achieve greater cooling capacity by reusing existing piping. As a result, the greater capacity units ensure better performance to cope with the increasing amount of heat generated by office equipment.



## Simplified Installation

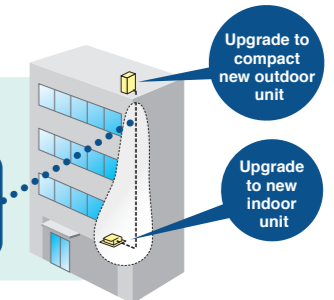
Enables simplified air conditioner replacement with minimal impact on operations.



Particularly convenient in these circumstances

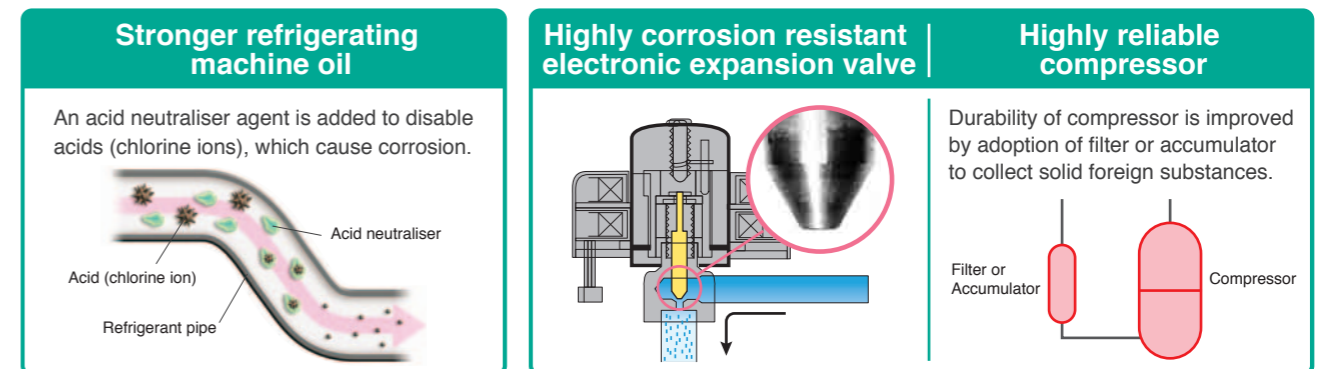
- Pipes are buried and making new pipe installations difficult.
- Outdoor unit difficult to access.
- Multiple units are being upgraded at the same time.

Piping left as is



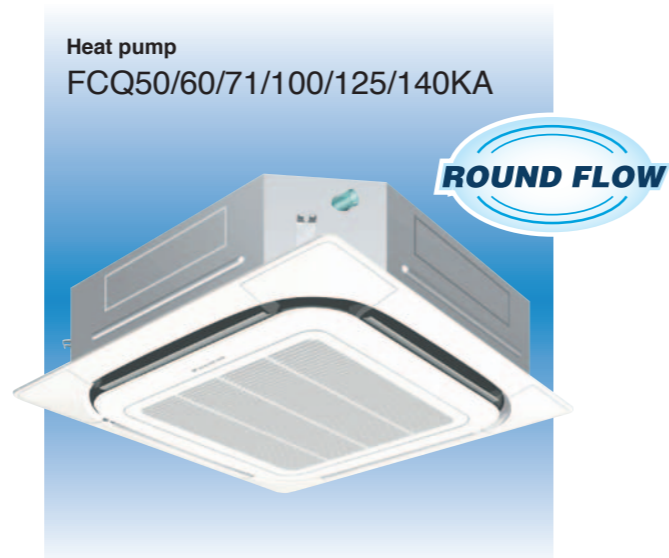
## Technology

Advanced technology including use of corrosion resistant EEV, acid neutralisers and improved compressor reliability enables the re-use of existing piping\* without the need to flush the piping for a simplified replacement process.



\*Strict conditions must be adhered to, please refer to the installation manual and Engineering Data Book for further details including pipe sizes (if pipes are to be re-used)

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



Accessory required for indoor unit

Wired LCD remote controller  
"Nav Ease"  
BRC1E62

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

Option

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

BRC7F634F

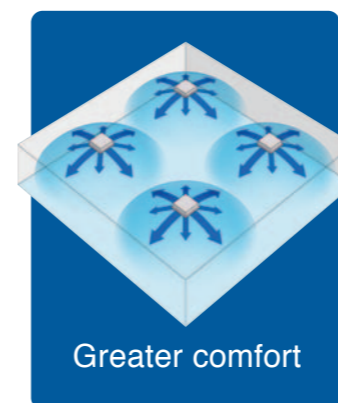
Signal receiver unit (Installed type)

Wireless remote controller is supplied in a set with a signal receiver.

Avoids uneven temperature and discomfort caused by drafts  
 ■ Comfort enhanced by Round Flow!

## 360° airflow

- With uniform temperature distribution



Airflow distribution creates uniform comfort throughout the space.

Room remains comfortable even when set temperature is raised 1°C.

## Air movement is gentle with Round Flow

- Enhanced Comfort



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

Velocity decreases by 25% when set temperature is raised 1°C to 1.5°C.

## Adapts easily to the installation space

- As air flows out from corner outlets, comfort spreads more evenly.

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

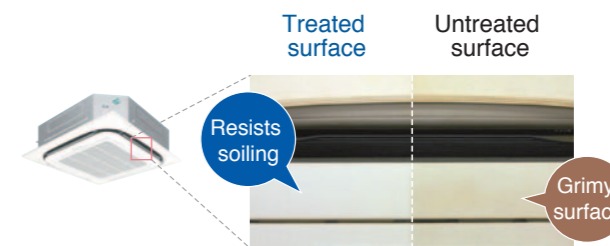
All-round flow	3-way flow	L-shaped 2-way flow	Opposite 2-way flow
(E.g., installed in middle of ceiling) 4-way flow also possible.	(E.g., installed near a wall)	(E.g., installed in a corner)	(E.g., installed in a long room)

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

Grime prevention and antibacterial coating: Makes cleaning easier

## External panels are treated with a coating that helps to repel dirt

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



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

- Silver ion anti-bacterial drain pan

A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause smells and clogging.

- Non-flocking flaps

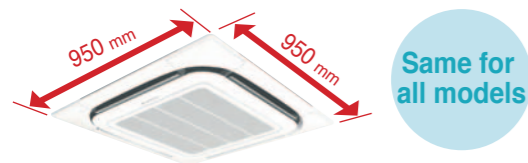
Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.

- Filter has anti-mould and antibacterial treatment

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

**Unified square panels** **Compact body and quiet operation**

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

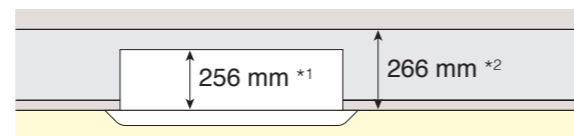


Indoor unit	Sound pressure level		
	High	Middle	Low
50KA	35	31.5	28
60KA	35	31.5	28
71KA	35	31.5	28
100KA	43	37.5	32
125KA	44	39	34
140KA	44	40	36

**Optimal comfort and convenience assured by 2 air discharge modes**

**Quick and easy to install**

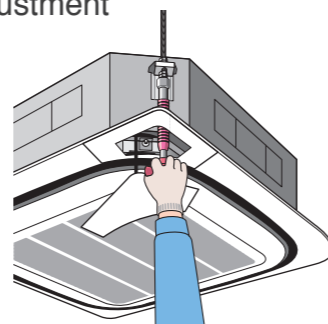
- Just 256 mm high. Installable in tight ceiling spaces (50-71KA)



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

- Easy height adjustment

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

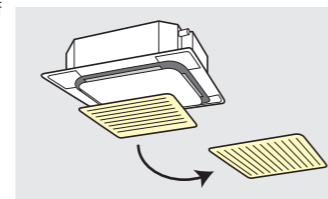


Note:  
If the wireless remote controller is installed, a signal receiver unit is housed in one of the adjuster pockets.

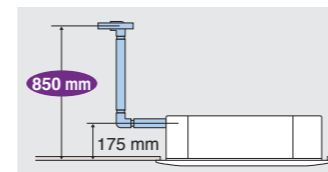
- All models can be installed without using lifter because of the light weight

- Installed in any direction

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



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



- Transparent drain socket



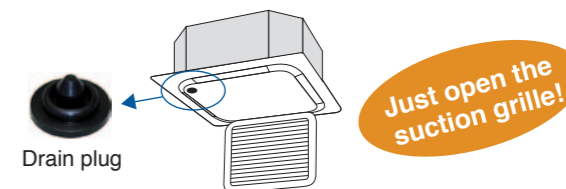
- DIII-NET communication standard

Connection to a centralised control system is available, no need for option card.

- Low gas pressure detection

**Easier to maintain**

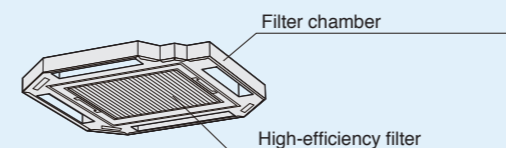
- The condition of the drain pan and drain water can be checked by removing the drain plug and suction grille



Options required for specific operating environments

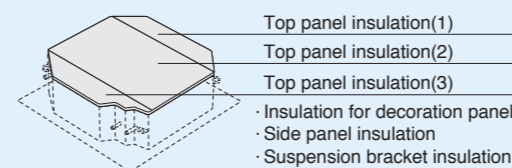
**High-efficiency filter unit**

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



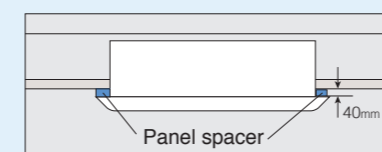
**Insulation kit for high humidity**

Please use if you think the temperature and humidity inside the ceiling exceeds 30°C and RH 80%, respectively.



**Panel spacer**

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



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

**Sealing material of air discharge outlet**

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

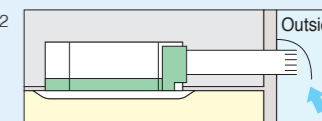
**Branch duct (direct-connection round duct)**

A round duct can be attached without the need for a chamber.

A flanged port for direct connection of a round duct is provided. An existing branch duct chamber can also be fitted (square slit hole).

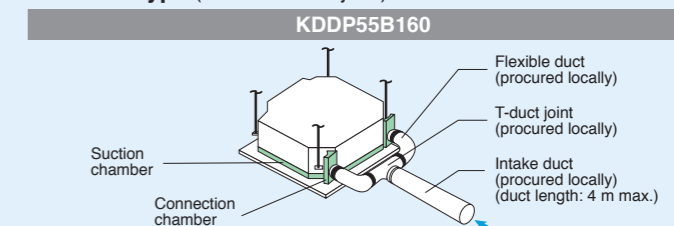
**Fresh air intake kit**

Using this kit, a duct can be connected to take outdoor air in. There are two chamber types that have intake in two places: with T-duct joint and without T-duct joint.

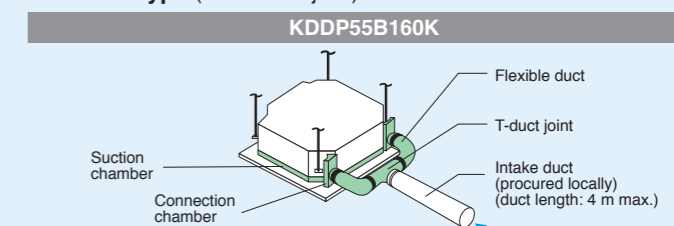


The units can be installed in the following different ways.

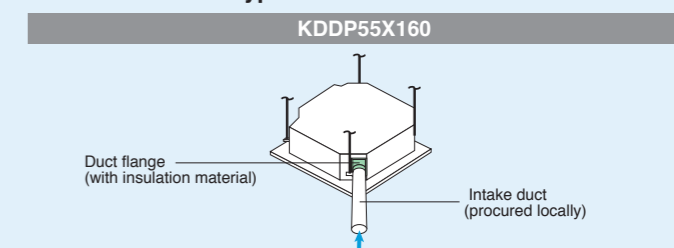
**Chamber type (without T-duct joint)**



**Chamber type (with T-duct joint)**



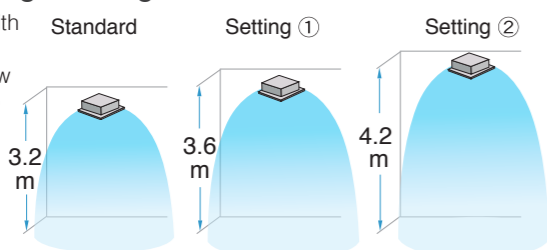
**Direct installation type**



Note: 1 Use of options will increase operating sound.  
2 Connecting ducts, fan, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.  
3 When a local-procured fan is used, an interlock with air conditioner is necessary. Optional PCB(KRP1C63) is required for interlocking.  
4 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.

- Suitable for high ceilings

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



When all round flow is selected, ceilings up to 4.2 m in height can be accommodated. (100-140KA)

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

Ceiling height	Standard	Number of air discharge outlets used							
		50-71KA				100-140KA			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m	
High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m	
High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—	

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

- Two selectable temperature-sensors

- Hot start

- Switchable fan speed: High/Middle/Low

Control of airflow rate has been improved from 2-step to 3-step.

# Comfortable airflow travels throughout the room



**Accessory required for indoor unit**

**Wired Remote Controller**



**"Nav Ease"**  
**BRC1E62**

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

**Option**

**Wireless LCD remote controller**

A signal receiver must be added to the indoor unit.



140CA **BRC7GA53**



**Signal receiver unit (Installed type)**  
Wireless remote controller is supplied in a set with a signal receiver.

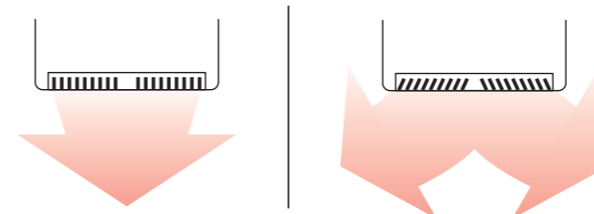
## The latest stylish model

- Sophisticated design  
Flap neatly closes when not in use.
- White colour

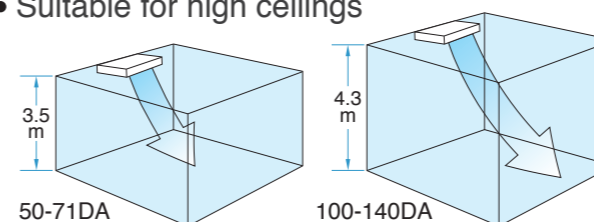


## Comfortable

- The technology of the DC fan motor, wide sirocco fan, and large heat exchanger combine for greater airflow and quiet operation
- Auto swing (up and down) and louvers (left and right by hand) bring comfort to the room
- Louver manually adjusts for straight or wide angle airflow



- Suitable for high ceilings



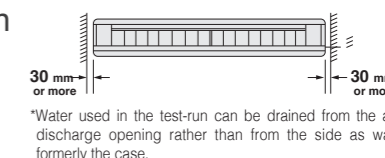
	50-71DA	100DA	125/140DA
Standard	2.7m or less	3.8m or less	4.3m or less
High ceiling	2.7m~3.5m	3.8m~4.3m	—

Note: Factory settings is "standard".  
"High ceiling" are set with remote controller by field setting.

- Two selectable temperature-sensors [See page 21](#)
- Switchable fan speed: High/Middle/Low
- Programme "Dry" [See page 21](#)

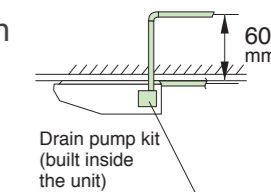
## Installation flexibility for freedom of design

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



\*Water used in the test-run can 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

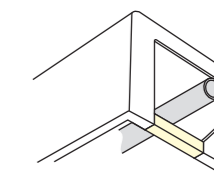


Drain pipe connection can be done inside the unit. Refrigerant and drain pipe outlets are at the same opening.

- DIII-NET communication standard  
Connection to a centralised control system is available, no need for option card.

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

- Easier piping work for rear side by removable frame

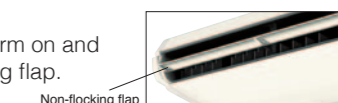


## Easy maintenance

- Drain pump kit (option) includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging

- Non-flocking flap

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



- Easy-clean, flat surfaces

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

## Quiet operation

Indoor unit	Sound pressure level		
	High	Middle	Low
50/60DA	37	35	32
71DA	38	36	34
100DA	42	38	34
125DA	44	41	37
140DA	46	42	38

## Oil resistant grille

- Oil-resistant plastic is used for the air suction grille. This satisfies durability in restaurants and other similar environments.

Note: Intended for use in salons, dining rooms, and ordinary sales floors, this specification is not suitable for kitchens or other harsh environments.

# Compact design and easy installation



FAQ71/100C

FAQ71C



FAQ100C



### Accessory required for indoor unit

#### Wired LCD remote controller



"Nav Ease"  
BRC1E62

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

#### Option

#### Wireless LCD remote controller

A signal receiver must be added to the indoor unit.



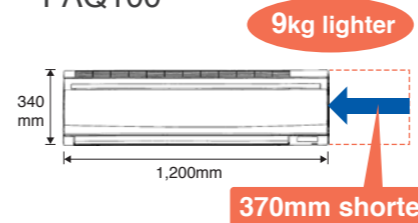
BRC7EB518



Signal receiver unit (Installed type)  
Wireless remote controller is supplied in a set with a signal receiver.

## Compact & Sophisticated design

- FAQ100



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

- Flaps neatly close when not in use
- Fresh white colour

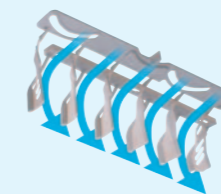


## Comfortable

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

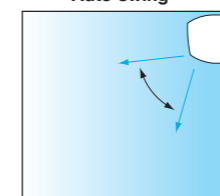
### Wide-angle louvers (by hand)

Soft material louver bends airflow over a wider area

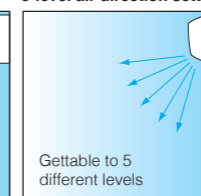


- An air discharge modes ensure comfortable air distribution across the entire room

#### Auto-swing

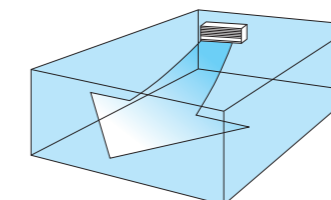


#### 5-level air direction setting



- Comfort even on the far side of the room

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

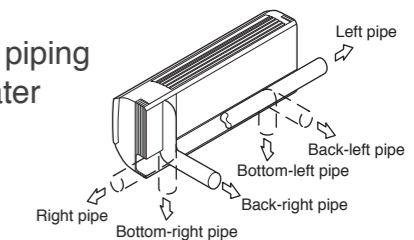


- Switchable fan speed: High/Middle/Low
- Auto airflow rate (When BRC1E62 is used)
- Programme "Dry"

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

## Design and installation flexibility

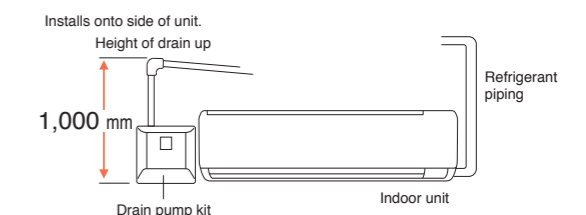
- 6-direction refrigerant piping offers greater installation flexibility



- Maintenance possible from the front of the unit

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

- Drain pump kit is available as option



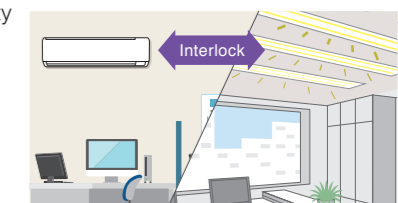
Drain pump kit can be installed on either left and right side of the indoor unit.



- Interlock control

As an energy saving feature, the room air conditioning unit can be interlocked with the key card system.

Through 3rd party building management system, it is possible to interlock air conditioning and lighting.

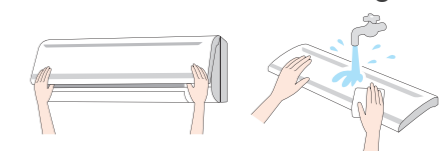


- DIII-NET communication standard

Connection to a centralised control system is available, no need for option card.

## Easy cleaning

- Removable and washable grille



- Flat panel, easy to wipe dust off

- Non-flocking flaps

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



**Super Inverter**

**Inverter series**



**Easy installation and maintenance**

• **Pre charged for up to 30 metres**  
If the refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

• **75 m piping length**

(Applicable to RZQS100-140A and RZQ100-140L outdoor units)

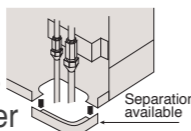
**Allowed refrigerant piping length and level difference**

	RZQS50-71A RZQ71L	RZQS100-140A RZQ100-140L
Pre charged <sup>1</sup>	30 m	
Max. length	50 m (Equivalent length 70m)	75 m (Equivalent length 90m)
Max. level difference	30 m	

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

• **4-direction piping offers greater layout freedom**  
The outer panel for the piping connection part of the front, right side and backside can be removed and is easier for post-installation piping work.

• **Removable part of bottom frame makes the piping work easier**

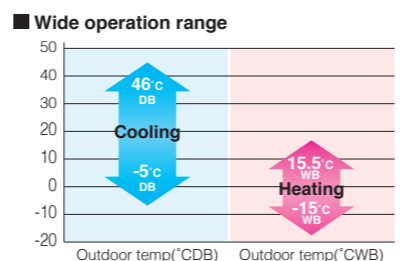


• **Facilitates pump down (Refrigerant recovery function)**  
A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified.

• **Low gas pressure detection function**  
Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

**Operation range**

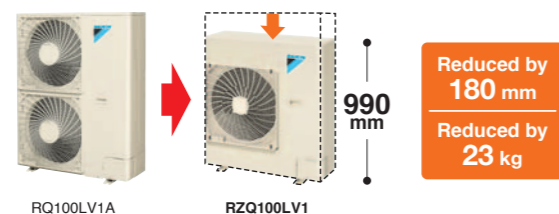
• **Suited for year-round cooling applications**  
Cooling is efficient even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.



**Compact and light weight**

• **Reduced installation work thanks to light, compact outdoor unit.**

Height 1,170 mm → **990 mm**  
Weight 98 kg → **75 kg**



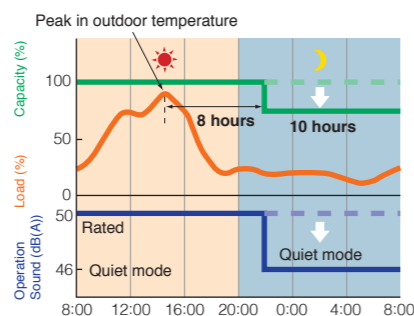
**Night time quiet operation function**

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

★ Reducing noise will reduce capacity slightly.

	Sound pressure level <sup>1</sup> (dB(A))	
	Rated <sup>2</sup>	Night Quiet Mode
Super Inverter		
RZQS50/60AV1	48	44
RZQS71AV1	50	46
RZQS100AV1/Y1	53	49
RZQS125AV1/Y1	54	50
RZQS140AV1/Y1	54	50
Inverter series		
RZQ71LV1	49	45
RZQ100/125LV1	51	47
RZQ140LV1	54	50

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

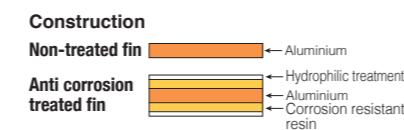


Note : <sup>3</sup>In case of RZQS71AV1

**Durability**

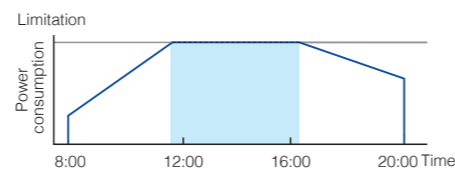
• As the bottom frame is subject to corrosion, a corrosion-proof galvarium steel plate is adopted to enhance the durability.

• Heat exchange fins are provided with anti-corrosion treatment



**Demand Control Function**

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



\* Required for KRP5BM51 (Option)

**Technology for energy efficiency**

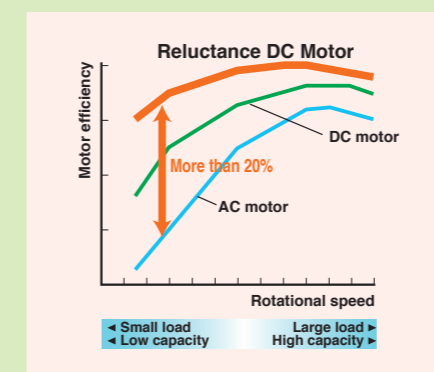
**The high efficiency compressor to achieve a high COP**

**1 Compressor equipped with Reluctance DC motor**

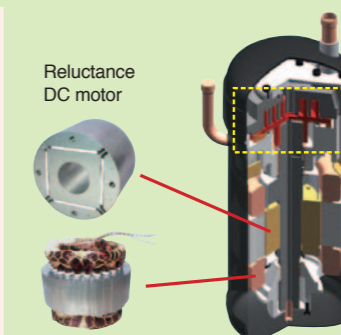
Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor.

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

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

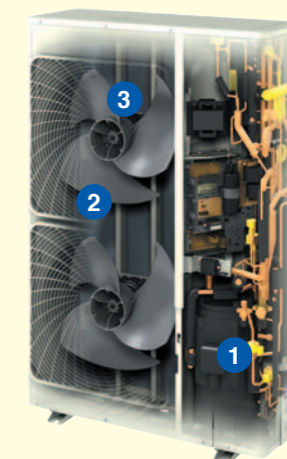


Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.



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

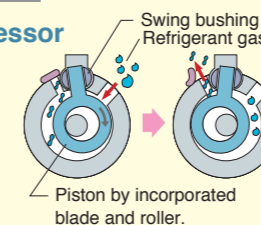
\*2. The torque created by the change in power between the iron and magnet parts.



RZQS50-71A, RZQ71/100L

**>> Swing compressor**

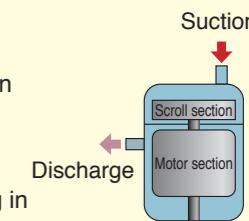
Energy savings is realised, eliminating the friction and the leakage of refrigerant gas.



RZQS100-140A, RZQ125/140L

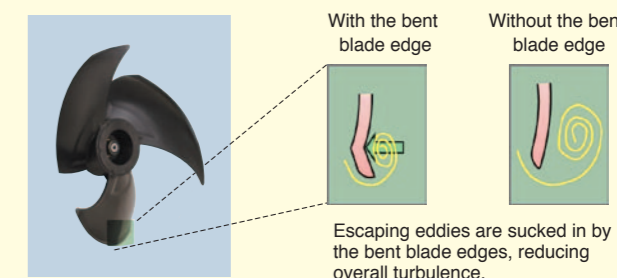
**>> Scroll compressor**

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 Aero Spiral Fan**

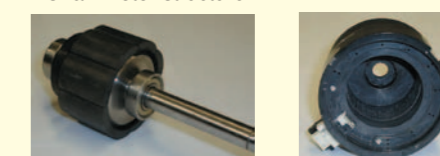
The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.



**3 DC fan motor**

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

DC fan motor structure



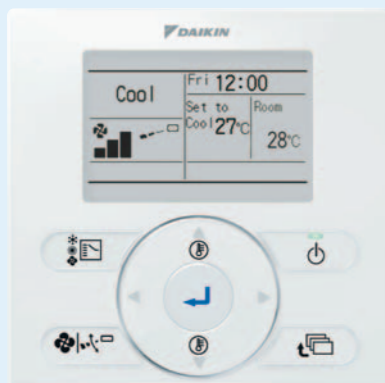
# Easy-to-read LCD remote controller allows various system

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

# control configurations and control of multiple indoor units.

## Wired Remote Controller "Nav Ease"

NEW



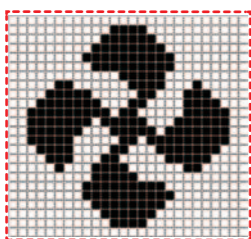
BRC1E62

This simple, contemporary remote controller with fresh white colour matches your interior design. The clear, backlight display with large easy-to-read text makes navigation easy and provides one-touch control over your in-home comfort.

### Clear Display

#### Dot matrix display

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



#### Backlight display



### Energy saving

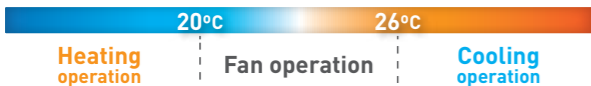
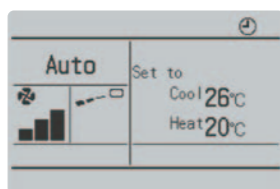
#### Auto operation mode

Until now only the temperature for one point could be set, but now the new remote controller (BRC1E62) allows the setting of both Cooling and Heating, and with the fan operation, mid-range temperatures are comfortable and operation is more energy efficient.

NEW

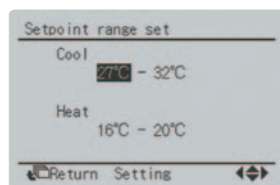
#### 2 setpoints

Cooling / Heating



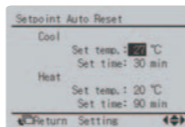
#### NEW Setpoint range set

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

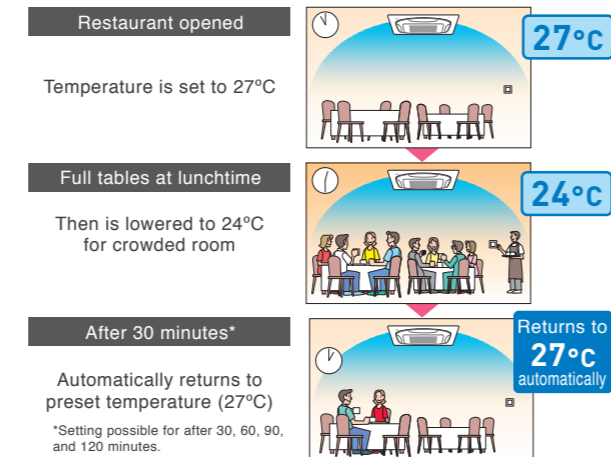


#### NEW Setpoint auto reset

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



#### Restaurant sample



#### Off timer (programmed)

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

### Convenience

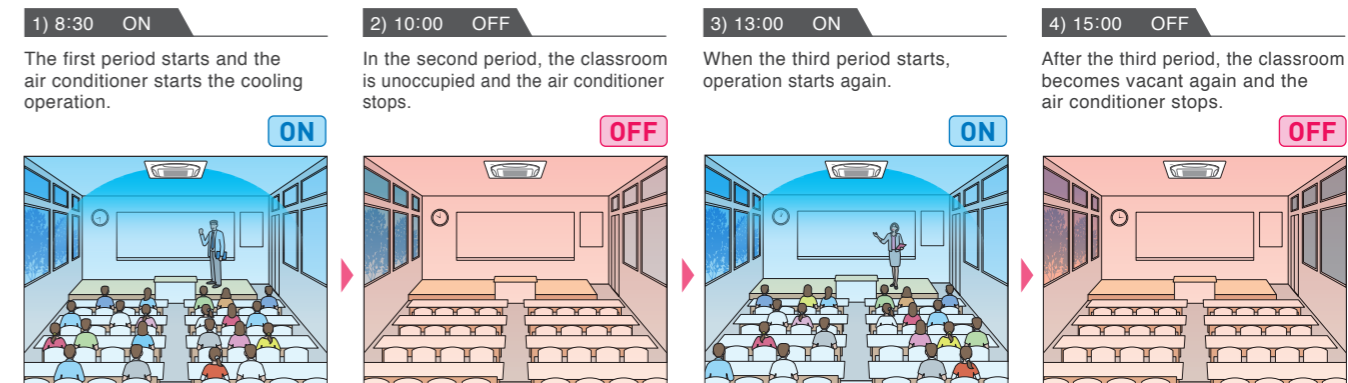
#### Weekly schedule

- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as holiday.

NEW - 3 independent schedules can be set. (e.g. summer, winter, mid-season)

Schedule nr 1				
	Time	Act	Cool	Heat
Mon	8:30	ON	25°C	—°C
	10:00	OFF	—°C	—°C
	13:00	ON	25°C	—°C
	15:00	OFF	—°C	—°C

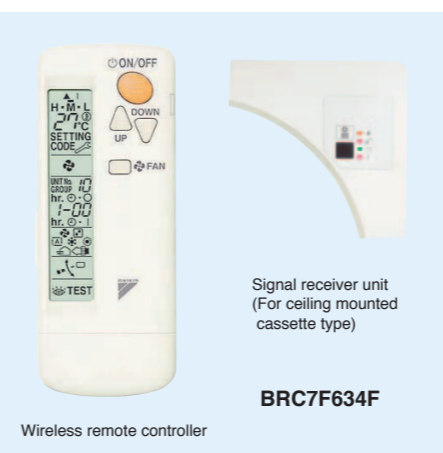
#### College classroom sample (a summer Monday case)



#### Multilingual display

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

### LCD wireless remote controller



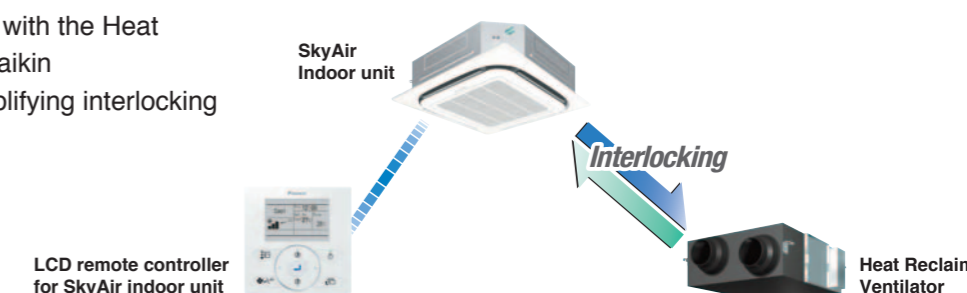
- The wireless remote controller is supplied in a set with a signal receiver.
- Signal receiver unit is contained inside decoration panel or indoor unit.
- Shape of signal receiver unit differs according to the indoor unit.

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

#### Wireless remote controller for each indoor unit type

	Heat pump
CEILING MOUNTED CASSETTE TYPE	BRC7F634F
CEILING SUSPENDED TYPE	BRC7GA53
WALL MOUNTED TYPE	BRC7EB518

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



### System variation to control multiple indoor units

	Control pattern	Wired remote controller	Wireless remote controller
<b>Control by 1 remote controller</b>	(Basic system)	 ● Non-polar, double-core (max. wiring length 500 m)	 ● Signal receiver unit installed on indoor unit
<b>Control by 2 remote controllers</b>	For control from 2 locations such as in room and control room, exits, etc.	 ● Connects 2 wired remote controllers (See note 1)	 ● Not possible (See note 2, 3)
<b>Group control</b>	For simultaneous control of up to 16 indoor units.	 ● Automatic address setting function	 ● Automatic address setting function ● Signal receiver unit installed on 1 indoor unit
<b>Control by external command</b>	Operation and monitoring is carried out using the contact signal from the operation control box in the monitoring room.	 (Command from outside) ● Optional wiring adaptor for electrical appendices is necessary	 (Command from outside) ● Optional wiring adaptor for electrical appendices is necessary
<b>Centralised remote control</b>	Centralised control of up to 64 indoor groups from remote location up to 1 km away.	 Central remote controller (option)	 Central remote controller (option)
<b>Interlock control with Heat Reclaim Ventilator</b>	Link by remote controller group control.	 Heat Reclaim Ventilator ● Can be operated simultaneously or independently by remote controller (set by ventilation mode)	 Heat Reclaim Ventilator ● Can be operated simultaneously by remote controller (set by ventilation mode)
	Zone link control by centralised control.	 Central remote controller (option) Heat Reclaim Ventilator ● Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking. Can also be operated independently by remote controller.	 Central remote controller (option) Heat Reclaim Ventilator ● Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking

Note: <sup>1</sup>BRC1E62 can connect to BRC1E62 only. <sup>2</sup>It is not possible to use two wireless remote controllers. <sup>3</sup>BRC1E62 cannot connect to wireless remote controller.

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

**Central remote controller**

DCS302CA61 (Option)



Centralised control, with a setting as simple as it is with a standard remote controller, of up to 64 groups (1,024 indoor units) is possible.

**Unified on/off controller**

DCS301BA61 (Option)



Centralised control of on/off by group or all at once for up to 256 indoor units.

**Schedule timer**

DST301BA61 (Option)



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.

**Intelligent touch Controller**

DCS601C51 (Option)



With its high functionality, the full colour "all-in-one" graphic controller facilitates management of SkyAir System in a variety of ways.

## Functions overview

Cooling only

	Indoor unit	CEILING MOUNTED CASSETTE TYPE (Round Flow)	CEILING SUSPENDED TYPE	WALL MOUNTED TYPE
		 FCQ50-140KAVEA	 FHQ50-140DAVMA	 FAQ71/100CVEA
		RZQS50-140AV1 RZQS100-140AY1 RZQ71-140LV1	RZQS50-140AV1 RZQS100-140AY1	RZQS71/100AV1 RZQS100AY1
<b>Comfort</b>	Auto swing	●	●	●
	Swing pattern selection	●		
	Draft prevention function (heating)	●	●	●
	DC fan motor (Indoor unit)	●	●	●
	Switchable fan speed	● 3step	● 3step	● 3step
	Auto airflow rate			● *3
	High fan speed mode			●
	Programme "Dry"	●	●	●
	High ceiling application	●	● *4	
	Two selectable temperature-sensors *1	●	●	●
Hot start	●	●	●	
Year-round cooling applicable	●	●	●	
Night quiet operation *2	●	●	●	
<b>Remote Controller</b>	Setpoint auto reset *3	●	●	●
	Setpoint range set *3	●	●	●
	Weekly schedule timer *3	●	●	●
	Off timer (programmed) *3	●	●	●
<b>Cleanliness</b>	Anti-bacterial air filter	●	●	
	Mould-proof air filter			●
	Silver ion anti-bacterial drain pan	●		
<b>Work &amp; servicing</b>	Drain pump mechanism	●	● *5	● *5
	Pre-charged for up to 30 m *2	●	●	●
	Filter sign	●	●	●
	Ceiling soiling prevention	●		
	Low gas pressure detection *2	●	●	●
	Emergency operation	●	●	●
Self-diagnosis function	●	●	●	
<b>Control features</b>	Auto-restart	●	●	●
	Auto-cooling/heating change-over	●	●	●
	Control by 2 remote controllers	●	●	●
	Group control by 1 remote controller	●	●	●
	External command control	● *5	● *5	● *5
	Central remote control	●	●	●
	Interlock control with Heat Reclaim Ventilator	●	●	●
	DIII-NET communication standard	●	●	●
<b>Options</b>	High-efficiency filter	●		
	Fresh air intake kit	●	●	
<b>Others</b>	Anti corrosion treated heat exchangers *2	●	●	●

Note: \*1 : Applicable when wired remote controller is used  
\*2 : For outdoor units  
\*3 : Applicable when BRC1E62 is used

\*4 : Installable on max. 3.5 m(50-71) and 4.3 m (100-140) high ceiling  
\*5 : Option

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

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

## Comfort

### Auto-swing

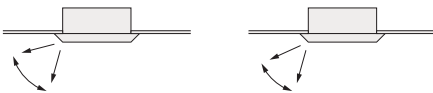
Delivers comfortable air-conditioning to all areas, near to and far from the air-conditioner. ■ The air flow direction can be fixed at your desired angle by the remote controller.

### Swing pattern selection

(standard, ceiling soiling prevention)

You can freely set air discharge settings by remote controller.

(1) standard setting (2) Draft prevention setting



### Draft prevention function (heating)

To prevent cold air drafts, automatically adjusts airflow to near horizontal position when heating initially starts or when the thermo off.

### DC fan motor (indoor unit)

DC fan motor improves efficiency.

### Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

### Auto airflow rate

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

### High fan speed mode

• Applicable for wall mounted type.

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

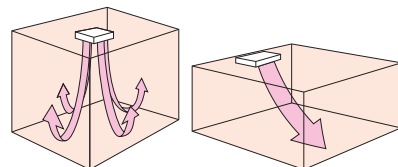
### Programme "Dry"

Dehumidification is a 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

• Applicable for ceiling mounted cassette type and ceiling suspended type.

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



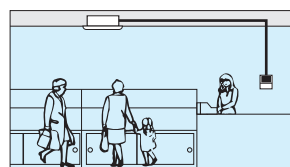
Note: When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

### Two selectable temperature-sensors

Temperature-sensors are included in the indoor unit and optional wired remote controller. Temperature sensing closer to the 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.



### Hot start

Cold air flow is avoided when heating operation starts or when switching to heat after defrosting.

### Year-round cooling applicable

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

### Night quiet operation

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

## Remote Controller

### Setpoint auto reset

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

### Setpoint range set

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

### Weekly schedule timer

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

### Off timer (programmed)

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

## Cleanliness

### Anti-bacterial air filter

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

### Mould-proof air filter

Sanitary filter has mould-resistant treatment.

### Silver ion anti-bacterial drain pan

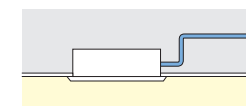
A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause smells and clogging.

## Work and Servicing

### Drain pump mechanism

• Applicable for ceiling mounted cassette type and ceiling suspended type.

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



### Pre charged for up to 30 m

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

### Filter sign

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

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

### Ceiling soiling prevention

• Applicable for ceiling mounted cassette type.

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

### Low gas pressure detection

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

### Emergency operation

Even if there is a malfunction elsewhere in the system, the fan or compressor can still be operated. (depending on the malfunction)

### Self diagnosis function

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

## Control features

### Auto-restart

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

### Auto cooling / heating change-over

Detects difference in preset temperature and actual room temperature and automatically switches to cooling or heating accordingly.

### Control by 2 remote controllers

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

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

### Group control by 1 remote controller

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

### External command control

Operation and monitoring is carried out using the contact signal from the operation control box in the building monitoring room.

\*An option is required.

### Central remote control

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

### Interlock control with Heat Reclaim Ventilator

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

### DIII-NET communication standard

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

## Options

### High-efficiency filter

• Applicable for ceiling mounted cassette type.

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

### Fresh-air intake kit

• Applicable for ceiling mounted cassette type.

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

## Others

### Anti corrosion treated heat exchangers

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



Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option	Remark	Kit name					
		FCQ50KAWEA	FCQ60KAWEA	FCQ71KAWEA	FCQ100KAWEA	FCQ125KAWEA	FCQ140KAWEA
Decoration panel		BYCP125K-W1					
Sealing material of air discharge outlet		KDBH55K160F					
Panel spacer		KDBP55H160FA					
Fresh air intake kit <sup>1</sup>	Chamber type	Without T-duct joint					
	Direct installation type	With T-duct joint					
High-efficiency filter unit (including filter chamber)	(Colorimetric method 65%)	KAFP556B80			KAFP556B160		
	(Colorimetric method 90%)	KAFP557B80			KAFP557B160		
Replacement high-efficiency filter	(Colorimetric method 65%)	KAFP552B80			KAFP552B160		
	(Colorimetric method 90%)	KAFP553B80			KAFP553B160		
Filter chamber		KDDFP55B160					
Branch duct chamber		KDJP55B80			KDJP55B160		
Chamber connection kit <sup>2</sup>		KKSJ55KA160					
Insulation kit for high humidity		KDTP55K80			KDTP55K160		
Remote controller	Wireless type	Heat pump					
Navigation Remote Controller	Wired type <sup>3</sup> "Nav Ease"	BRC1E62					
Central remote controller <sup>4</sup>		DCS302CA61					
Unified ON/OFF controller <sup>4</sup>		DCS301BA61					
Schedule timer <sup>4</sup>		DST301BA61					
intelligent Touch Controller <sup>4</sup>		DCS601C51					
Adaptor for wiring <sup>5</sup>		KRP1C63					
Wiring adaptor for electrical appendices(2) <sup>5</sup>		KRP4AA53					
Installation box for adaptor PCB		KRP1H98					
Remote sensor (for indoor temperature)		KRCS01-4B					

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

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

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

All-round flow 4-way flow		Optional accessory parts		Panel spacer <sup>1</sup>	Wireless remote controller	Fresh air intake kit (Chamber type) <sup>1,2</sup>	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter <sup>2</sup>
Independently installable optional parts									
Panel/grille related	Panel spacer <sup>1</sup>							X	○
Operation control related	Wireless remote controller	○						○	○
Auxiliary function related	Fresh air intake kit (Chamber type) <sup>1,2</sup>	○				X		X	○
	Fresh air intake kit (direct mount)	○				X		○	○
	High-humidity operation kit	X				X		○	X
Filter related	High-efficiency filter <sup>2</sup>	○				○		X	

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

Branch duct connection		Optional accessory parts		Panel spacer <sup>1</sup>	Wireless remote controller	Fresh air intake kit (Chamber type) <sup>1,2</sup>	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter <sup>2</sup>
Independently installable optional parts									
Branch duct <sup>1</sup> (Chamber type) (Round duct type)	1-way branch / unit 3-way flow	○				○	○ <sup>4</sup>	X	X
	2-way branch / unit 2-way flow	X				○	○ <sup>4</sup>	X	X
	1-way branch / unit 2-way flow	X				○	○ <sup>4</sup>	X	X

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

Indoor unit

CEILING SUSPENDED TYPE

Name of option	Remark	Kit name					
		FHQ50DAVMA	FHQ60DAVMA	FHQ71DAVMA	FHQ100DAVMA	FHQ125DAVMA	FHQ140DAVMA
Fresh air intake kit		KDDQ50A140					
Drain pump kit		KDU50P140VE					
L-type piping kit (for upward direction)		KHFP5N160					
Remote controller	Wireless type	Heat pump					
Navigation Remote Controller	Wired type <sup>1</sup> "Nav Ease"	BRC1E62					
Central remote controller <sup>2</sup>		DCS302CA61					
Unified ON/OFF controller <sup>2</sup>		DCS301BA61					
Schedule timer <sup>2</sup>		DST301BA61					
intelligent Touch Controller <sup>2</sup>		DCS601C51					
Wiring adaptor for electrical appendices		KRP1BA54					
Wiring adaptor for electrical appendices <sup>3</sup>		KRP4AA52					
Installation box for adaptor PCB		KRP1D93A					
Adaptor box mounting plate		KKSAP50A56		—			
Remote sensor (for indoor temperature)		KRCS01-4B					
Electrical box with earth terminal (3 blocks)		KJB311AA					
Electrical box with earth terminal (2 blocks)		KJB212AA					

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

WALL MOUNTED TYPE

Name of option	Remark	Kit name	
		FAQ71CWEA	FAQ100CWEA
Drain-up kit		K-KDU572EVE	
Remote controller	Wireless type	Heat pump	
Navigation Remote Controller	Wired type <sup>1</sup> "Nav Ease"	BRC1E62	
Remote sensor (for Indoor temperature)		KRCS01-4B	
Central remote controller <sup>2</sup>		DCS302CA61	
Unified ON/OFF controller <sup>2</sup>		DCS301BA61	
Schedule timer <sup>2</sup>		DST301BA61	
intelligent Touch Controller <sup>2</sup>		DCS601C51	
Wiring adaptor for electrical appendices <sup>3</sup>		KRP4AA51	
Installation box for adaptor PCB		KRP4AA93	
Electrical box with earth terminal (3 blocks)		KJB311AA	
Electrical box with earth terminal (2 blocks)		KJB212AA	
Noise filter ( For electromagnetic interface use only)		KEK26-1A	

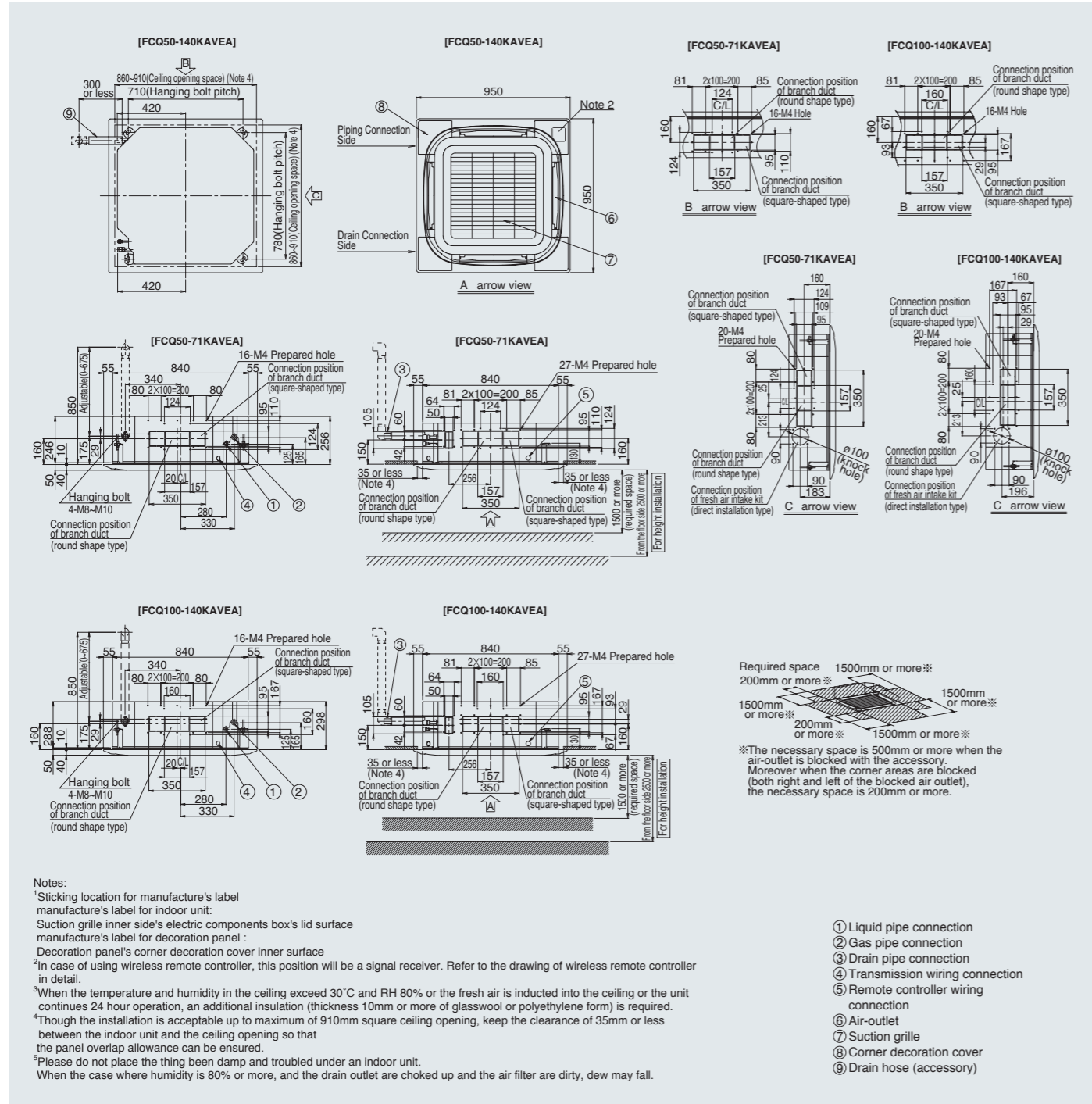
Note: <sup>1</sup>Wiring for wired remote controller to be procured locally.  
<sup>2</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
<sup>3</sup>Installation box for adaptor PCB (KRP4AA93) is necessary.

Outdoor unit

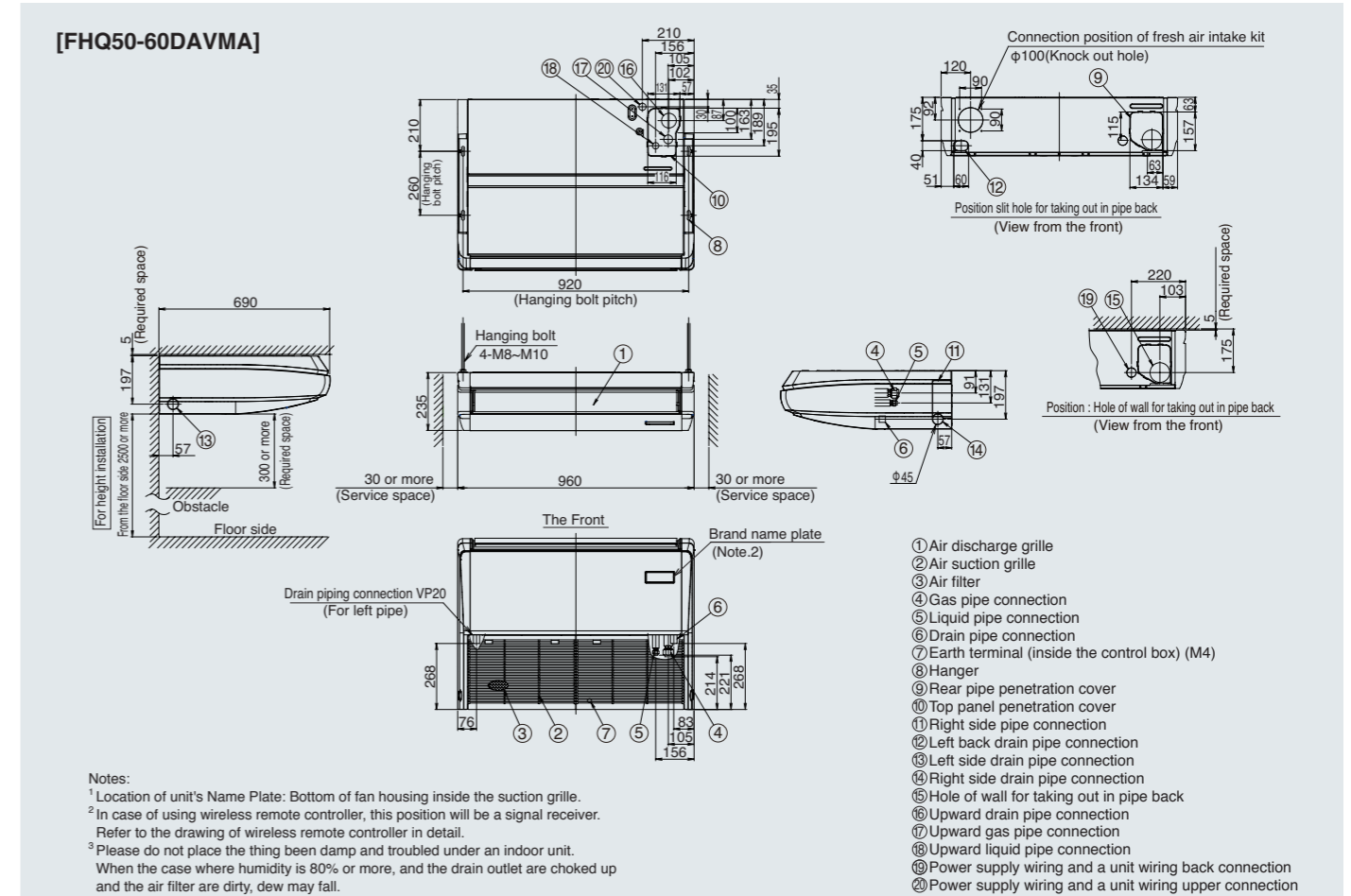
Name of option	Kit name					
	Heat pump					
	RZQS50AV1	RZQS60AV1	RZQS71AV1	RZQS100AV1	RZQS125AV1	RZQS140AV1
Central drain plug	KKPJ5F180			KKPJ5G280		
Fixture for preventing overturning	KPT-60B160			KKTP5B112		
Wire fixture for preventing overturning	K-KYZP15C					
Demand adaptor	KRP58M51					

Name of option	Kit name			
	RZQ71LV1	RZQ100LV1	RZQ125LV1	RZQ140LV1
Central drain plug	KKPJ5F180	KKPJ5G280	KKPJ5F180	KKPJ5G280
Fixture for preventing overturning	KPT-60B160	KKTP5B112	KPT-60B160	KKTP5B112
Wire fixture for preventing overturning	K-KYZP15C			
Demand adaptor	KRP58M51			

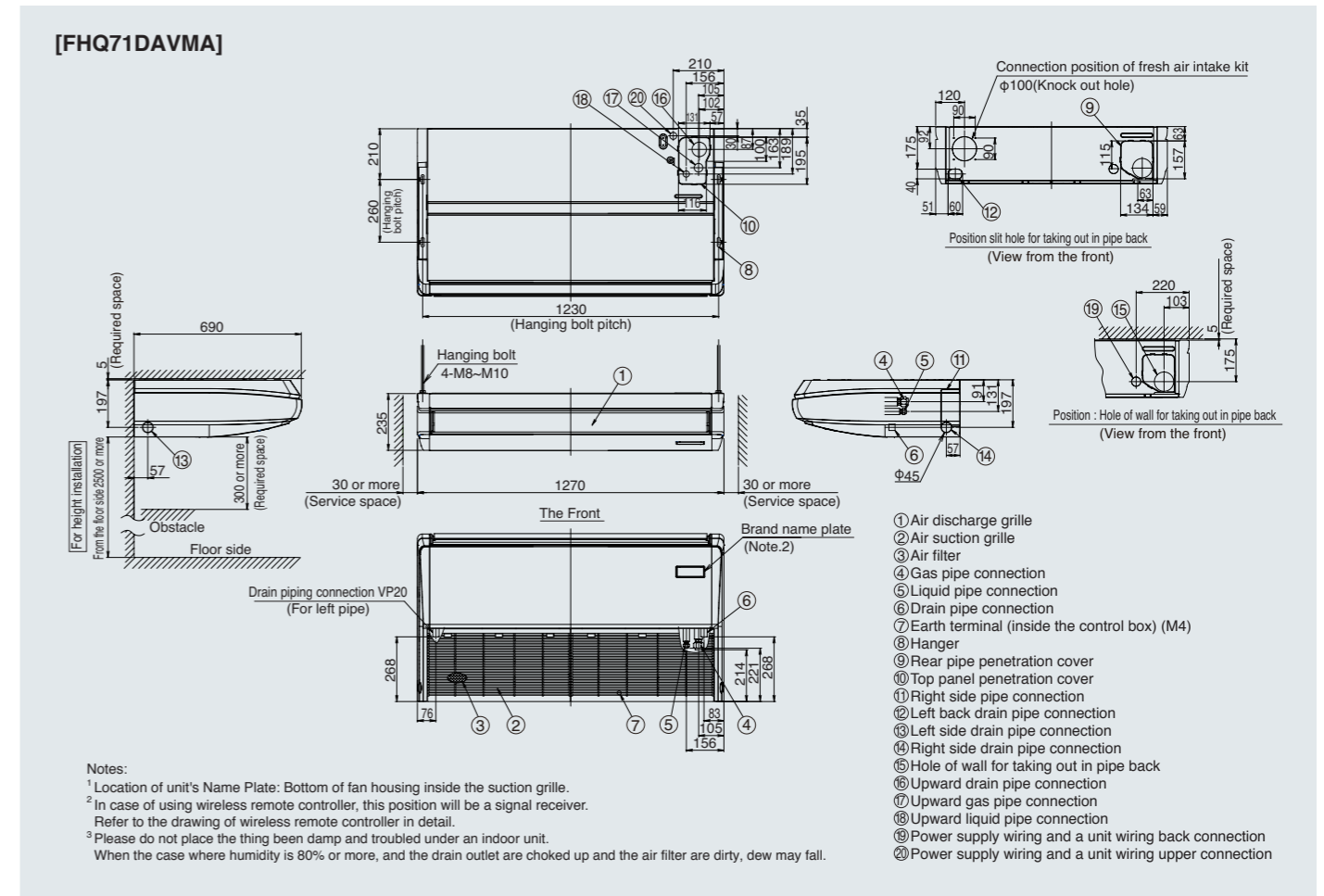
**CEILING MOUNTED CASSETTE TYPE**



**CEILING SUSPENDED TYPE**

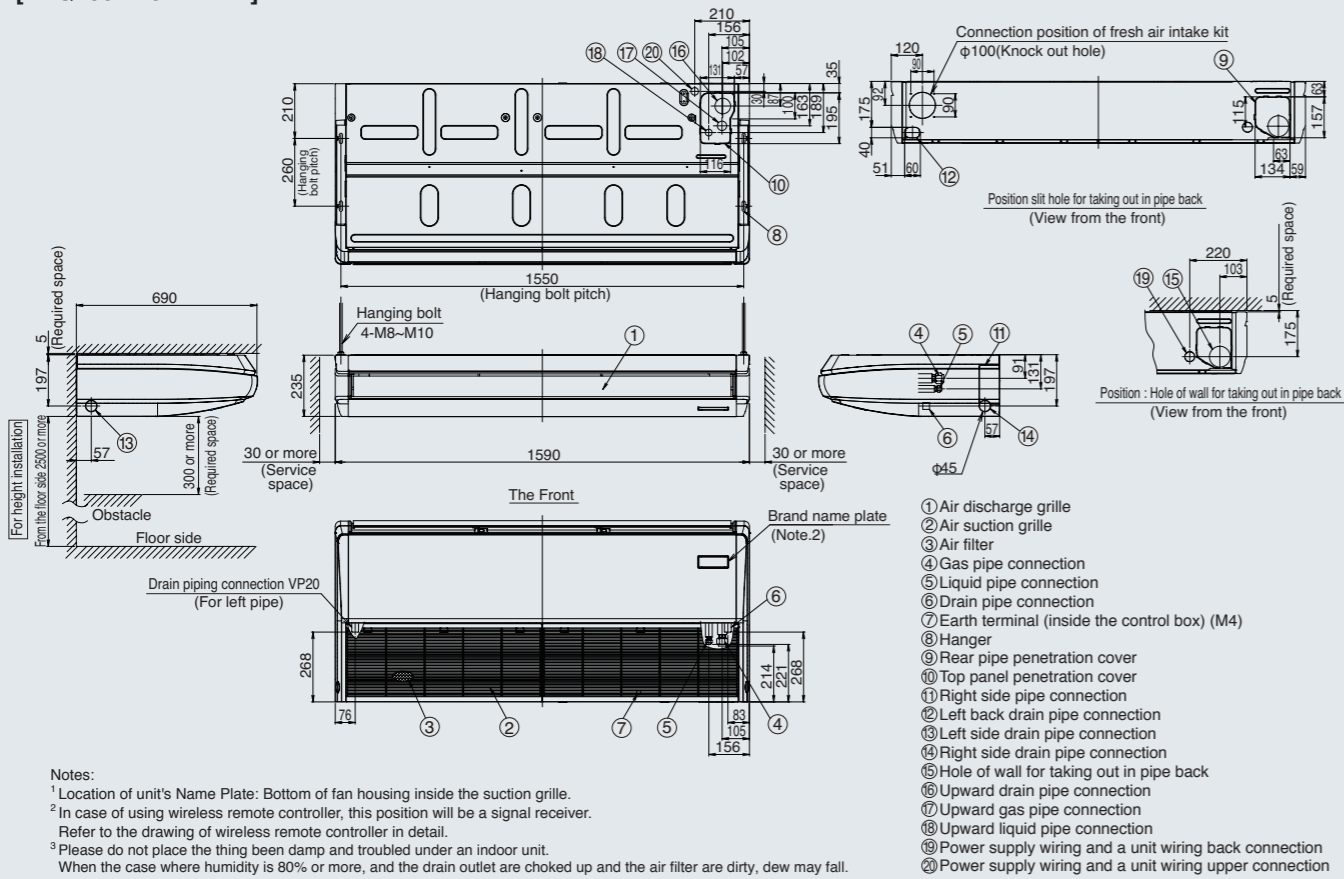


**CEILING SUSPENDED TYPE**



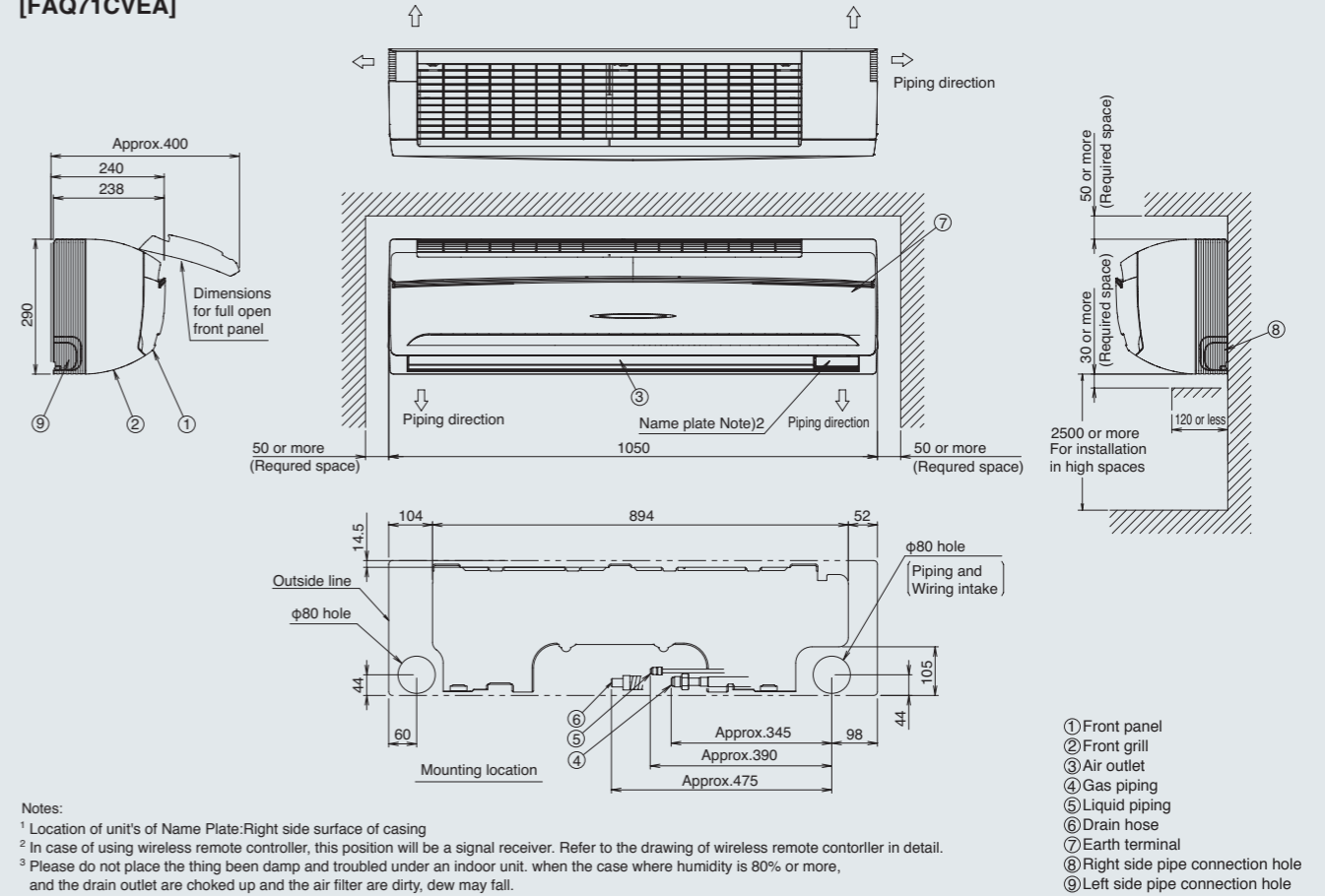
**CEILING SUSPENDED TYPE**

**[FHQ100-140DAVMA]**



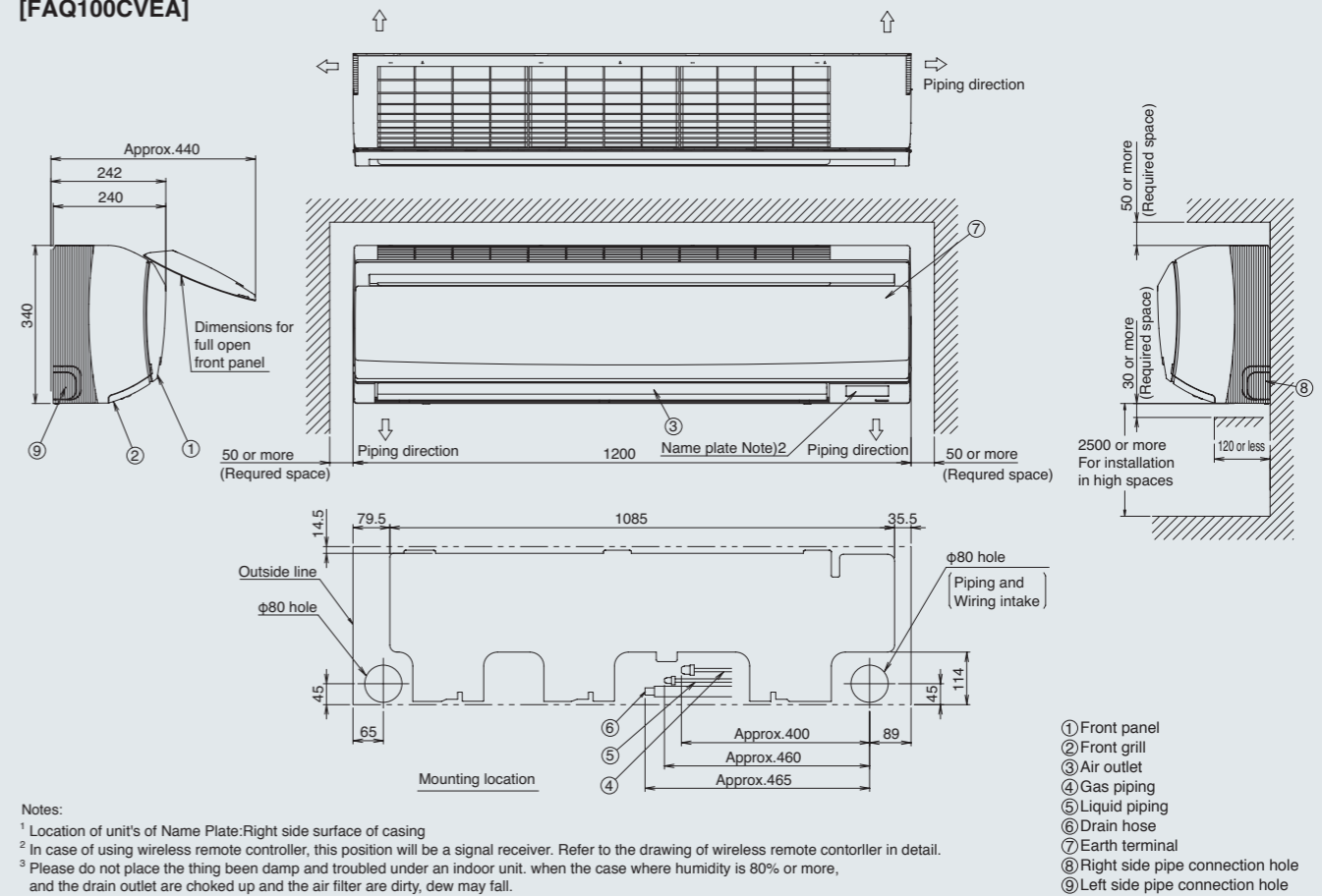
**WALL MOUNTED TYPE**

**[FAQ71CVEA]**



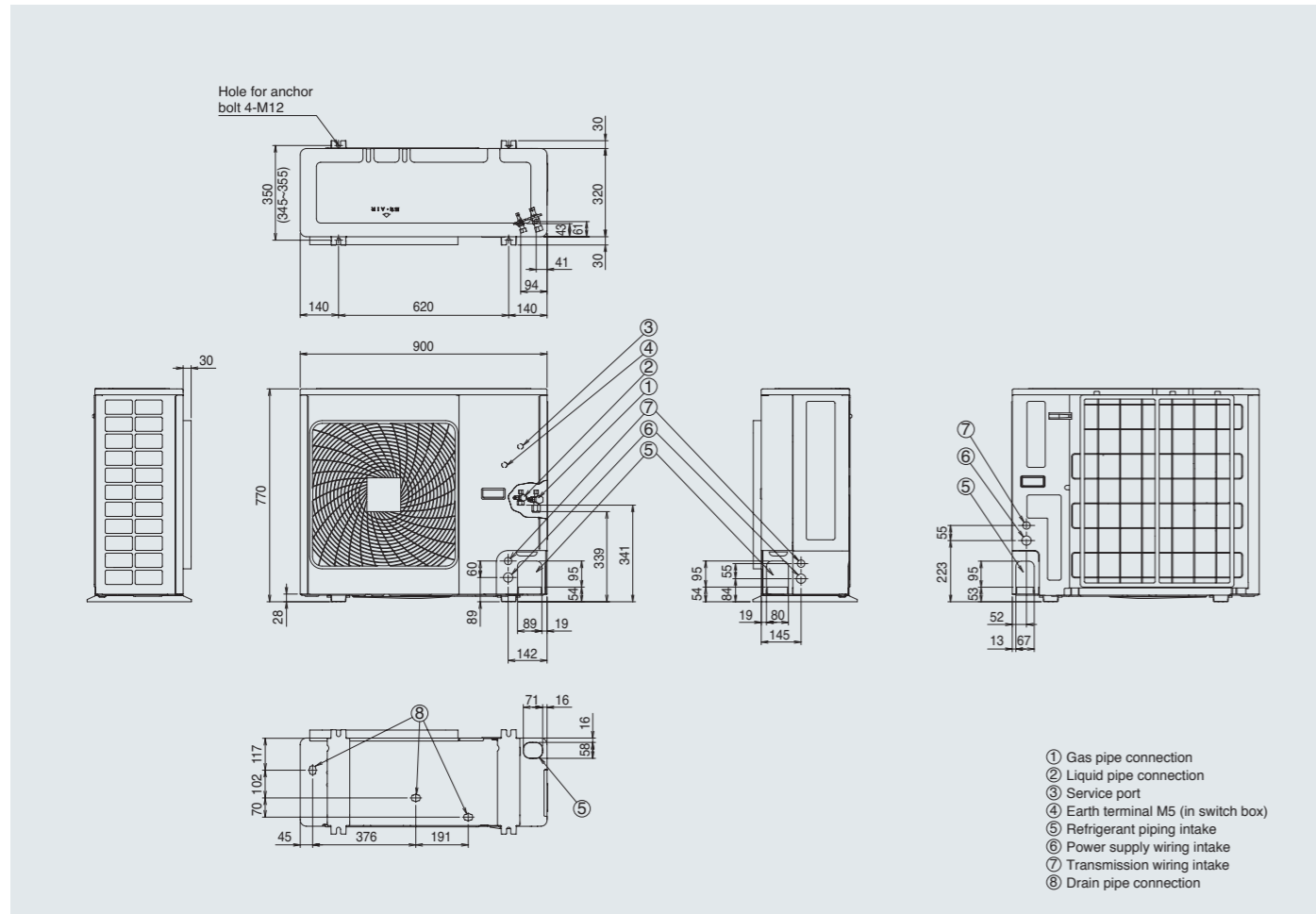
**WALL MOUNTED TYPE**

**[FAQ100CVEA]**

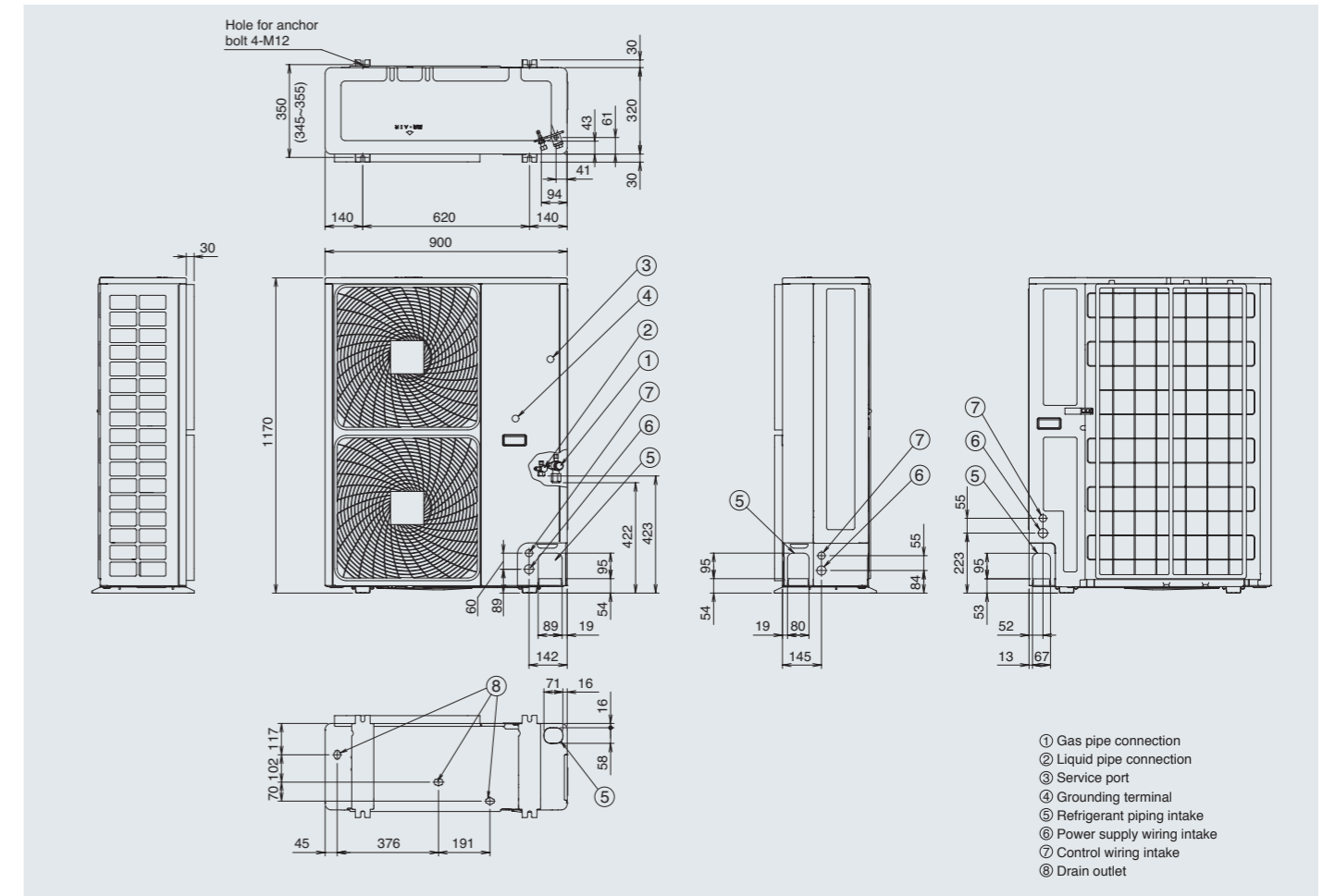




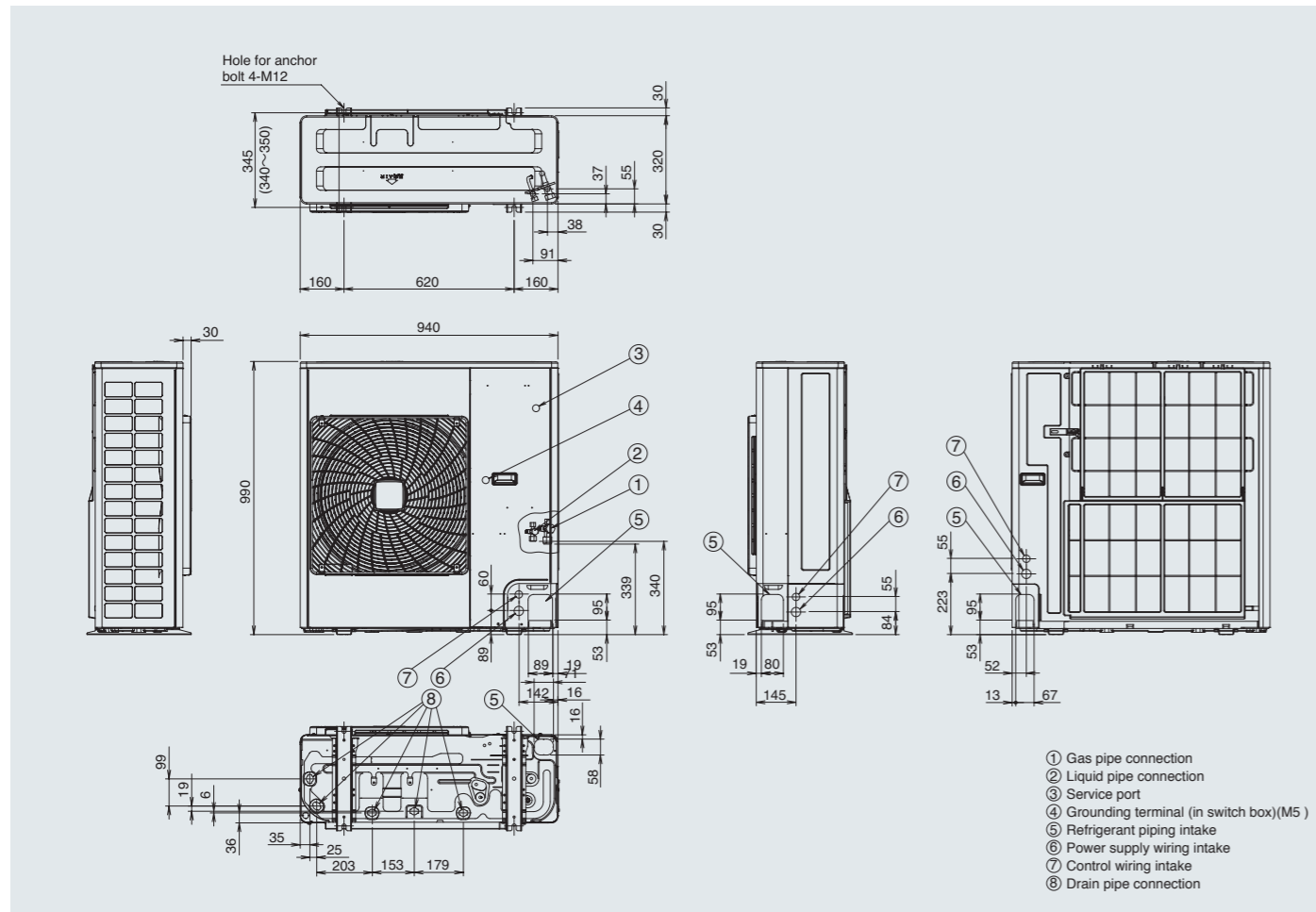
**OUTDOOR UNIT // RZQS50/60AV1, RZQ71LV1**



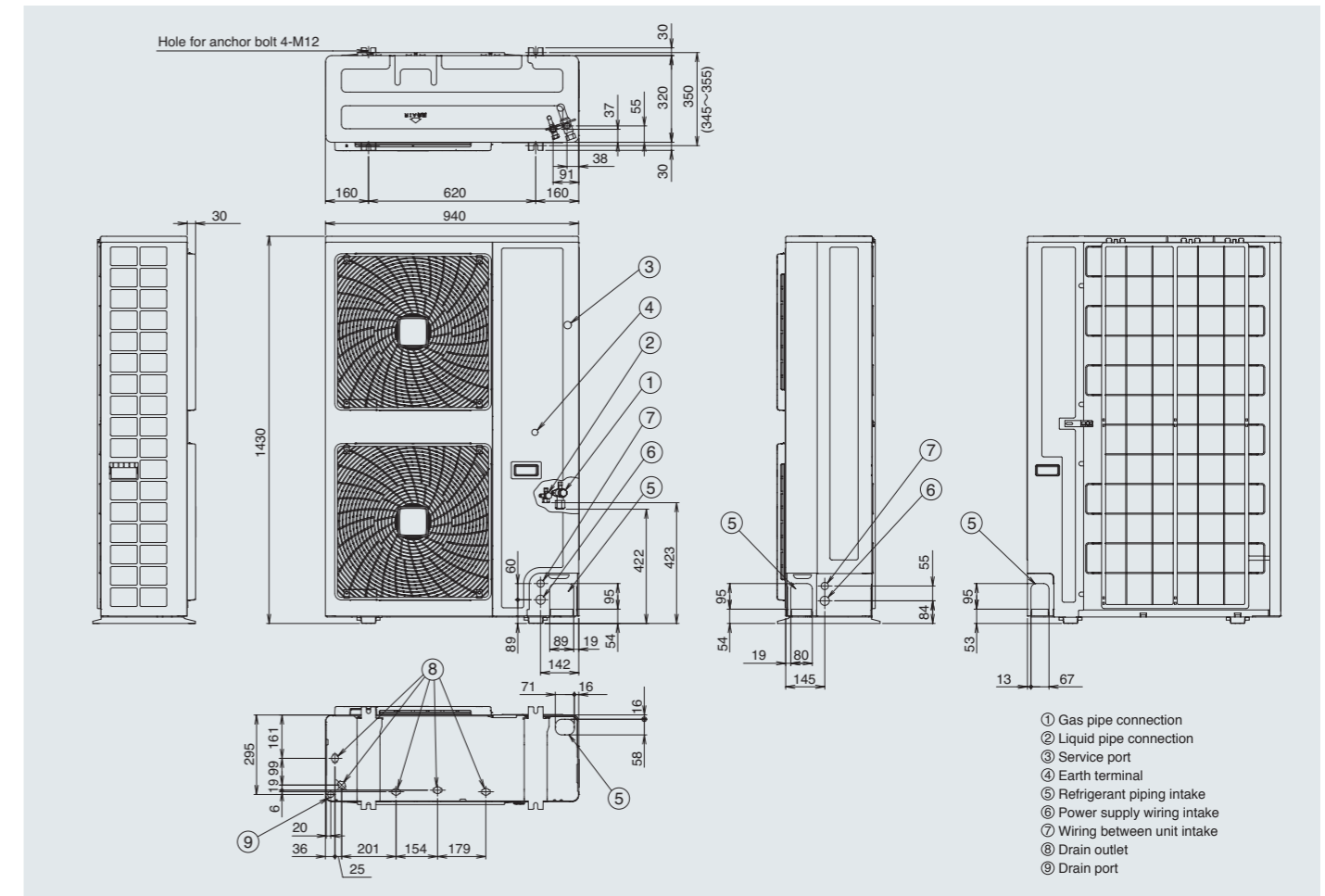
**OUTDOOR UNIT // RZQ125LV1**



**OUTDOOR UNIT // RZQS71AV1, RZQ100LV1**



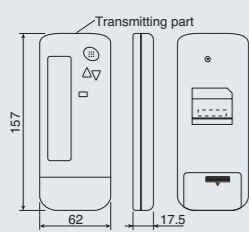
**OUTDOOR UNIT // RZQS100/125/140AV1, RZQS100/125/140AY1, RZQ140LV1**



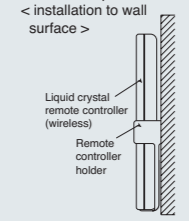
**REMOTE CONTROLLER**

◁ Wireless type ▷

Remote controller dimensions

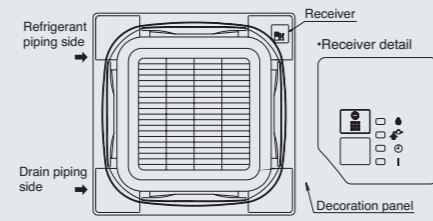


Remote controller holder installation procedure < installation to wall surface >



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

Receiver installation procedure



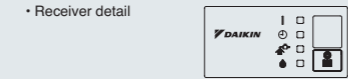
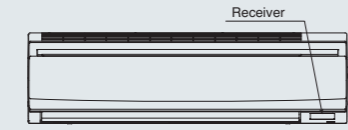
**CEILING SUSPENDED TYPE**

Receiver installation procedure



**WALL MOUNTED TYPE**

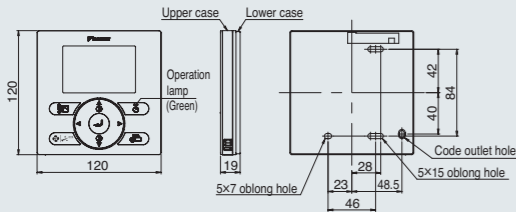
Receiver installation procedure



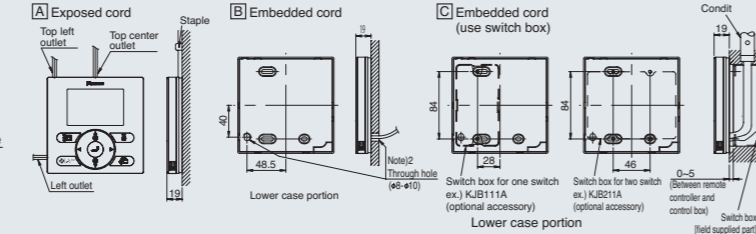
◁ Wired type ▷

Remote controller dimensions

BRC1E62



Installation method



Note)

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

Specifications of cord

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

2. If the hole size is too large or the location is not proper, the hole may come out from the remote controller.

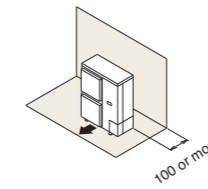
■ For RZQS50-140AV1, RZQS100-140AY1, RZQ71-140LV1,

1 When there is an obstruction on the inlet side

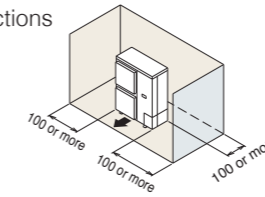
1) When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

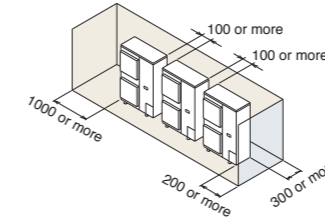


When there are obstructions on both sides



2. For series installation (more than two units)

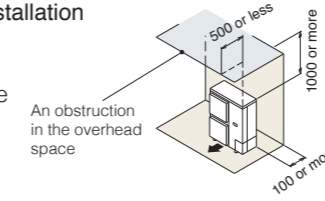
When there are obstructions on both sides



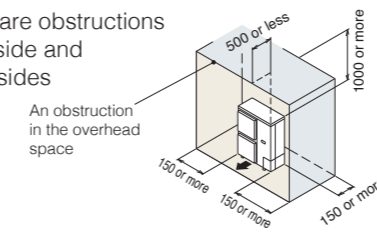
2) When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

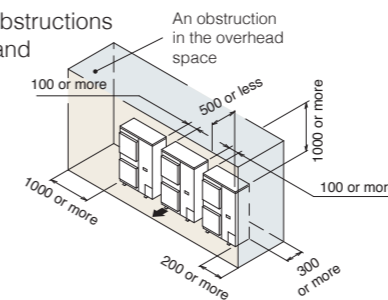


When there are obstructions on the inlet side and both lateral sides



2. For series installation (more than two units)

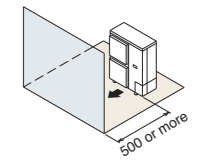
When there are obstructions on the inlet side and both lateral sides



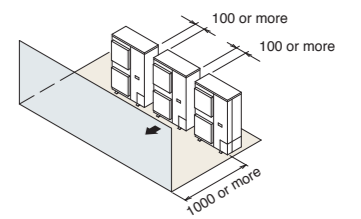
2 When there is an obstruction on the outlet side

1) When the overhead space is open

1. For single unit installation



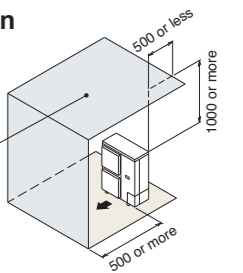
2. For series installation (more than two units)



2) When there is an obstruction in the overhead space

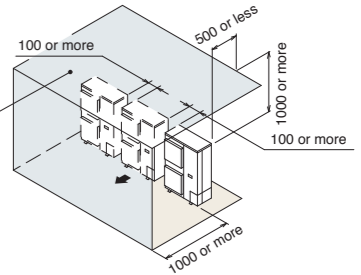
1. For single unit installation

An obstruction in the overhead space



2. For series installation (more than two units)

An obstruction in the overhead space



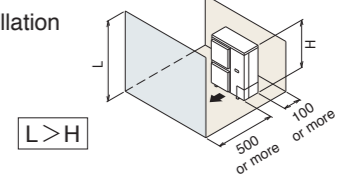
3 When there are obstructions on both the inlet and outlet sides

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

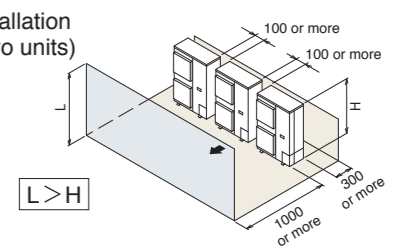
1) When the overhead space is open

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

1. For single unit installation



2. For series installation (more than two units)



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



**Warning**



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

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

**Cautions on product corrosion**

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