



PCSVN1614



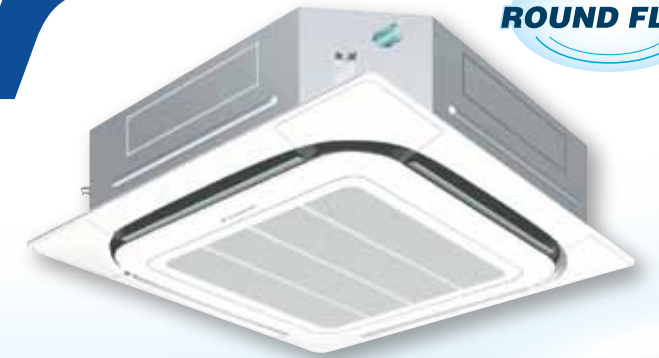
- Warning
- Ask a qualified installer or contractor to install this product. Do not try to install the product by yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
  - Use only those parts and accessories supplied or specified by Daikin. 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.

# SkyAir



AIR CONDITIONING SYSTEM  
COOLING ONLY [50Hz]

**R-410A**

#### Đại lý phân phối



#### CÔNG TY CỔ PHẦN DAIKIN AIR CONDITIONING (VIETNAM)

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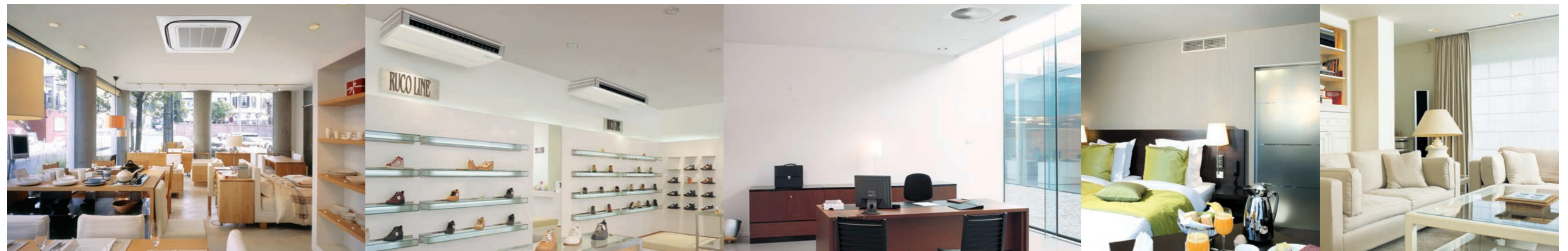
# New wide lineup of SkyAir series.

## Product Lineup



Series	09	13	18	21	24	26	30	36	42	48										
Btu/h	9,200	13,000	18,000/17,700*1	21,000	24,200	26,000	30,000	36,000/34,500*2/35,000*3	42,600/42,000*3,4	48,000										
kW	2.7	3.8	5.3/5.2*1	6.2	7.1	7.6	8.8	10.6/10.1*2/10.4*3	12.5/12.3*3,4	14.1										
Pair	<b>CEILING MOUNTED CASSETTE TYPE</b> (Round Flow)																			
	Indoor unit	FCNQ13MV1		FCNQ18MV1		FCNQ21MV1		FCNQ26MV1		FCNQ30MV1		FCNQ36MV1		FCNQ42MV1		FCNQ48MV1				
	Outdoor unit	RNQ13MV1		RNQ18MV1		RNQ21MV1		RNQ26MV1 RNQ26MY1		RNQ30MV1 RNQ30MY1		RNQ36MV1 RNQ36MY1		RNQ42MY1		RNQ48MY1				
	<b>CEILING SUSPENDED TYPE</b>																			
Indoor unit	FHNQ13MV1V		FHNQ18MV1V		FHNQ21MV1V		FHNQ24MV1V		FHNQ26MV1V		FHNQ30MV1V		FHNQ36MV1V		FHNQ42MV1V		FHNQ48MV1V			
Outdoor unit	RNQ13MV1V		RNQ18MV1V		RNQ21MV1V		RNQ24MV1V		RNQ26MY1V		RNQ30MV1V		RNQ36MY1V		RNQ42MY1V		RNQ48MY1V			
Pair	<b>DUCT CONNECTION</b> LOW STATIC PRESSURE TYPE																			
	Indoor unit	FDBNQ09MV1V		FDBNQ13MV1V		FDBNQ18MV1V		FDBNQ21MV1V		FDBNQ24MV1V		FDBNQ26MV1V								
Outdoor unit	RNQ09V1V		RNQ13MV1V		RNQ18MV1V		RNQ21MV1V		RNQ24MV1V		RNQ26MY1V									
Pair	MIDDLE STATIC PRESSURE TYPE																			
	Indoor unit	FDMNQ26MV1		FDMNQ30MV1		FDMNQ36MV1		FDMNQ42MV1		FDMNQ48MV1										
Outdoor unit	RNQ26MV1 RNQ26MY1		RNQ30MV1 RNQ30MY1		RNQ36MV1 RNQ36MY1		RNQ42MY1		RNQ48MY1											
<b>OUTDOOR UNIT</b>		NEW		NEW		NEW		NEW		NEW		NEW		NEW		NEW		NEW		
Outdoor unit	RNQ09MV1V		RNQ13MV1V		RNQ18MV1V		RNQ21MV1V		RNQ24MV1V		RNQ26MV1V RNQ26MY1V		RNQ30MV1V RNQ30MY1V		RNQ36MV1V RNQ36MY1V		RNQ42MY1V		RNQ48MY1V	

Note : \*1Applicable to FDBNQ series. \*2Applicable to FHNQ-MV1V \*3Applicable to FHNQ-MV1 series. \*4Applicable to FDMNQ series.



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



FCNQ  
13/18/21/26/30/36/42/48MV1

**ROUND FLOW**

Sound pressure level  
**43/32** dB(A)  
High Low  
FCNQ36M (220V)

Option  
Accessory required for indoor unit.

**Wired LCD remote controller**

**BRC1C61**

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

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

**BRC1E62**

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

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

**BRC7F633F**

Signal receiver unit (Installed type)

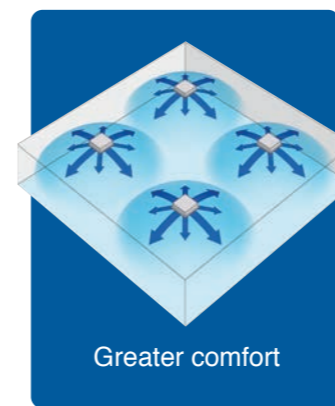
Wireless remote controller is supplied in a set with a signal receiver.

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

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

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

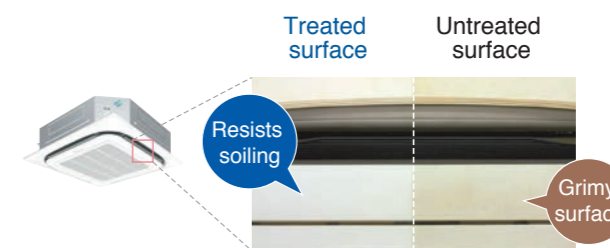
All-round flow	3-way flow	L-shaped 2-way flow	Opposite 2-way flow
(E.g., installed in middle of ceiling) 4-way flow also possible.	(E.g., installed near a wall)	(E.g., installed in a corner)	(E.g., installed in a long room)

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

Grime prevention and antibacterial coating: Make cleaning easier

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

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



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

- Non-flocking flaps

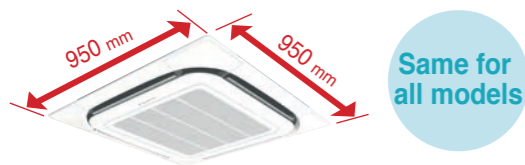
Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.

- Filter has anti-mould and antibacterial treatment

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

## Fine square panels

- Panel size is same for all models, FCNQ13-48M. It is easy to maintain a neat appearance when multiple units are installed.



## Compact body and quiet operation

Indoor unit	Sound pressure level <sup>dB(A)</sup>	
	High	Low
13/18M	31	28
21/26M	35	28
30/36M	43	32
42M	44	34
48M	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.

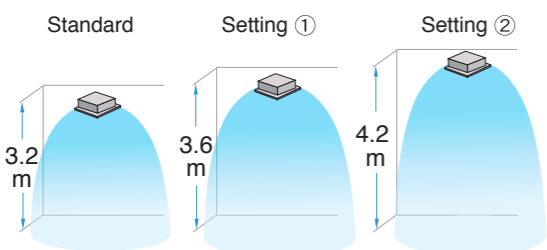
## Optimal comfort and convenience assured by 2 air discharge modes

Air direction	Standard setting <sup>1</sup>	Setting to prevent soiling of ceiling <sup>2</sup> (field setting)
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.	

Note:  
<sup>1</sup>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.  
<sup>2</sup>Closing of the corner discharge outlets is recommended.

## Suitable for high ceilings

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



When all round flow is selected, ceilings up to 4.2 m in height can be accommodated. (30M-48M)

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

Ceiling height	Standard	Number of air discharge outlets used							
		13-26M				30-48M			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m	
High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m	
High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—	

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

## Two selectable temperature-sensors

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

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

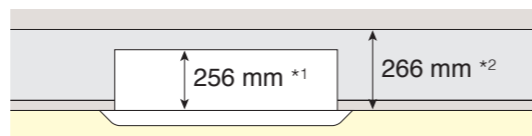
## Switchable fan speed: High/Low

## On/Off timer

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

## Quick and easy to install

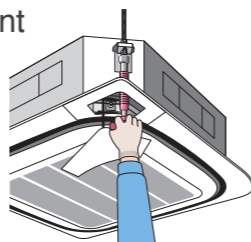
- Just 256 mm high. Installable in tight ceiling spaces (13-26M)



\*1 298 mm high with 30-48M  
 \*2 308 mm high with 30-48M

## Easy height adjustment

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

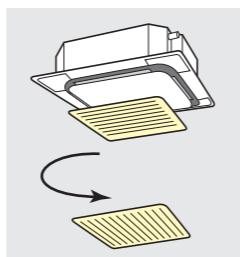


Note:  
 If the wireless remote controller is installed, a signal receiver unit is housed in one of the adjuster pockets.

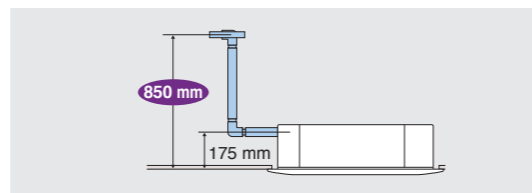
- All models can be installed without using lifter because of the light weight.

## Installable in any direction

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



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



## Transparent drain socket

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

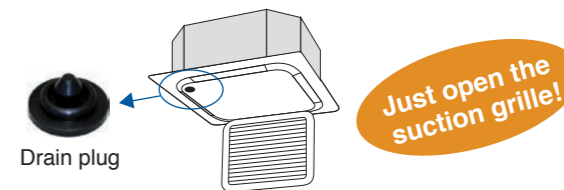


## DIII-NET communication standard

Connection to a centralised control system is available without option.

## Easier to maintain

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

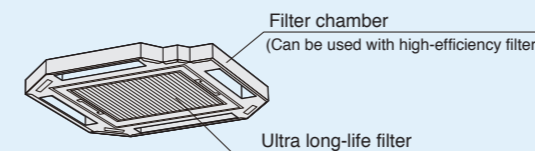


- With Ultra long-life filters (option), maintenance is not required in normal shops or offices for up to four years.

### Options required for specific operating environments

#### Ultra long-life filter unit

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



#### Dusty area: annual filter change

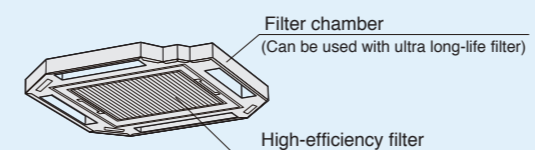
\*For dust concentration of 0.3 mg/m<sup>3</sup> (Requires separately sold Air purifier.)  
 1 year (Approx. 5,000 hr) ≈ 15 hr/day x 28 day/month x 12 month/year

#### Ordinary store or office: filter change every 4 years

\*For dust concentration of 0.15 mg/m<sup>3</sup>  
 4 years (Approx. 10,000 hr) ≈ 8 hr/day x 25 day/month x 12 month/year x 4 years

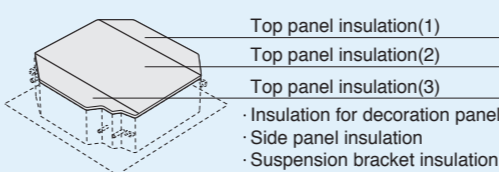
#### High-efficiency filter unit

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



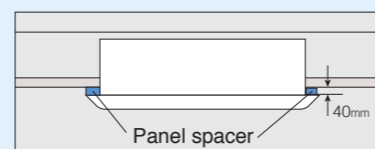
#### Insulation kit for high humidity

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

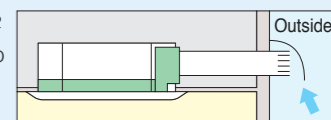
Sealing material block air discharge openings not used in 2-way or 3-way blow.

#### 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).

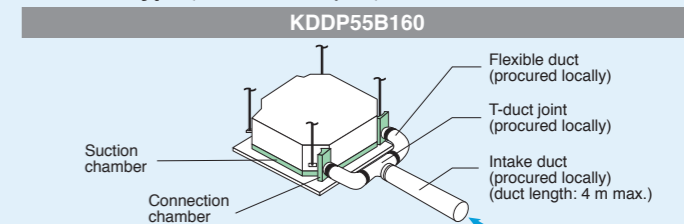
#### Fresh air intake kit <sup>Note 1.2</sup>

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

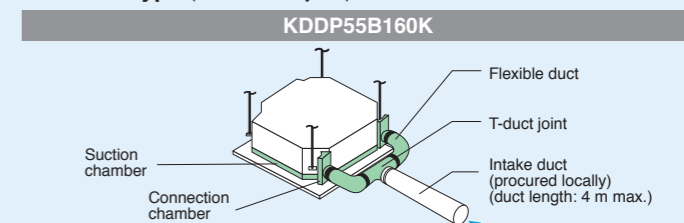


The units can be installed in the following different ways.

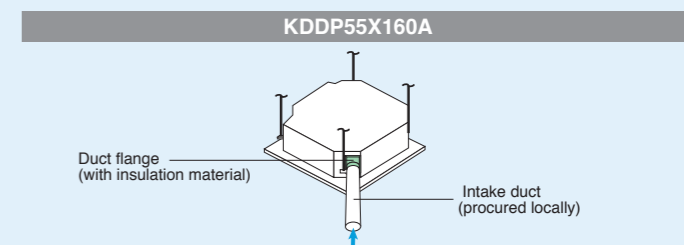
#### Chamber type (without T-duct joint) <sup>Note 3.4</sup>



#### Chamber type (with T-duct joint) <sup>Note 3.4</sup>



#### 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.

# Upgrade to a quiet and compact system.



**FHNQ**  
**NEW** 13/18/21/24/30/36MV1V  
 26/30/36/42/48MV1

Sound pressure level  
**44/40** dB(A)  
 High Low  
 FHNQ21M (220V)

Option

Accessory required for indoor unit.

**Wired LCD remote controller**

**BRC1NU61**

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

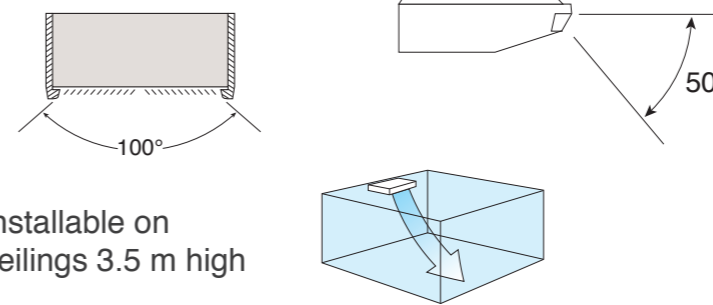
**Wireless LCD remote controller**  
 A signal receiver must be added to the indoor unit.

**BRC7NU66**

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

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

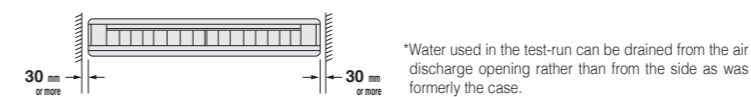
## Installation flexibility for freedom of design

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

Indoor unit	13M	18/21M	24/26/30M	36/42/48M
Height	195			
Width	960	1,160	1,400	1,590
Depth	680			

(mm)

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



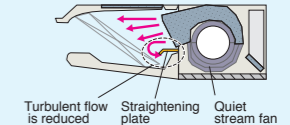
- All wiring and internal servicing can be done from under the unit
- Pipes more easily rigged  
 Plastic panels are used to conceal piping holes. Holes can be easily punched out without requiring special tools.

## Quiet operation

(220V) dB(A)

Indoor unit	Sound pressure level	
	High	Low
13M	43	39
18/21M	44	40
24/26/30M	45	40
36/42M	48	42
48M	49	43

Uses quiet stream fan and other quiet technologies.



## Easy maintenance

- Long-life filter (standard) requires no maintenance for about 1 year\*

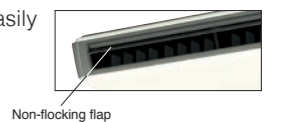
The filter is washable and reused after 1 year.

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

Two time settings (2500 hrs and 1250 hrs) are available to match the installation environment. Maintenance time warning is displayed on the wired remote controller (filter sign).

- Non-flocking flap

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



- Easy-clean, flat surfaces

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 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.

# Ideal for quiet, beautiful living spaces



Suitable for condominiums and apartments, houses and hotels

**FDBNQ**  
**NEW** 09/13/18/21/24MV1V  
 26MV1

Sound pressure level  
**43/40** dB(A)  
 High Low  
 FDBNQ26M  
 (220V)

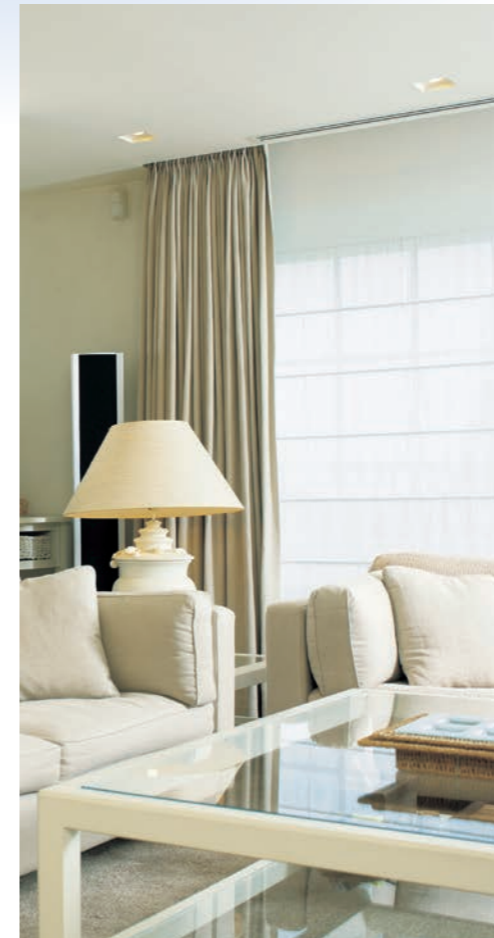
Option Accessory required for indoor unit

**Wired LCD remote controller**  
**BRC1C61**  
 Note: Remote controller cable is not included and must be procured locally.

**Navigation Remote Controller (Wired Remote Controller)**  
**BRC1E62**  
 Note: Remote controller cable is not included and must be procured locally.

**Wireless LCD remote controller**  
 A signal receiver must be added to the indoor unit.  
**BRC4C64**  
 Signal receiver unit (Separate type)  
 Wireless remote controller is supplied in a set with a signal receiver.

# Unit can be mounted in the ceiling and air can be delivered freely by duct



**FDMNQ**  
 26/30/36/42/48MV1

Sound pressure level  
**45/37** dB(A)  
 High Low  
 FDMNQ36M  
 (220V)

Option Accessory required for indoor unit

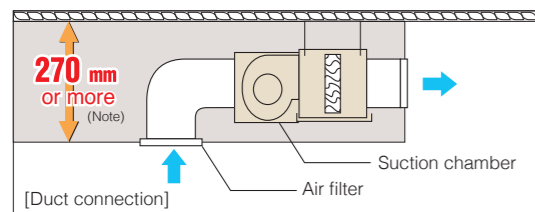
**Wired LCD remote controller**  
**BRC1C61**  
 Note: Remote controller cable is not included and must be procured locally.

**Navigation Remote Controller (Wired Remote Controller)**  
**BRC1E62**  
 Note: Remote controller cable is not included and must be procured locally.

**Wireless LCD remote controller**  
 A signal receiver must be added to the indoor unit.  
**BRC4C64**  
 Signal receiver unit (Separate type)  
 Wireless remote controller is supplied in a set with a signal receiver.

## Compact

- Small, lightweight, and easy-to-install indoor unit.



Note: 270 mm is the minimum size. Extra height is necessary for drain piping slope and insulation.

\* To prevent increased operation sound, avoid installing the air suction grille directly below the suction chamber.

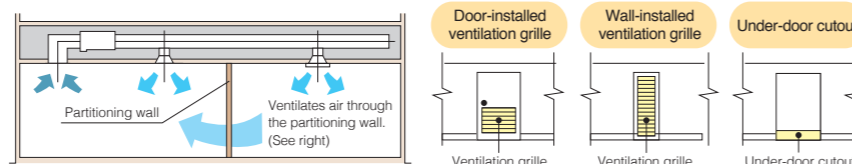
## Quiet operation

(220V) dB(A)

Indoor unit	Sound pressure level	
	High	Low
09/13/18M	41	38
21/26M	43	40
24M	46	39

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

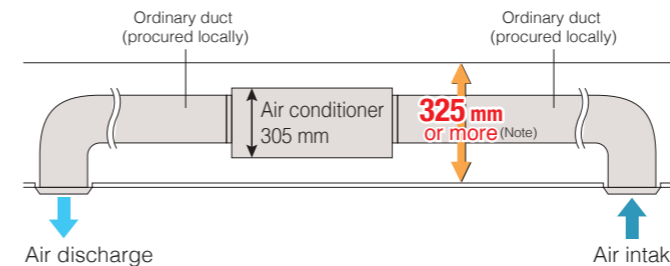
When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the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



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

## Freedom of layout

- The duct system allows the efficient location of discharge outlets in accordance with the room layout
- Duct connection is simpler with standard rear suction chambers



Note: 325 mm is the minimum size. Extra height is necessary for drain piping slope and insulation.

## Quiet operation

(220V) dB(A)

Indoor unit	Sound pressure level	
	High	Low
26M	42	38
30M	44	36
36M	45	37
42/48M	46	37

- Switchable fan speed: High/Low
- Drain pipe connection can be done inside the unit. Refrigerant and drain pipe outlets are at the same opening.

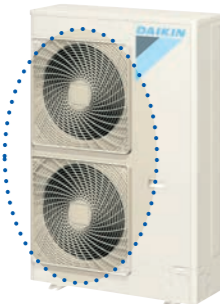


NEW RNQ09MV1V  
NEW RNQ13MV1V  
NEW RNQ18MV1V  
NEW RNQ21MV1V  
NEW RNQ24MV1V  
RNQ26MV1  
RNQ26MY1  
NEW RNQ30MV1V  
RNQ30MV1  
RNQ30MY1  
NEW RNQ36MV1V  
RNQ36MV1  
RNQ36MY1  
RNQ42MY1  
RNQ48MY1

### Quiet Operation

- Fitted with Super Aero Grille (Applies to RNQ30-48M)

To suppress turbulence and achieve quiet operation, the curved ribs of the grille are optimised to meet the outflow of air.



- Equipped with scroll compressor for quiet operation (Applies to RNQ42-48M)

Smooth running, minimal vibration, low operating sound.



- Operation sound

(In case of RNQ09-21M:220-240 V, RNQ24-30M:220 V/380 V, 240 V/415 V, RNQ36-48M:380 V, 415 V) dB(A)

Outdoor unit	Sound level
RNQ09MV1V	48
RNQ13MV1V/RNQ13MV1	49
RNQ18MV1V/RNQ18MV1	51
RNQ21MV1V/RNQ21MV1	52
RNQ24MV1V	54
RNQ26MV1/RNQ26MY1	54
RNQ30MV1V/RNQ30MV1/RNQ30MY1	55
RNQ36MV1V	57
RNQ36MV1/RNQ36MY1	54
RNQ42MY1	56
RNQ48MY1	58

### Installation and maintenance

- Pre charged for up to 15 m (Applies to RNQ30-48M)

If refrigerant piping length does not exceed 10m (RNQ09-26M), 15m (RNQ30-48M), there is no need for on-site gas charging.

#### Allowed refrigerant piping length and level difference

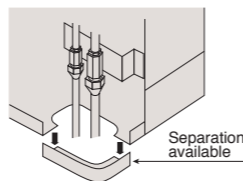
	RNQ09/13M	RNQ18/21/24M	RNQ26M	RNQ30-48M
Pre charged <sup>1</sup>	10 m			15 m
Max. length	30 m	30 m (Equivalent length 50m)		50 m (Equivalent length 70m)
Max. level difference	10 m	15 m	20 m	30 m

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 (Applies to RNQ30-48M)

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 (Applies to RNQ30-48M)



### Durability

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

- Heat exchange fins are provided with anti-corrosion treatment (Applies to RNQ09-26, 36-48M)

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.

#### Construction

Non-treated fin	Aluminium
Anti corrosion treated fin	Hydrophilic treatment
	Aluminium
	Corrosion resistant resin

Whatever your space, give it the comfort it deserves

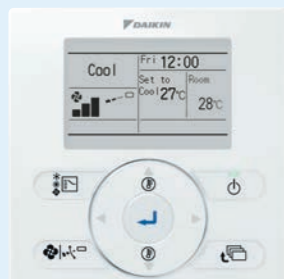


# Easy-to-read LCD remote controller allows various system control configurations and can control multiple indoor units.

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

## Navigation Remote Controller (Wired LCD Remote Controller)

**NEW**



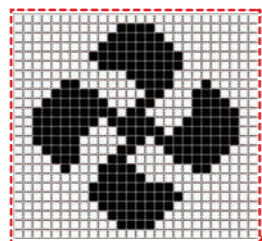
BRC1E62

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

### Clear Display

#### Dot matrix display

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



#### Backlight display

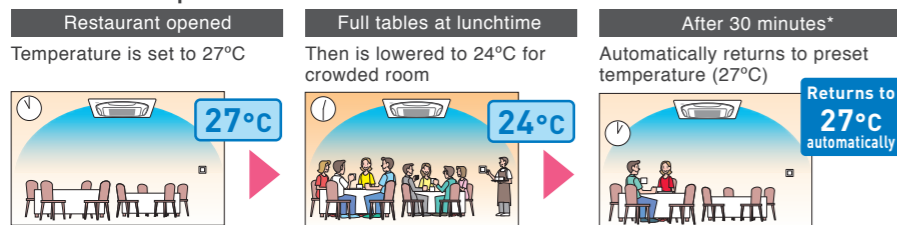


### Energy saving

#### **NEW** Setpoint auto reset

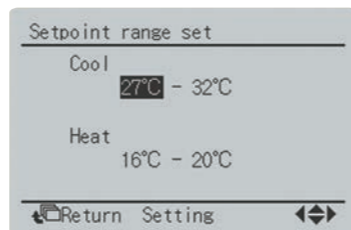
- Even if the set temperature is changed, it returns to the preset temperature after a preset period of time.
- Period selectable from 30min/60min/90min/120min.

#### Restaurant sample



#### **NEW** Setpoint range set

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



#### Off timer (programmed)

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

### Convenience

#### Weekly schedule

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

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

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

#### Multilingual display

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

### Wired LCD remote controller

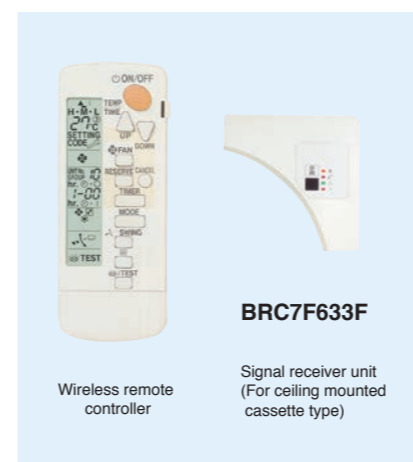
Easy to read because of large LCD screen.



BRC1C61

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

### Wireless LCD remote controller



Wireless remote controller

BRC7F633F

Signal receiver unit (For ceiling mounted cassette type)

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

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

### Wireless remote controller for each indoor unit type

CEILING MOUNTED CASSETTE TYPE	BRC7F633F
CEILING SUSPENDED TYPE	BRC7NU66
DUCT CONNECTION LOW STATIC PRESSURE TYPE	BRC4C64
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE	BRC4C64

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

<b>Airflow / swing display</b>	Displays auto-swing operating status and setting position of air discharge angle.
<b>Preset temperature / operation mode display</b>	Displays preset room temperature and operating status (fan, dry, cool). Operation start and stop time can be set for individual timers up to 72 hours. The LCD also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.
<b>Programming time display</b>	
<b>Self-diagnosis function</b>	Monitors operating status within the system covering 40 items, and displays a message to indicate as soon as a malfunction occurs.

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

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

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

### Facilitates maintenance and repair

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

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

- Remote controller is equipped with model name and failure display functions. This facilitates service in the unlikely event of a malfunction. (Model name display function applies to BRC1E62 only.)

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

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



System variation to control multiple indoor units

	Control pattern	Applicable model	Wired remote controller	Wireless remote controller
Control by 1 remote controller	(Basic system)	FCNQ	 ● Non-polar, double-core (max. wiring length 500 m)	 ● 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.	FDBNQ FDMNQ	 ● Connects 2 wired remote controllers (See note 1)	 ● Control by 1 wireless remote controller and 1 wired remote controller (See note 2, 3) ● Signal receiver unit installed on indoor unit
Group control	For simultaneous control of up to 16 indoor units.	FDMNQ	 ● Automatic address setting function	 ● Automatic address setting function ● Signal receiver unit installed on 1 indoor unit
Control by external command	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
Centralised remote control	Centralised control of up to 64 indoor groups from remote location up to 1 km away.	FCNQ only	 Central remote controller (option)	 Central remote controller (option)
Interlock control with Heat Reclaim Ventilator	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.

FCNQ series only



Central remote controller

DCS302CA61 (Option)



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

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 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

		CEILING MOUNTED CASSETTE TYPE (Round Flow)	CEILING SUSPENDED TYPE	DUCT CONNECTION LOW STATIC PRESSURE TYPE	DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE
	Indoor unit	FCNQ13-48MV1	FHNQ13-48MV1(V)	FDBNQ09-26MV1(V)	FDMNQ26-48MV1
	Outdoor unit	RNQ13-36MV1 RNQ26-48MY1	RNQ13-36MV1(V) RNQ26-48MY1	RNQ09-24MV1V RNQ26MY1	RNQ26-36MV1 RNQ26-48MY1
Comfort	Auto swing	●	●		
	Swing pattern selection	●			
	DC fan motor (Indoor unit)	●			
	Switchable fan speed	● 2step	● 2step	● 2step	● 2step
	Programme "Dry"	●	●	●	●
Remote Controller	High ceiling application	●	● *6		
	Two selectable temperature-sensors *1	●		●	●
	Setpoint auto reset *2	●		●	●
	Setpoint range set *2	●		●	●
	Weekly schedule timer *2	●		●	●
Cleanliness	Off timer (programmed) *2	●		●	●
	On/Off timer	● *7	●	● *7	● *7
	Anti-bacterial air filter	●	●		
Work & servicing	Drain pump mechanism	●			
	Pre-charged for up to 15 m *3	●	●		●
	Pre-charged for up to 10 m *4	●	●	●	●
	Long-life filter	●	●		
	Filter sign	●			
Control features	Ceiling soiling prevention	●			
	Auto-restart	●	●	●	●
	Control by 2 remote controllers	●		●	●
	Group control by 1 remote controller	●		●	●
	External command control	● *8			
	Central remote control	●			
	Interlock control with Heat Reclaim Ventilator	●			
Options	DIII-NET communication standard	●			
	High-efficiency filter	●			
	Ultra long-life filter	●			
Others	Fresh air intake kit	●			
	Anti corrosion treated heat exchangers *5	●	●	●	●

Note: \*1 : Applicable when wired remote controller is used  
 \*2 : Applicable when BRC1E62 is used  
 \*3 : Applicable to RNQ30-48M  
 \*4 : Applicable to RNQ09-26M  
 \*5 : Applicable to RNQ09-26, 36-48M outdoor unit  
 \*6 : Installable on max. 3.5 m high ceiling  
 \*7 : Applicable when BRC1C61 is used  
 \*8 : Option

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

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

## Comfort

### Auto-swing

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

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

### Swing pattern selection

(standard, ceiling soiling prevention)

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

(1) Standard setting

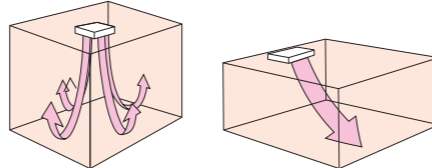


(2) Ceiling soiling prevention setting



### High-ceiling application

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



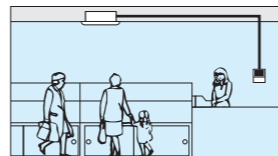
Note: When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

### 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.



### DC fan motor (indoor unit)

DC fan motor improves efficiency.

### Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

### Programme "Dry"

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

## Remote Controller

### Setpoint auto reset

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

### Setpoint range set

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

### Weekly schedule timer

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

### Off timer (programmed)

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

### On/Off timer

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

## Cleanliness

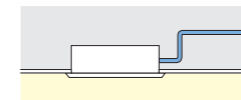
### Anti-bacterial air filter

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

## 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 15 m

If refrigerant piping length does not exceed 15 m, there is no need for on-site gas charging.

\*Applicable to RNQ30-48M.  
RNQ09-26M : 10 m

### Long-life filter

Maintenance is not required for one year. The filter is washable and can be reused.

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

### Filter sign

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

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

### Ceiling soiling prevention function

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

## Control features

### Auto-restart

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

### Control by 2 remote controllers

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

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

### Group control by 1 remote controller

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

### External command control

Operation and 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

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

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

### Ultra long-life filter

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

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

### Fresh-air intake kit

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

## 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.



CEILING MOUNTED CASSETTE TYPE

Model Name	Indoor unit		13	18	21	26	30	36	42	48
	Outdoor unit		FCNQ13MV1	FCNQ18MV1	FCNQ21MV1	FCNQ26MV1	FCNQ30MV1	FCNQ36MV1	FCNQ42MV1	FCNQ48MV1
Power supply	Outdoor unit	V1	RNQ13MV1	RNQ18MV1	RNQ21MV1	RNQ26MV1	RNQ30MV1	RNQ36MV1	RNQ42MV1	RNQ48MV1
		Y1	---	---	---	RNQ26MY1	RNQ30MY1	RNQ36MY1	RNQ42MY1	RNQ48MY1
Cooling capacity <sup>1,2</sup> Rated (Min.- Max)	Cooling <sup>1</sup>	kW	3.8	5.3	6.2	7.6	8.8	10.6	12.5	14.1
		Btu/h	13,000	18,000	21,000	26,000	30,000	36,000	42,600	48,000
Power consumption	Cooling <sup>1</sup>	kW	1.24	1.89	2.21	2.53	2.73	3.31	4.15	5.04
COP		W/W	3.07	2.80	3.00	3.00	3.22	3.20	3.01	2.80
CSPF		Wh/Wh	3.26	2.97	3.19	3.42	3.39	3.20	3.20	2.97
Indoor unit	Colour	Unit	Fresh white							
	Airflow rate (H/L)	m <sup>3</sup> /min	13/10	21/13.5	32/20	33/22.5				
		cfm	459/353	741/477	1,130/706	1,165/794				
	Sound pressure level (H/L) <sup>3</sup>	dB(A)	31/28	35/28	43/32	44/34	44/36			
	Dimensions (H×W×D)	Unit	256×840×840		298×840×840					
		mm	50×950×950							
	Machine weight	Unit	19.5	21	24					
		kg	5.5							
	Certified Operation range	Unit	14 to 23		14 to 25					
		°CWB	14 to 23		14 to 25					
Outdoor unit	Colour	Unit	Ivory white							
	Compressor	Type	Hermetically sealed rotary type				Hermetically sealed scroll type			
		Motor output	kW	0.9	1.4	1.8	2.2	2.7	3.75	4.5
	Refrigerant charge (R-410A)	kg	1.2	1.4	1.5	2.0	1.9	3.2	2.7	3.2
		(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 15 m)	(Charged for 15 m)	(Charged for 15 m)	(Charged for 15 m)
	Sound pressure level <sup>3</sup>	dB(A)	49	51	52	54	55	54	56	58
	Dimensions (H×W×D)	mm	550×765×285	595×845×300	735×825×300	990×940×320	1,345×900×320			
		V1	36	40	49	56	77	103	---	---
	Machine weight	Y1	---	---	---	56	74	103	107	111
		kg	19.4 to 46		21 to 46					
Piping connections	Liquid (Flare)	mm	φ6.4		φ9.5					
	Gas (Flare)	mm	φ12.7		φ15.9					
	Drain	Indoor unit	VP25 (I.D.φ25×O.D.φ32)							
		Outdoor unit	φ18.0 (Hole)		φ26.0 (Hole)					
Max. interunit piping length	m	30		30 (Equivalent length 50)		50 (Equivalent length 70)				
Max. installation level difference	m	10	15	20	30					
Heat insulation		Both liquid and gas piping								

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.  
<sup>3</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.



CEILING SUSPENDED TYPE

Model Name	Indoor unit		13	18	21	24	26		
	Outdoor unit		FHNQ13MV1V	FHNQ18MV1V	FHNQ21MV1V	FHNQ24MV1V	FHNQ26MV1V		
Power supply	Outdoor unit	V1	RNQ13MV1V	RNQ18MV1V	RNQ21MV1V	RNQ24MV1V	RNQ26MY1		
		Y1	---	---	---	---	---		
Cooling capacity <sup>1,2</sup> Rated (Min.- Max)	Cooling <sup>1</sup>	kW	3.8	5.3	6.2	7.1	7.6		
		Btu/h	13,000	18,000	21,000	24,200	26,000		
Power consumption	Cooling <sup>1</sup>	kW	1.04	1.62	2.10	2.37	2.65		
COP		W/W	3.65	3.27	2.95	3.00	2.87		
CSPF		Wh/Wh	3.88	3.47	3.13	3.19	3.05		
Indoor unit	Colour	Unit	White						
	Airflow rate (H/L)	m <sup>3</sup> /min	16/13	22-23/19-20	26/22	26-27/22-23			
		cfm	565/-	777-812/671-706	918/777	918-953/777-812			
	Sound pressure level (H/L) (220 V) <sup>3</sup>	dB(A)	43/39	44/40	45/40				
	Dimensions (H×W×D)	mm	195×960×680	195×1,160×680	195×1,400×680				
		kg	24	26	32				
	Certified operation range	Unit	14 to 23		14 to 25				
		°CWB	14 to 23		14 to 25				
	Outdoor unit	Colour	Unit	Ivory white					
		Compressor	Type	Hermetically sealed rotary type					
Motor output			kW	0.9	1.4	1.8	1.9	2.2	
Refrigerant charge (R-410A)		kg	1.2	1.4	1.5	1.9	2.0		
		(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)		
Sound pressure level <sup>3</sup>		dB(A)	49	51	52	54	54		
Dimensions (H×W×D)		mm	550×765×285	595×845×300	735×825×300	990×940×320	1,345×900×320		
		V1	36	40	49	56	77		
Machine weight		Y1	---	---	---	56	74		
		kg	19.4 to 46		21 to 46				
Piping connections	Liquid (Flare)	mm	φ6.4		φ9.5				
	Gas (Flare)	mm	φ12.7		φ15.9				
	Drain	Indoor unit	VP20 (I.D.φ20×O.D.φ26)						
		Outdoor unit	φ18.0 (Hole)		φ26.0 (Hole)				
Max. interunit piping length	m	30		30 (Equivalent length 50)					
Max. installation level difference	m	10	15	20	30				
Heat insulation		Both liquid and gas piping							

CEILING SUSPENDED TYPE

Model Name	Indoor unit		30	36	42	48	
	Outdoor unit		FHNQ30MV1V	FHNQ36MV1V	FHNQ42MV1V	FHNQ48MV1V	
Power supply	Outdoor unit	V1	RNQ30MV1V	RNQ36MV1V	RNQ42MY1	RNQ48MY1	
		Y1	---	---	---	---	
Cooling capacity <sup>1,2</sup> Rated (Min.- Max)	Cooling <sup>1</sup>	kW	8.8	10.1	10.4	14.1	
		Btu/h	30,000	34,500	35,000	48,000	
Power consumption	Cooling <sup>1</sup>	kW	3.07	3.07	3.43	5.51	
COP		W/W	2.87	2.94	2.86	2.56	
CSPF		Wh/Wh	3.05	3.12	3.04	2.72	
Indoor unit	Colour	Unit	White				
	Airflow rate (H/L)	m <sup>3</sup> /min	26-27/22-23	38-40/23-25	42-44/24-26		
		cfm	918-953/777-812	1,341-1,412/812-883	1,483-1,553/847-918		
	Sound pressure level (H/L) (220 V) <sup>3</sup>	dB(A)	45/40	48/42	49/43		
	Dimensions (H×W×D)	mm	195×1,400×680	195×1,590×680	35		
		kg	32	35	103	107	
	Certified operation range	Unit	14 to 25		14 to 25		
		°CWB	14 to 25		14 to 25		
	Outdoor unit	Colour	Unit	Ivory white			
		Compressor	Type	Hermetically sealed rotary type		Hermetically sealed scroll type	
Motor output			kW	2.2	2.7	3.75	4.5
Refrigerant charge (R-410A)		kg	1.9	3.4	3.2	2.7	
		(Charged for 15 m)	(Charged for 15 m)	(Charged for 15 m)	(Charged for 15 m)	(Charged for 15 m)	
Sound pressure level <sup>3</sup>		dB(A)	55	57	54	58	
Dimensions (H×W×D)		mm	990×940×320	1,430×940×320	1,345×900×320		
		V1	77	---	---	---	
Machine weight		Y1	---	74	---	---	
		kg	21 to 46		21 to 46		
Piping connections	Liquid (Flare)	mm	φ9.5		φ15.9		
	Gas (Flare)	mm	φ12.7		φ15.9		
	Drain	Indoor unit	VP20 (I.D.φ20×O.D.φ26)				
		Outdoor unit	φ26.0 (Hole)		φ26.0 (Hole)		
Max. interunit piping length	m	50 (Equivalent length 70)		50 (Equivalent length 70)			
Max. installation level difference	m	30		30			
Heat insulation		Both liquid and gas piping					

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.  
<sup>3</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

DUCT CONNECTION LOW STATIC PRESSURE TYPE

Model Name	Indoor unit		09	13	18	21	24	26	
	Outdoor unit	V1	FDBNQ09MV1V	FDBNQ13MV1V	FDBNQ18MV1V	FDBNQ21MV1V	FDBNQ24MV1V	FDBNQ26MV1	
Power supply	Outdoor unit	V1	1 Phase, 220-240 V, 50 Hz						
		Y1	3 Phase, 380-415 V, 50 Hz						
Cooling capacity <sup>1,2</sup> Rated (Min.- Max)	Cooling <sup>1</sup>	kW	2.7	3.8	5.2	6.2	7.1	7.6	
		Btu/h	9,200	13,000	17,700	21,000	24,200	26,000	
Power consumption	Cooling <sup>1</sup>	kW	0.72	1.09	1.68	2.04	2.40	2.62	
COP		W/W	3.75	3.49	3.10	3.04	2.96	2.90	
CSPF		Wh/Wh	3.98	3.71	3.29	3.23	3.14	3.08	
Indoor unit	Colour		Ivory white						
	Fan	Airflow rate (H/L) <sup>3</sup>	m <sup>3</sup> /min	13/11			18/15	35/24	18/15
			cfm	459/388			635/530	1236/847	635/530
	Rated external static pressure <sup>3</sup>		mmH <sub>2</sub> O	2.0					
	Sound pressure level (H/L) (220 V) <sup>4</sup>		dB(A)	41/38			43/40	46/39	43/40
	Dimensions (H×W×D)		mm	260×900×580			260×1,300×580	305×1,550×680	260×1,300×580
	Machine weight		kg	25			32	51	32
	Certified Operation range		°CWB	14 to 23			14 to 23	14 to 25	14 to 25
	Outdoor unit	Colour		Ivory white					
		Compressor	Type	Hermetically sealed rotary type					
Motor output			kW	0.65	0.9	1.4	1.8	1.9	2.2
Refrigerant charge (R-410A)		kg	0.9	1.2	1.4	1.5	1.9	2.0	
		(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	(Charged for 10 m)	
Sound pressure level <sup>4</sup>		dB(A)	48	49	51	52	54		
Dimensions (H×W×D)		mm	550×765×285			595×845×300	735×825×300		
Machine weight		V1	kg	35	36	40	49	57	
		Y1	kg	—			—	56	
Certified Operation range		°CDB	19.4 to 46			19.4 to 46	21 to 46		
Piping connections	Liquid (Flare)		mm		ø6.4				
	Gas (Flare)		mm		ø9.5				
	Drain	Indoor unit	3/4B (I.D.ø21.6×O.D.ø27.2)						
		Outdoor unit	ø18.0 (Hole)						
Max. interunit piping length		m	30			30 (Equivalent length 50 m)			
Max. installation level difference		m	10			15			
Heat insulation			Both liquid and gas piping						

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

Model Name	Indoor unit		26	30	36	42	48	
	Outdoor unit	V1	FDMNQ26MV1	FDMNQ30MV1	FDMNQ36MV1	FDMNQ42MV1	FDMNQ48MV1	
Power supply	Outdoor unit	V1	1 Phase, 220-240 V, 50 Hz				—	
		Y1	3 Phase, 380-415 V, 50 Hz				—	
Cooling capacity <sup>1,2</sup> Rated (Min.- Max)	Cooling <sup>1</sup>	kW	7.6	8.8	10.6	12.3	14.1	
		Btu/h	26,000	30,000	36,000	42,000	48,000	
Power consumption	Cooling <sup>1</sup>	kW	2.62	3.03	3.53	4.49	5.56	
COP		W/W	2.90	2.90	3.00	2.74	2.54	
CSPF		Wh/Wh	3.08	3.08	3.19	2.91	2.70	
Indoor unit	Colour		Ivory white					
	Fan	Airflow rate (H) <sup>3</sup>	m <sup>3</sup> /min	23			37	42
			cfm	812			1,306	1,483
	Rated external static pressure <sup>3</sup>		mmH <sub>2</sub> O	8.5			9.8	8.0
	Sound pressure level (H/L) (220 V) <sup>4</sup>		dB(A)	42/38			44/36	45/37
	Dimensions (H×W×D)		mm	305×1,350×680			305×1,550×680	46/37
	Machine weight		kg	43			52	—
	Certified Operation range		°CWB	14 to 25				
	Outdoor unit	Colour		Ivory white				
		Compressor	Type	Hermetically sealed rotary type			Hermetically sealed scroll type	
Motor output			kW	2.2			3.75	4.5
Refrigerant charge (R-410A)		kg	2.0	1.9	3.2	2.7	3.2	
		(Charged for 10 m)	(Charged for 10 m)	(Charged for 15 m)	(Charged for 15 m)	(Charged for 15 m)	(Charged for 15 m)	
Sound pressure level <sup>4</sup>		dB(A)	54	55	54	56		
Dimensions (H×W×D)		mm	735×825×300			990×940×320	1,345×900×320	
Machine weight		V1	kg	56	77	103	—	—
		Y1	kg	56	74	103	107	111
Certified Operation range		°CDB	21 to 46					
Piping connections	Liquid (Flare)		mm		ø9.5			
	Gas (Flare)		mm		ø15.9			
	Drain	Indoor unit	3/4B (I.D.ø21.6×O.D.ø27.2)					
		Outdoor unit	ø18.0 (Hole)		ø26.0 (Hole)			
Max. interunit piping length		m	30 (Equivalent length 50 m)			50 (Equivalent length 70 m)		
Max. installation level difference		m	20			30		
Heat insulation			Both liquid and gas piping					

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.  
<sup>3</sup>Please see fan characteristic document in detail.  
<sup>4</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option	Remark	Kit name						
		FCNQ13MV1	FCNQ18MV1	FCNQ21MV1	FCNQ26MV1	FCNQ30MV1	FCNQ36MV1	FCNQ42MV1
Decoration panel		BYCP125K-W1						
Sealing material of air discharge outlet		KDBH55K160F						
Panel spacer		KDBP55H160FA						
Fresh air intake kit <sup>1</sup>	Chamber type	KDDP55B160 (Components:KDDP55C160-1, KDDP55B160-2) <sup>2</sup>						
	Without T-duct joint	KDDP55B160K (Components:KDDP55C160-1, KDDP55B160K2) <sup>2</sup>						
High-efficiency filter unit (including filter chamber)	With T-duct joint	KDDP55X160A						
	Direct installation type	KDDP55X160A						
Replacement high-efficiency filter	(Colorimetric method 65%)	KAFP556C80			KAFP556C160			
	(Colorimetric method 90%)	KAFP557C80			KAFP557C160			
Filter chamber	(Colorimetric method 65%)	KAFP552B80			KAFP552B160			
	(Colorimetric method 90%)	KAFP553B80			KAFP553B160			
Ultra long-life filter unit (including filter chamber)		KDDFP55C160						
Replacement long-life filter		KAFP551K160						
Replacement ultra long-life filter		KAFP55C160						
Branch duct chamber		KJDP55B80			KJDP55B160			
Chamber connection kit <sup>3</sup>		KKSJ55KA160						
Insulation kit for high humidity		KDTP55K80			KDTP55K160			
Remote controller	Wireless type	BRC7F633F					BRC1C61	
	Cooling only	BRC1E62					BRC1E62	
Navigation Remote Controller	Wired type <sup>4</sup>	DCS302CA61						
Central remote controller <sup>5</sup>		DCS301BA61						
Unified ON/OFF controller <sup>5</sup>		DST301BA61						
Schedule timer <sup>5</sup>		DCS601C51						
intelligent Touch Controller <sup>5</sup>		KRP1C63						
Adaptor for wiring <sup>6</sup>		KRP4AA53						
Wiring adaptor for electrical appendices(2) <sup>6</sup>		KRP1H98A						
Installation box for adaptor PCB		KRC501-4B						
Remote sensor (for indoor temperature)		—						

Note: <sup>1</sup>Refer to page 6 for the details.  
<sup>2</sup>Please order using the names of both components instead of set name.  
<sup>3</sup>Required for installing high-efficiency filter unit and ultra long-life filter unit.  
<sup>4</sup>Wiring for wired remote controller to be procured locally.  
<sup>5</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
<sup>6</sup>Installation box for adaptor PCB (KRP1H98A) 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

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

3-way flow 2-way flow

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

Branch duct connection

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

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

Indoor unit

CEILING SUSPENDED TYPE

Name of option	Remark	Kit name										
		FHNQ13MV1V	FHNQ18MV1V	FHNQ21MV1V	FHNQ24MV1V	—	FHNQ30MV1V	FHNQ36MV1V	—	FHNQ42MV1V	FHNQ48MV1V	
Replacement long-life filter	Resin net	KAF501DA56	KAF501DA80	—	—	—	FHNQ26MV1	FHNQ30MV1	FHNQ36MV1	—	FHNQ42MV1	FHNQ48MV1
L-type piping kit (for upward direction)	—	KHFJ5F50	KHFJ5F60	—	—	—	KAF501DA112	—	—	—	KAF501DA160	—
Remote controller	Wireless type	—	—	—	—	—	—	—	—	—	BRC7NU66	—
	Wired type <sup>1</sup>	—	—	—	—	—	—	—	—	—	BRC1NU61	—

Note: <sup>1</sup>Wiring for wired remote controller to be procured locally.

DUCT CONNECTION LOW STATIC PRESSURE TYPE

Name of option	Remark	Kit name					
		FDBNQ09MV1V	FDBNQ13MV1V	FDBNQ18MV1V	FDBNQ21MV1V	FDBNQ24MV1V	FDBNQ26MV1
Remote controller	Wireless type	—	—	—	—	—	BRC4C64
	Wired type <sup>1</sup>	—	—	—	—	—	BRC1C61
Navigation Remote Controller	Wired type <sup>1</sup>	—	—	—	—	—	BRC1E62

Note: <sup>1</sup>Wiring for wired remote controller to be procured locally.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

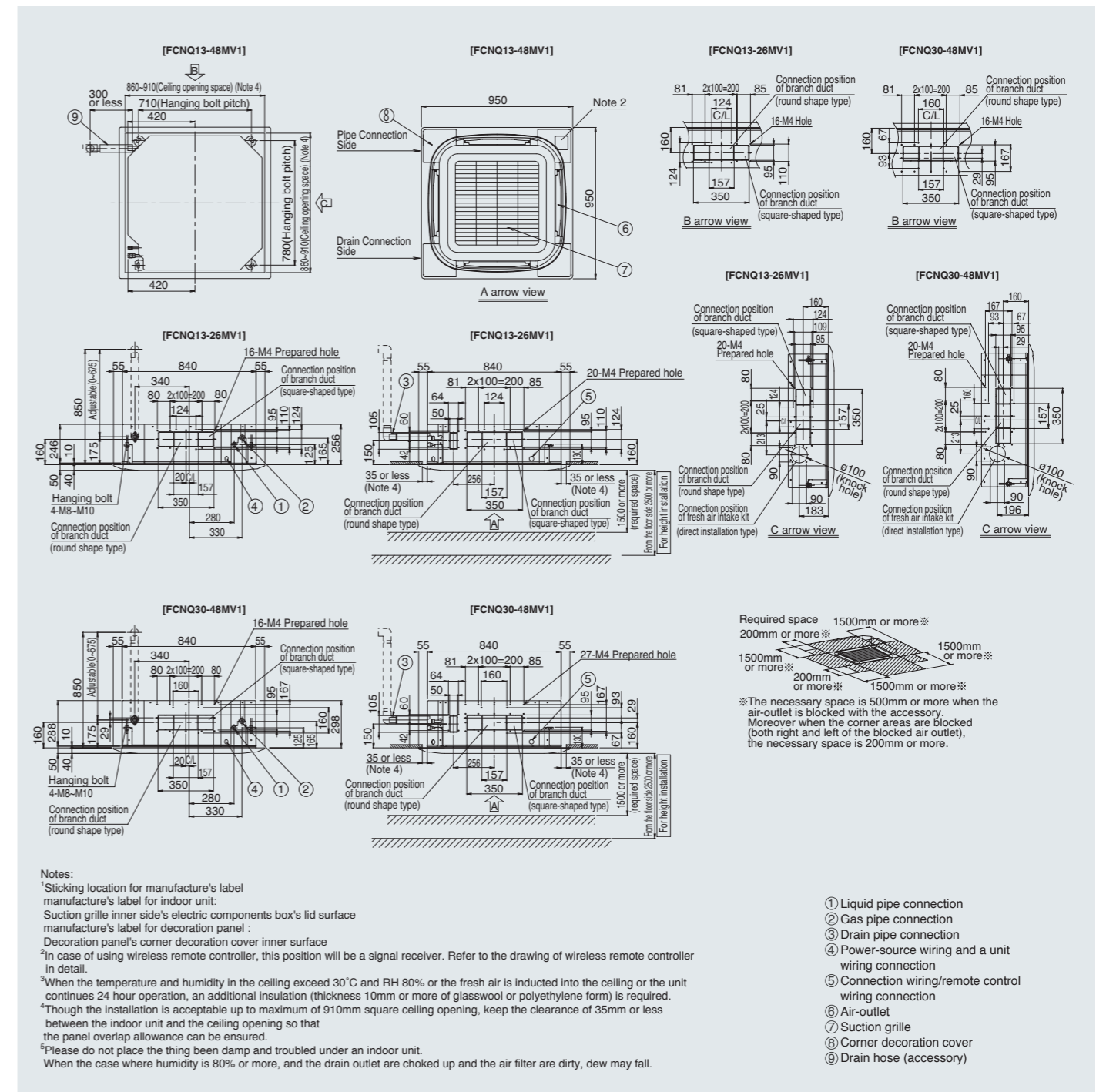
Name of option	Remark	Kit name				
		FDMNQ26MV1	FDMNQ30MV1	FDMNQ36MV1	FDMNQ42MV1	FDMNQ48MV1
Remote controller	Wireless type	—	—	—	—	BRC4C64
	Wired type <sup>1</sup>	—	—	—	—	BRC1C61
Navigation Remote Controller	Wired type <sup>1</sup>	—	—	—	—	BRC1E62

Note: <sup>1</sup>Wiring for wired remote controller to be procured locally.

Outdoor unit

Name of option	Kit name										
	RNQ09MV1V	RNQ13MV1V	RNQ18MV1V	RNQ21MV1V	RNQ24MV1V	—	RNQ30MV1V	RNQ36MV1V	—	—	
Central drain plug	—	—	—	—	—	—	RNQ26MV1	RNQ30MV1	—	RNQ36MV1	
	—	—	—	—	—	—	RNQ26MY1	RNQ30MY1	—	RNQ36MY1	
—	—	—	—	—	—	—	—	—	—	RNQ42MY1	RNQ48MY1

CEILING MOUNTED CASSETTE TYPE



Notes:

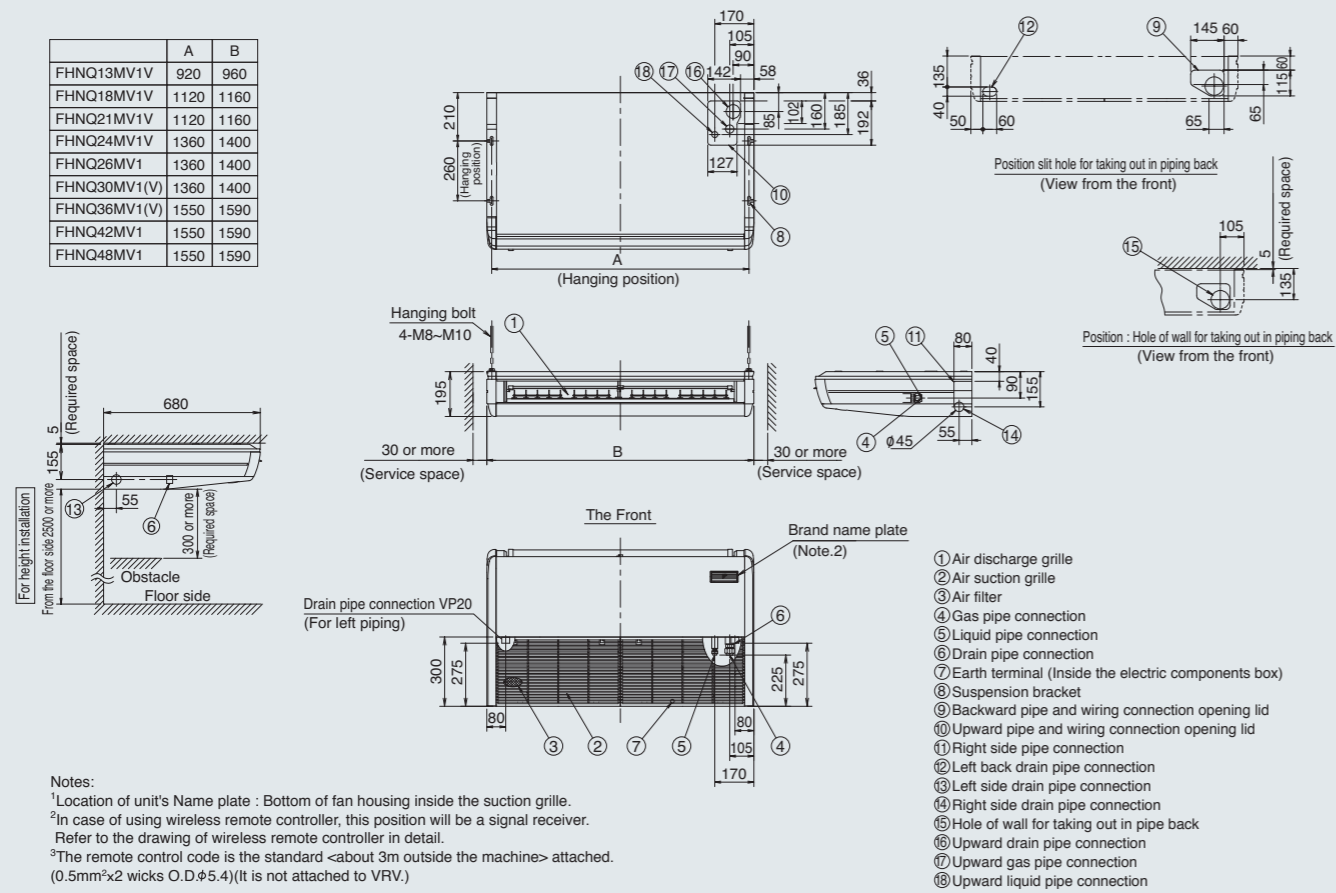
- <sup>1</sup>Sticking location for manufacturer's label
- manufacturer's label for indoor unit:
- Suction grille inner side's electric components box's lid surface
- manufacturer's label for decoration panel :
- Decoration panel's corner decoration cover inner surface
- <sup>2</sup>In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
- <sup>3</sup>When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.
- <sup>4</sup>Though the installation is acceptable up to maximum of 910mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.
- <sup>5</sup>Please do not place the thing been damp and troubled under an indoor unit.
- When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

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

**CEILING SUSPENDED TYPE**

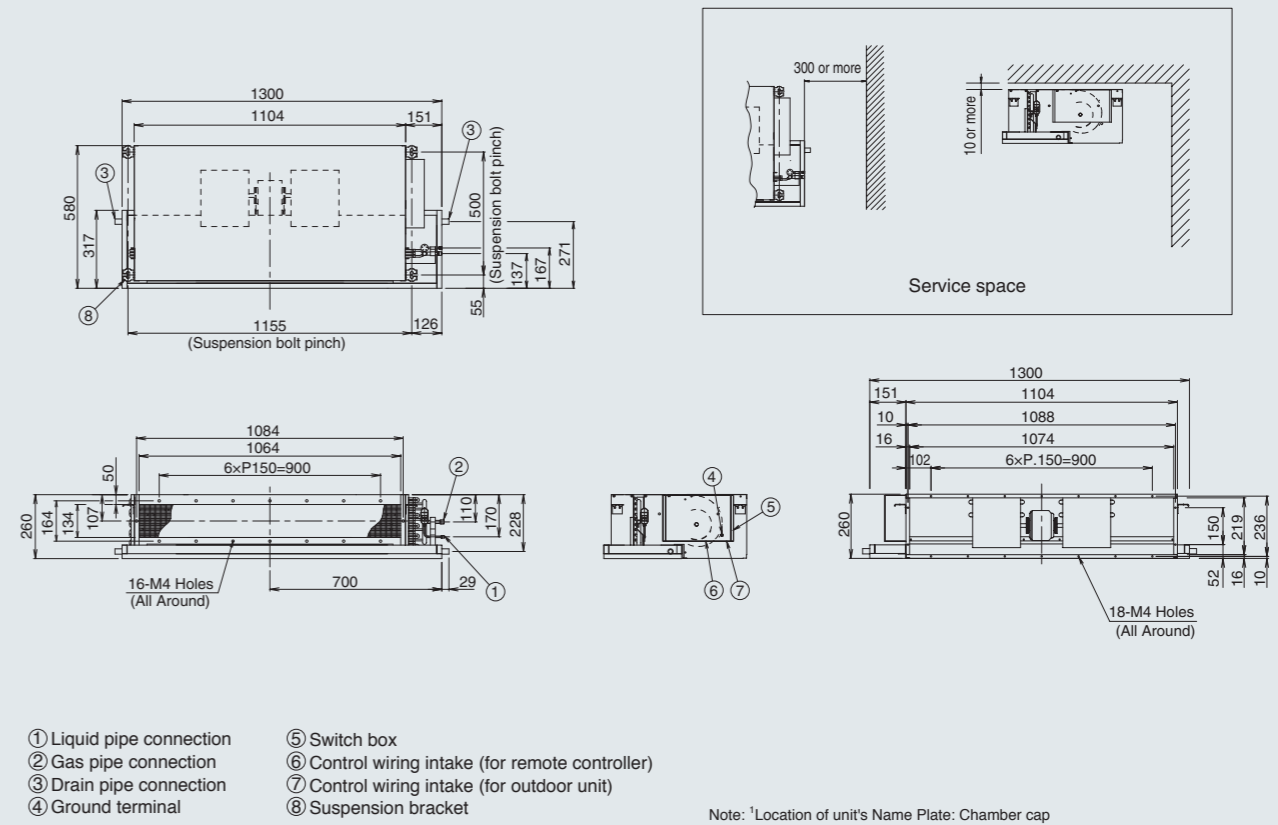
[FHNQ13/18/21/24/26/30/36/42/48MV1(V)]

	A	B
FHNQ13MV1V	920	960
FHNQ18MV1V	1120	1160
FHNQ21MV1V	1120	1160
FHNQ24MV1V	1360	1400
FHNQ26MV1	1360	1400
FHNQ30MV1(V)	1360	1400
FHNQ36MV1(V)	1550	1590
FHNQ42MV1	1550	1590
FHNQ48MV1	1550	1590



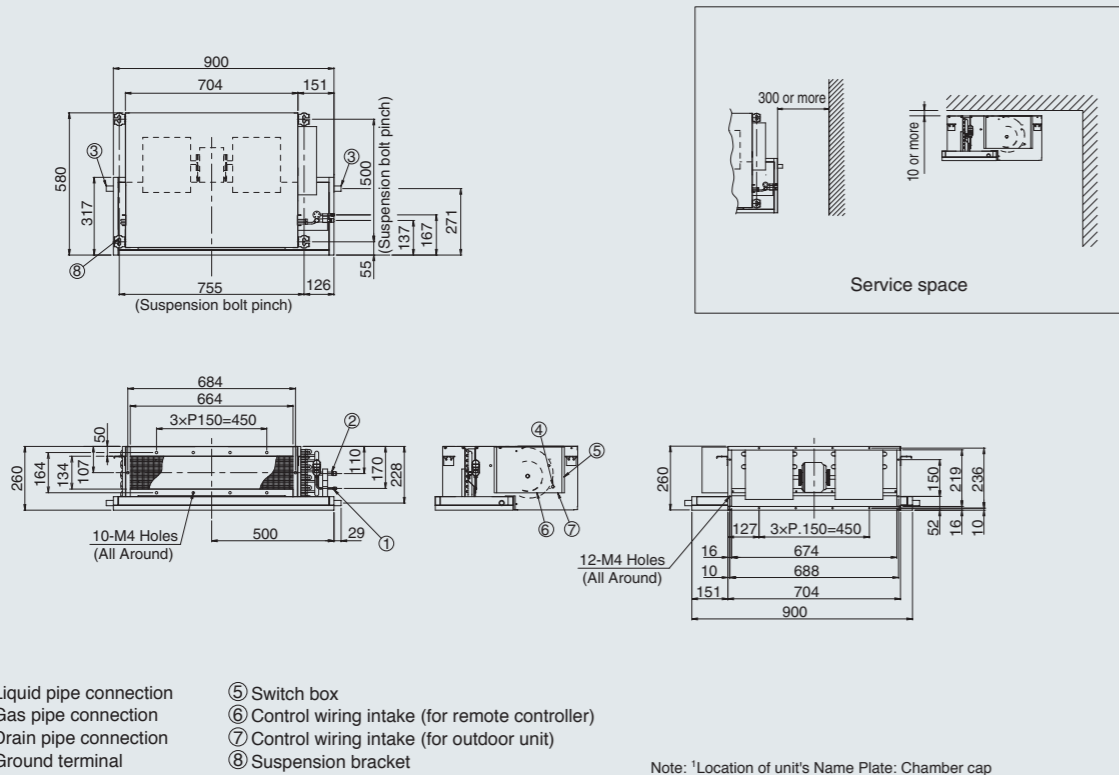
**DUCT CONNECTION LOW STATIC PRESSURE TYPE**

[FDBNQ21MV1V, FDBNQ26MV1]



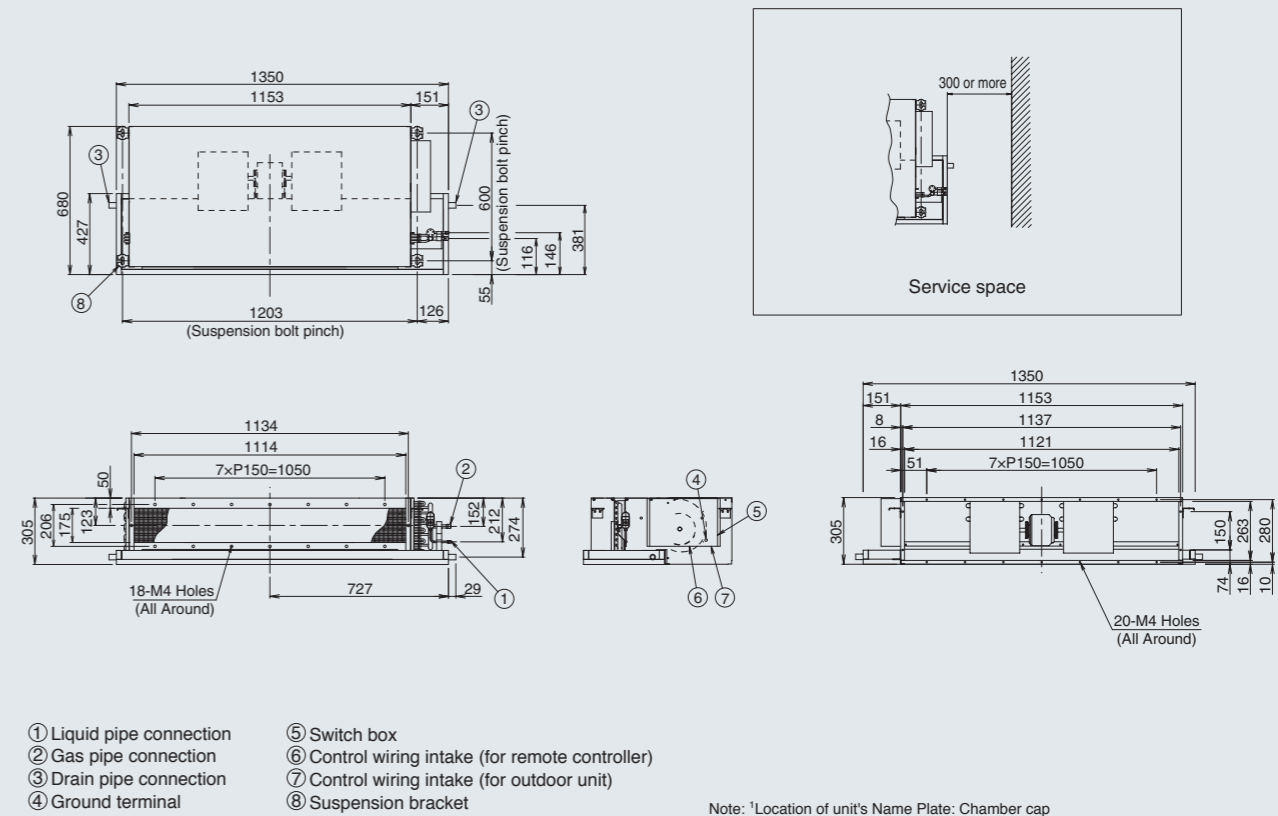
**DUCT CONNECTION LOW STATIC PRESSURE TYPE**

[FDBNQ09/13/18MV1V]



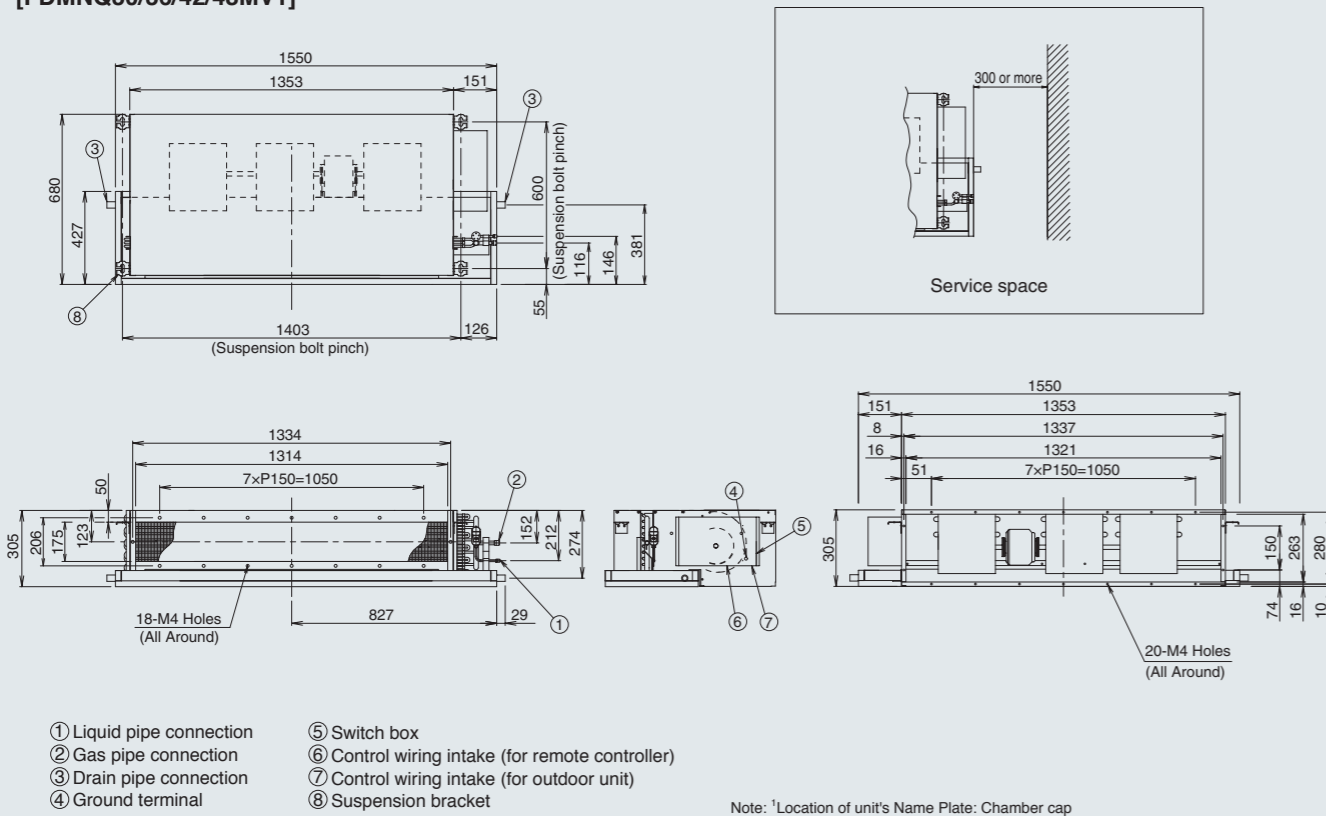
**DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE**

[FDMNQ26MV1]

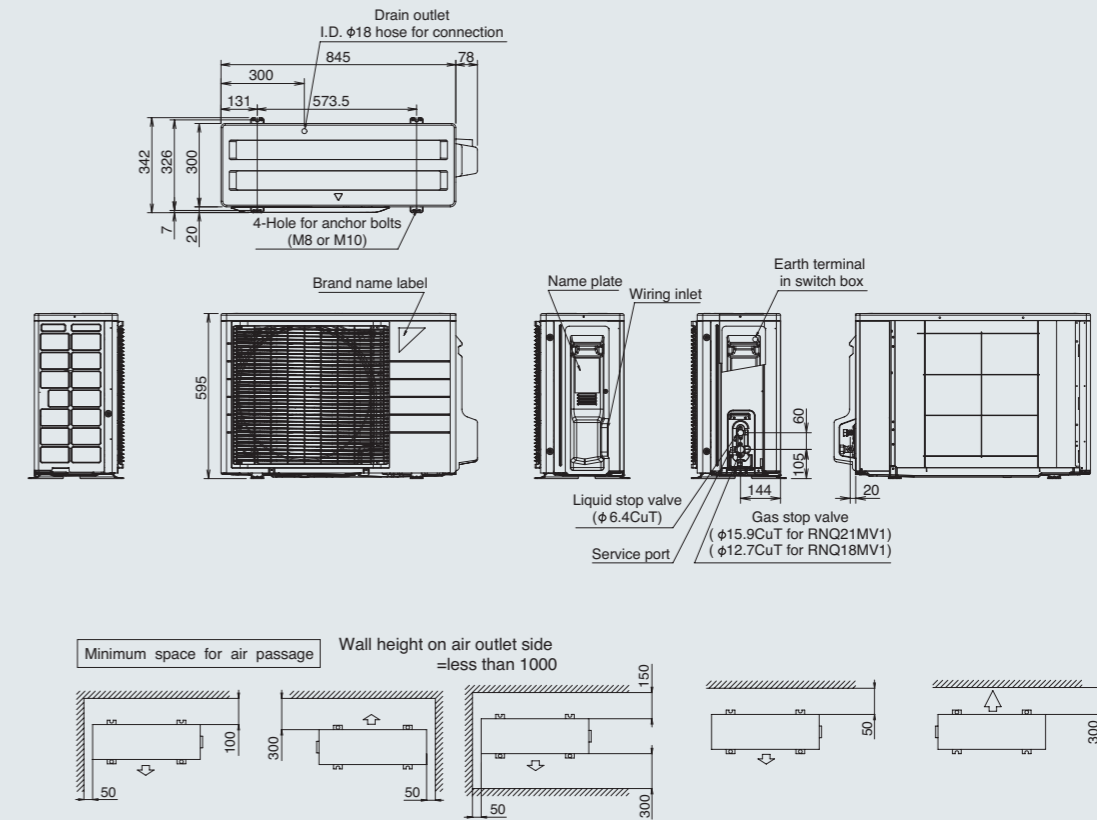


**DUCT CONNECTION LOW / MIDDLE STATIC PRESSURE TYPE**

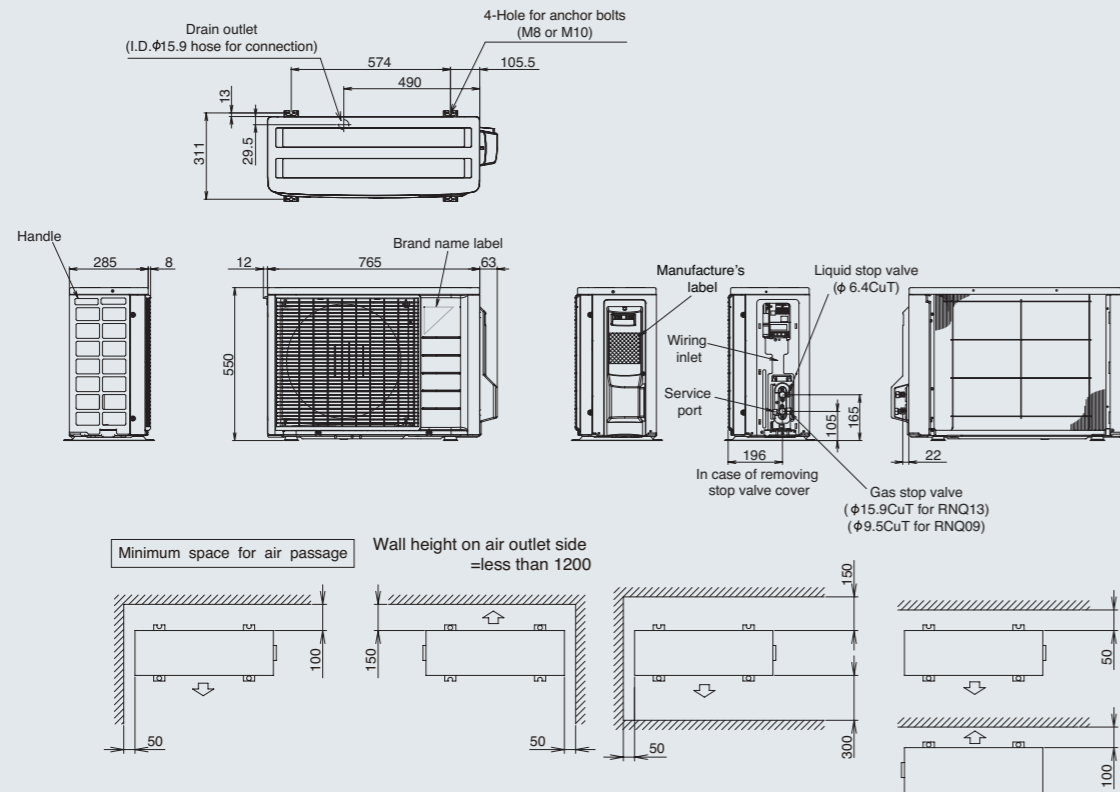
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[FDMNQ30/36/42/48MV1]



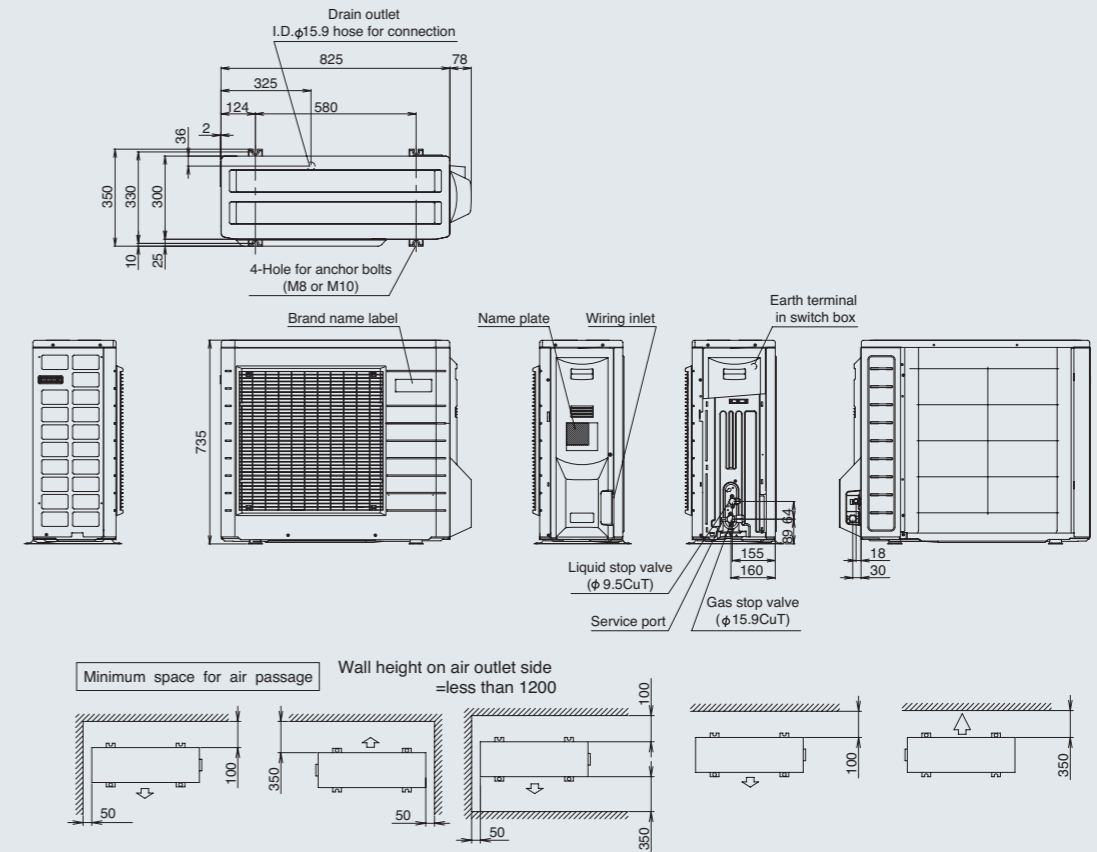
**OUTDOOR UNIT // RNQ18/21MV1(V)**



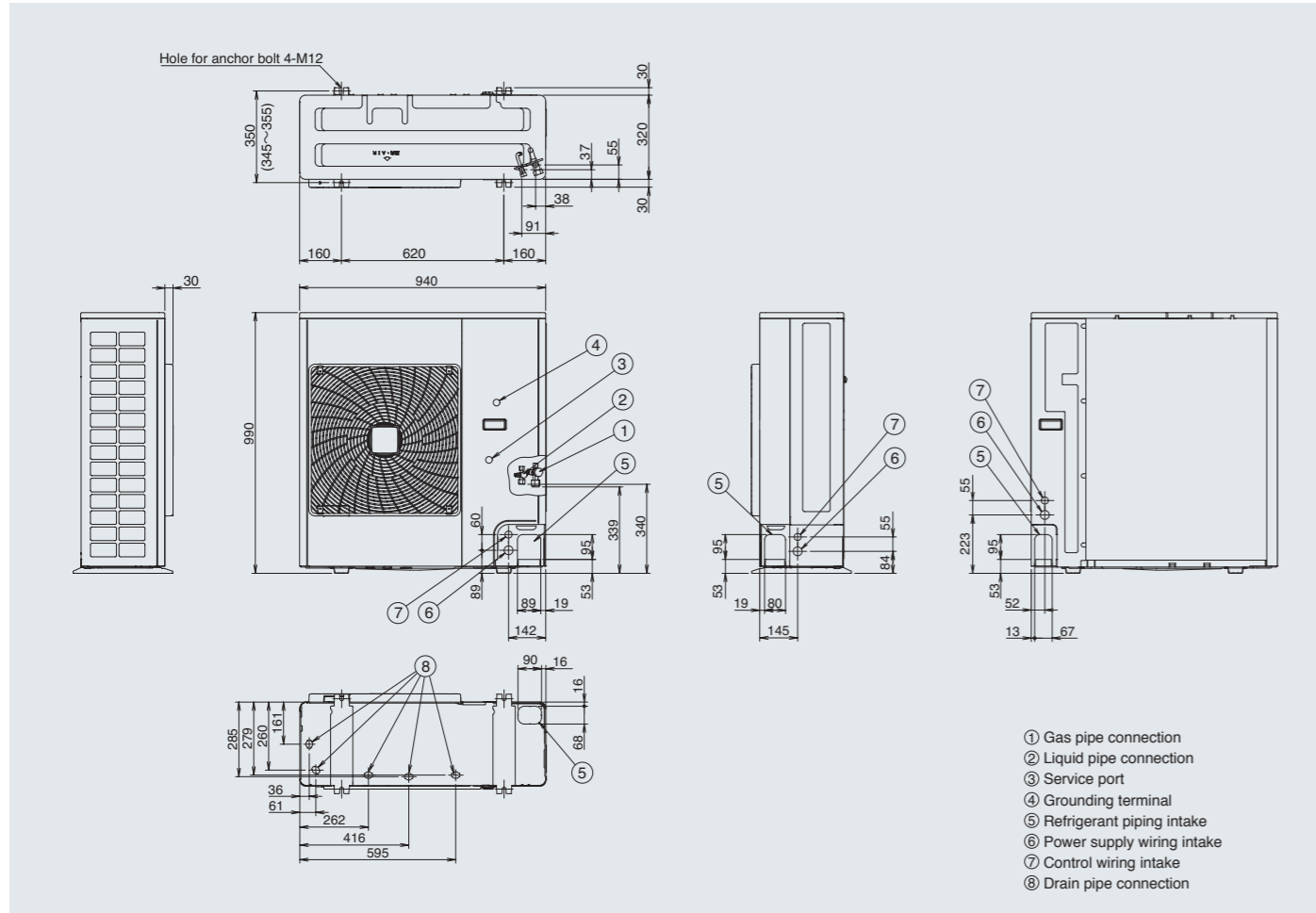
**OUTDOOR UNIT // RNQ09MV1V, RNQ13MV1(V)**



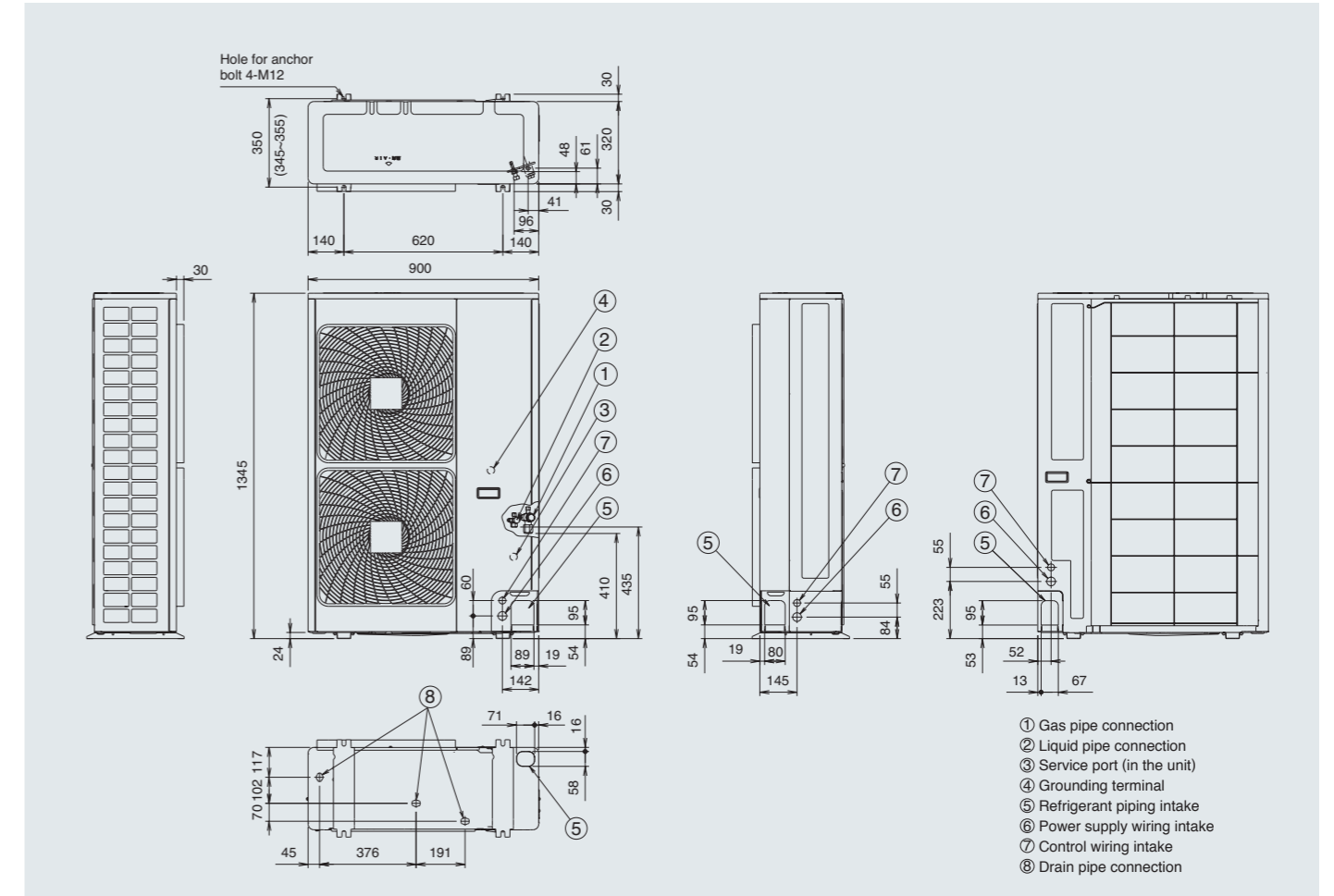
**OUTDOOR UNIT // RNQ24MV1V, RNQ26MV1, RNQ26MY1**



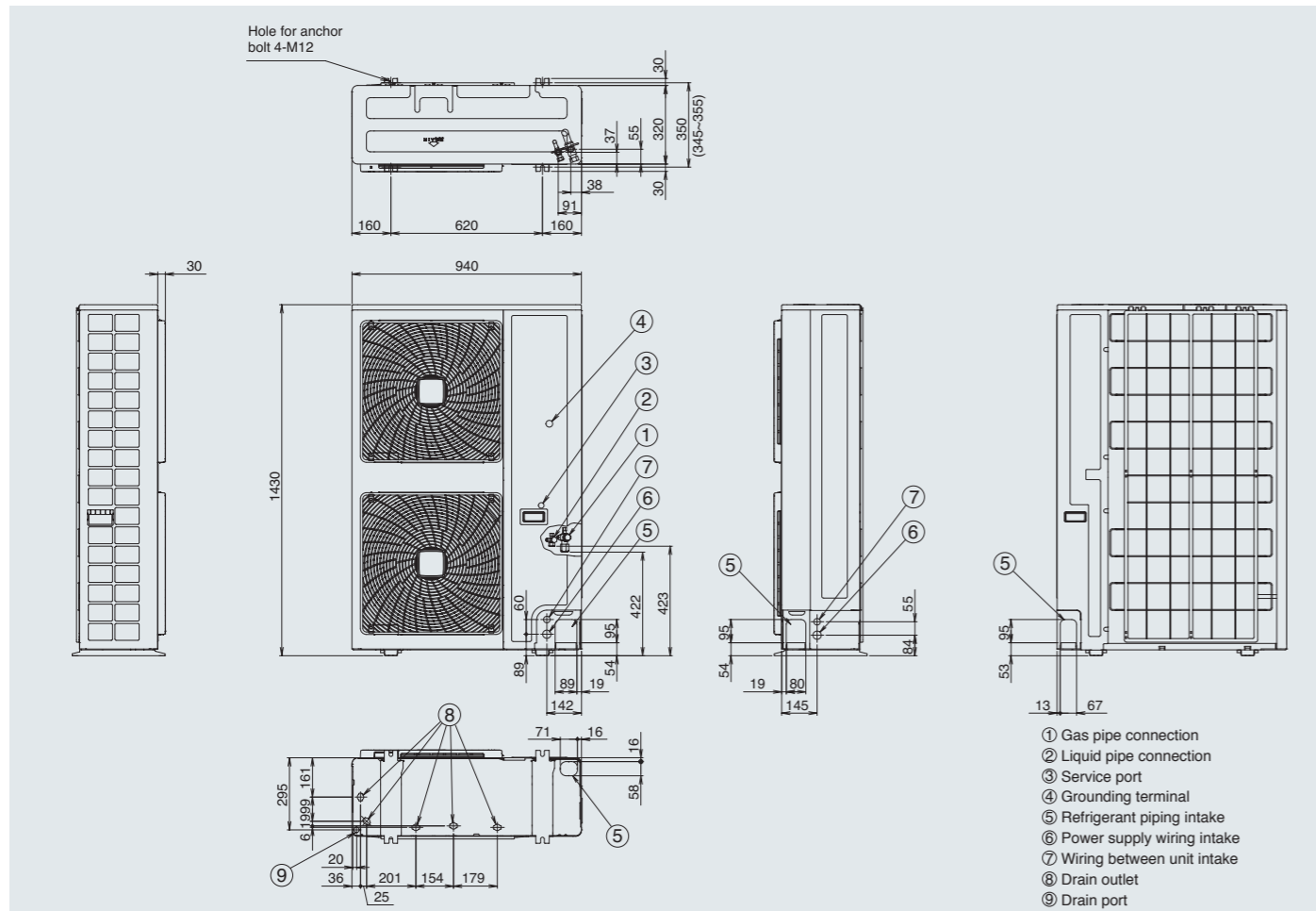
**OUTDOOR UNIT // RNQ30MV1(V), RNQ30MY1**



**OUTDOOR UNIT // RNQ36MV1, RNQ36/42/48MY1**



**OUTDOOR UNIT // RNQ36MV1V**

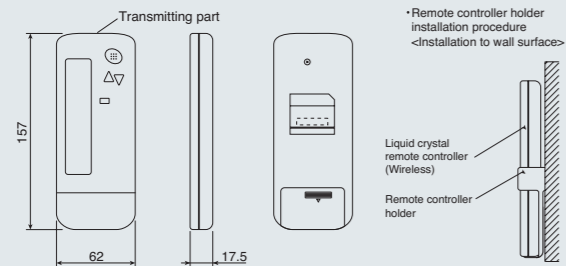




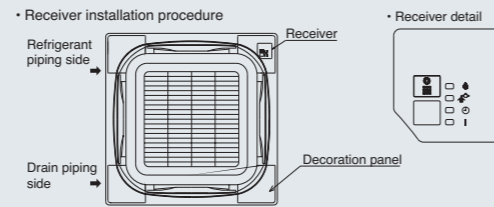
REMOTE CONTROLLER

《Wireless type》 · Remote controller dimensions

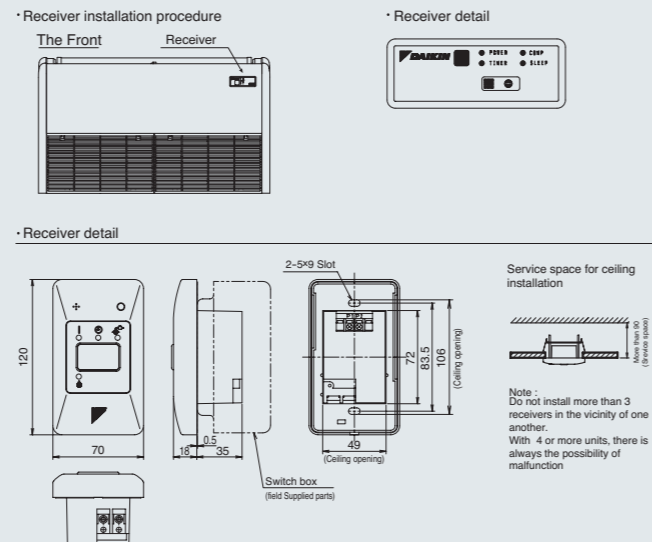
BRC7F633F BRC4C64



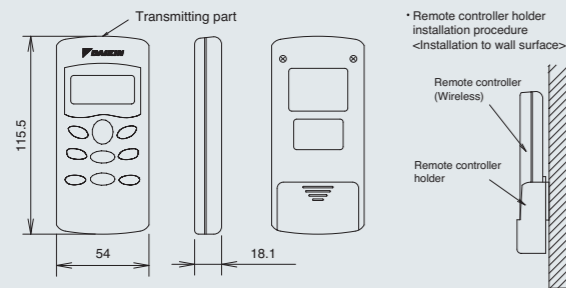
CEILING MOUNTED CASSETTE TYPE <Round Flow>



CEILING SUSPENDED TYPE

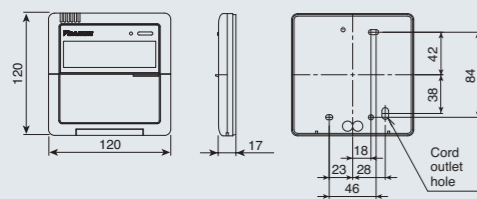


BRC7NU66

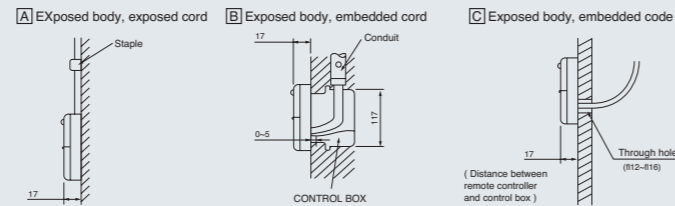


《Wired type》 · Remote controller dimensions

BRC1C61



· Remote controller installation procedure



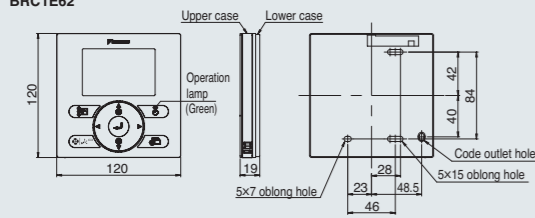
Note) 1. Remote controller cord and staple are not attached. They are field supplied parts.

Specifications of cord

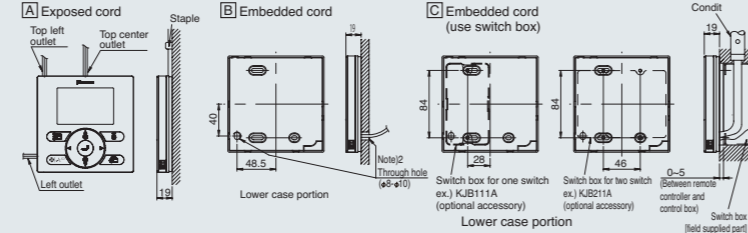
Type *	Vinyl cord with sheath or cable (Insulated thickness: 1 mm or more)
Size	0.75~1.25 mm <sup>2</sup>
Total length	500 m

\* Countries requiring EMC: Shield wire (insulated thickness: 1 mm or more)

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· Installation method



Note)

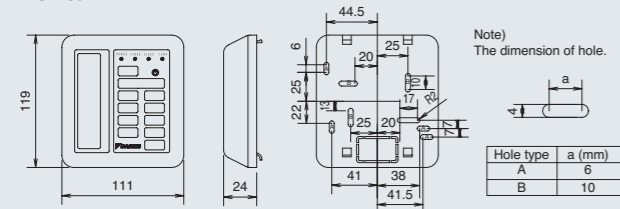
1. Remote controller cord and staple are not attached. They are field supplied parts.

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

Specifications of cord

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

BRC1NU61



Note) The dimension of hole.

Hole type	a (mm)
A	6
B	10

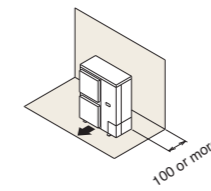
■ For RNQ30-48MV1(V)/Y1

1 When there is an obstruction on the inlet side

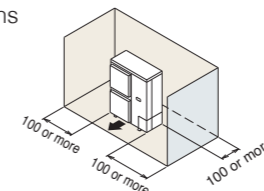
1) When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

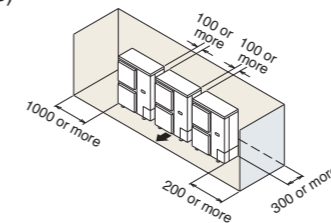


When there are obstructions on both sides



2. For multiple units installation (more than two units)

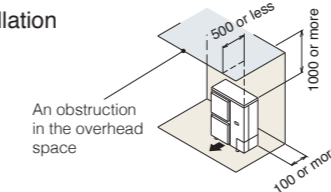
When there are obstructions on both sides



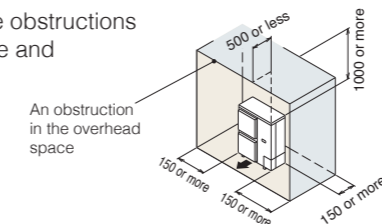
2) When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

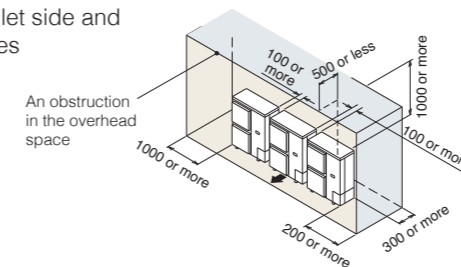


When there are obstructions on the inlet side and both sides



2. For multiple units installation (more than two units)

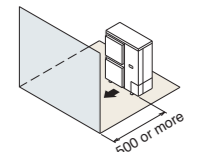
When there are obstructions on the inlet side and both sides



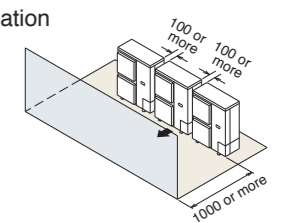
2 When there is an obstruction on the outlet side

1) When the overhead space is open

1. For single unit installation



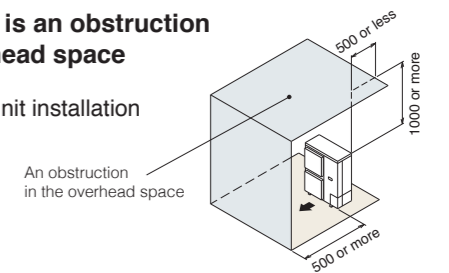
2. For multiple units installation (more than two units)



2) When there is an obstruction in the overhead space

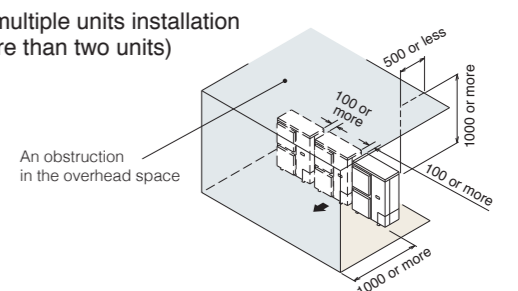
1. For single unit installation

An obstruction in the overhead space



2. For multiple units installation (more than two units)

An obstruction in the overhead space



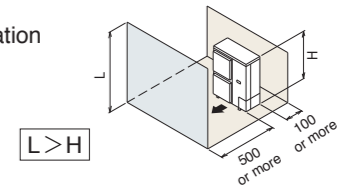
3 When there are obstructions on both the inlet and outlet sides

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

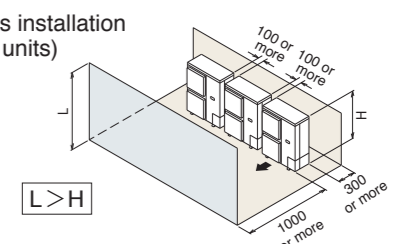
1) When the overhead space is open

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

1. For single unit installation



2. For multiple units installation (more than two units)



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

