DAIKIN

RZR-1117-D

Sky Air
Single-Split Inverter Series




INVERTER

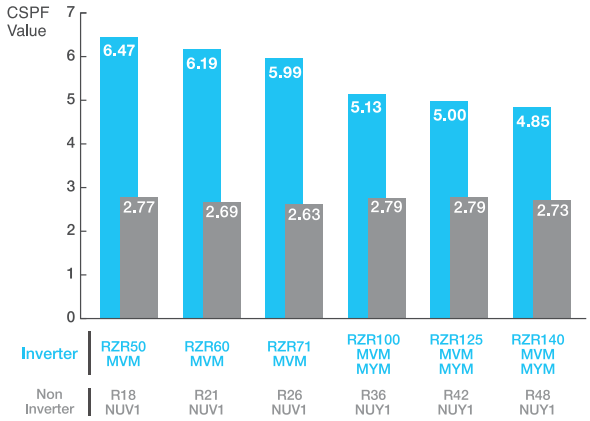
R410A

01 ENERGY SAVING

Throughout the cooling season, Daikin's new inverter models reduce energy consumption

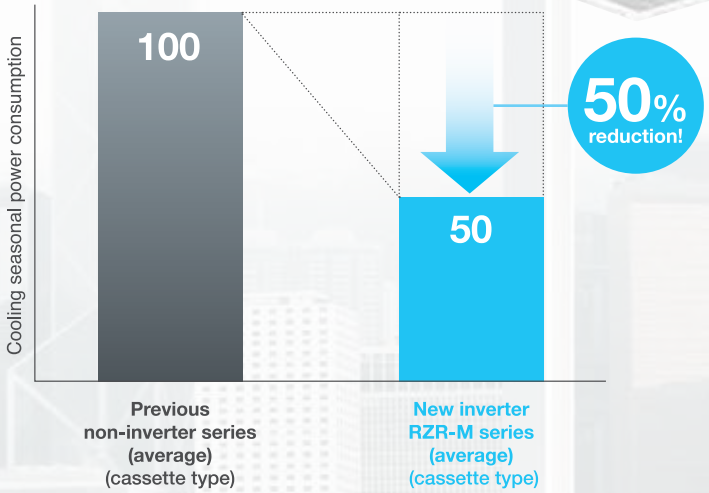
Compared with previous non-inverter series, the new RZR-M series uses about 50% less power consumption. Get quick and effective cooling, and cut electricity bills.

CSPF values by capacity for cassette models



* CSPF (cooling seasonal performance factor) is a new international energy-efficiency criterion calculated by methods stipulated in ISO 16358-1.

Comparison of cooling seasonal power consumption based on average CSPF values



New inverter RZR-M series - R410A (cassette type)

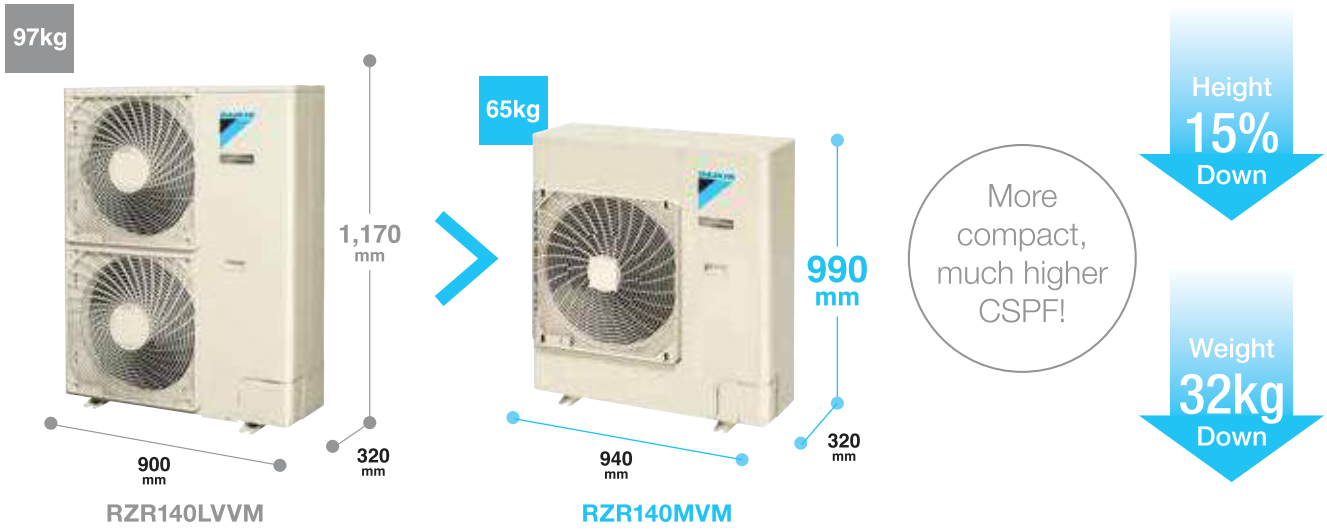
Previous non-inverter series - R22 (cassette type)

Note: Value 100 represents the amount of electricity used by a non-inverter model during a similar annual cooling period.

What is CSPF?

CSPF is the value for the annual total cooling load divided by the annual total power consumption at outdoor air condition specified by ISO standard.

New outdoor units save even more space



(In case of 14.0kW class)

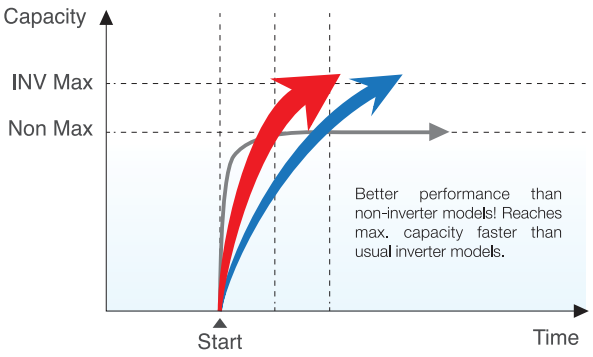
Compared to the previous mainstream inverter series, outdoor units are much more compact. Easy installation in places with limited space.

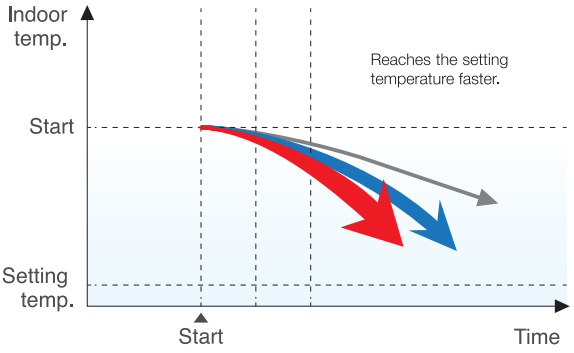
Faster cooling and dehumidification:
New inverter control technology brings quick comfort

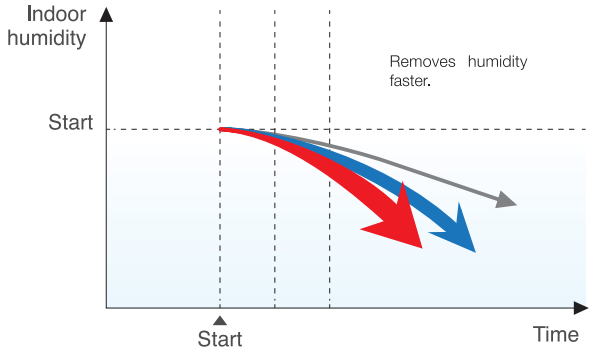
Quick cooling start function

Quickly and easily make space comfortable before the arrival of office workers or shop customers. As well as quick cooling at max. capacity, new inverter control rapidly removes indoor humidity. More than simple temperature reduction, this twin reduction provides greater comfort (within 30 minutes max.).

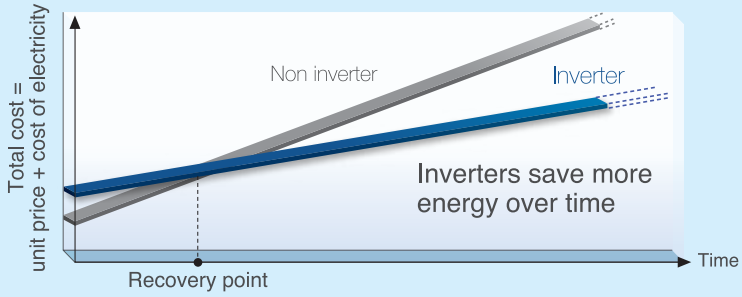
- New Inverter (RZR-M series)
- Usual Inverter (RZR-L series)
- Non inverter







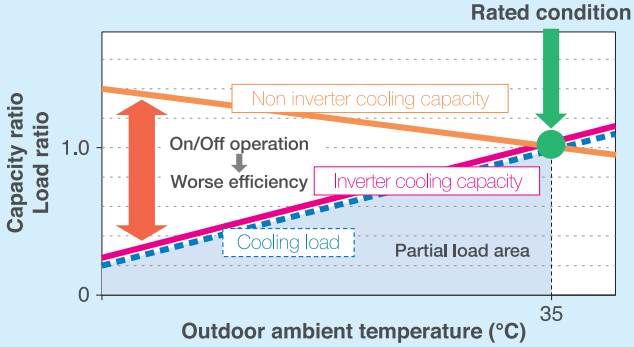
BRC1E62 wired remote controller is used for 'Quick cooling start'.



Why is inverter technology economical?

- Inverter system consumes less electricity, and soon recovers the difference in initial cost. This results in lower total cost.

- Inverter air conditioner can adjust its cooling capacity according to the cooling load. This results in less power consumption.

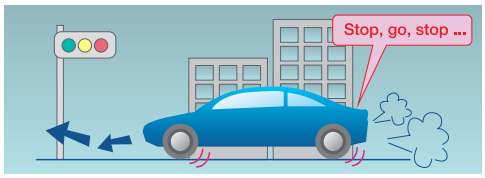


In response to fluctuating cooling load , non-inverter air conditioners repeatedly perform On (full-power)/Off (zero-power) operation. Inverter air conditioners, however, operate at optimal cooling capacity according to the cooling load. Since inverter air conditioners provide required minimum cooling capacity with minimum electrical power, total power consumption can be reduced during cooling period.

Inverter **Highway driving**

Continuous driving without stopping and starting is more fuel efficient.

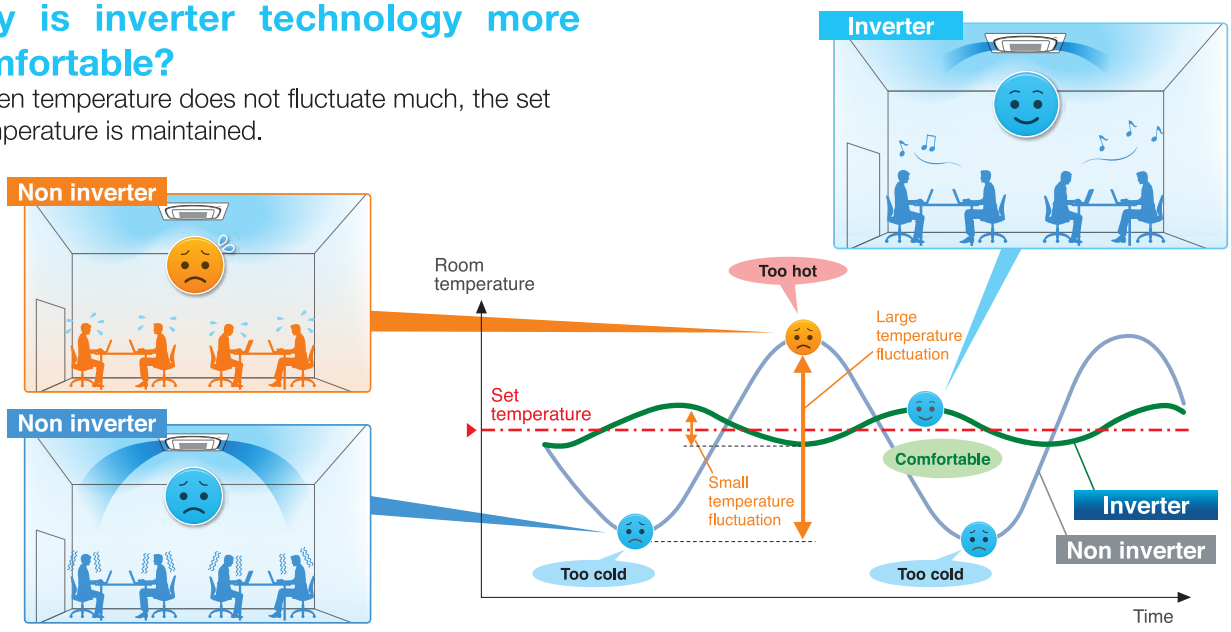
Non inverter **City driving**



Constantly stopping and starting consumes energy and is less fuel efficient.

Why is inverter technology more comfortable?

- When temperature does not fluctuate much, the set temperature is maintained.



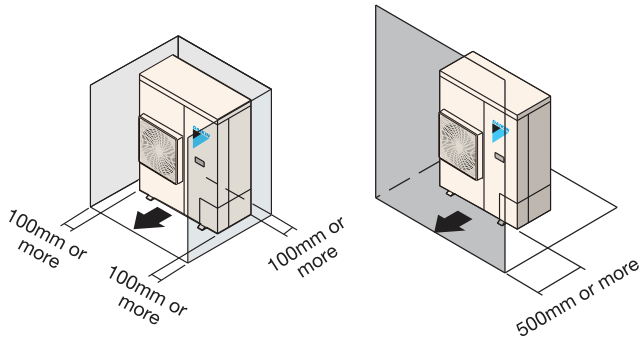
Inverter control responds to load changes and causes minor temperature adjustments. Non-inverter control frequently turns ON and OFF in response to load fluctuations or load mismatch and causes large temperature swings.

DURABILITY (RZA-A SERIES)

Automatic protection against low voltage

In AM and PM peak electricity consumption periods, supply may fluctuate. Built-in low-voltage protection will automatically cut operations. When normal voltage is restored, operation will resume as before.

Outdoor unit installation is possible even with limited space



Coated printed circuit boards

Coated circuit boards prevent problems caused by humidity and airborne dust.

Self-diagnosis functions enable prompt maintenance response

An error message appears on the LCD of the remote controller and an LED lights up on the unit. When the BRC1E62 is installed, the error code appears showing contact information and model name. Contact your Daikin dealer and provide the error code and model name.

More economy or comfort in special situations

High sensible cooling enables even greater power savings

In locations such as simple server rooms, dehumidification is not required and greater power savings are possible with 'High sensible cooling' mode.

*Field setting with remote controller.

High dehumidification cooling provides even greater comfort

In restaurants and other spaces where many people gather, 'High dehumidification cooling' mode reduces humidity and creates greater comfort.

*Available with RZR100–140M models. Field setting on outdoor unit.

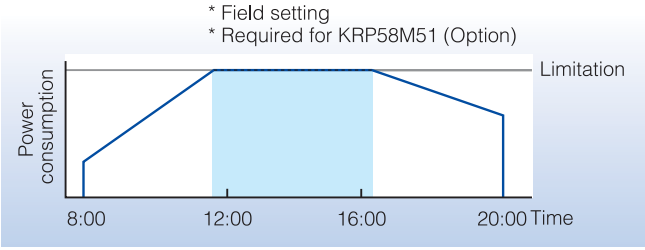
And more... Advanced Daikin inverter technology brings various benefits to owners and installers.

Demand Control Function

By setting limits that restrict power consumption, you can cut electricity bills.

Power consumption is given first priority, and limits maximum power consumption of unit.

Maximum power consumption can be set at 40, 60, 70, 80, or 100%.



* RZR100-140 only

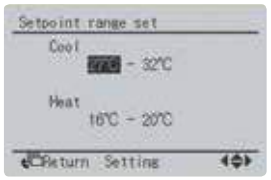
Navigation remote controller BRC1E62 includes various convenient functions

Automatic return to temperature preset by owner

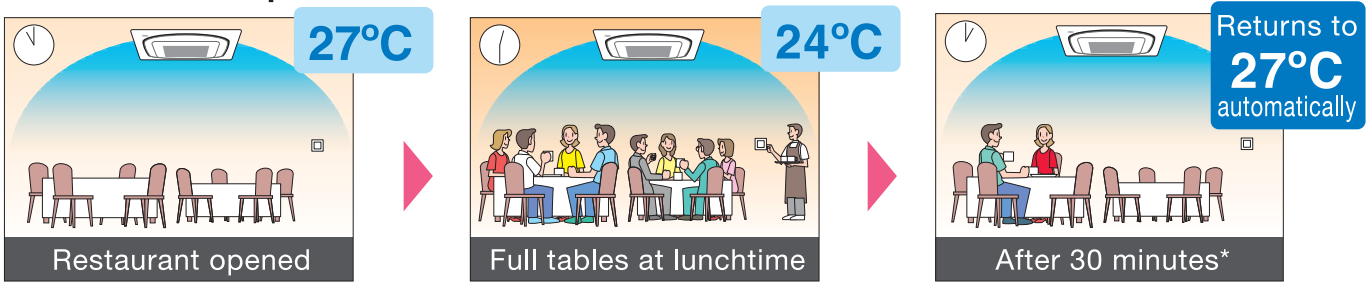
Setpoint auto reset
- Even if the set temperature is changed, after a preset period new set temperature returns to preset value.
- Period selectable from 30, 60, 90, or 120 minutes.

Owner can preset upper and lower temperatures

Setpoint range set
- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient if the remote controller is installed where anyone can change the settings.



Restaurant Example



Temperature is set to 27°C

Then is lowered to 24°C for crowded room

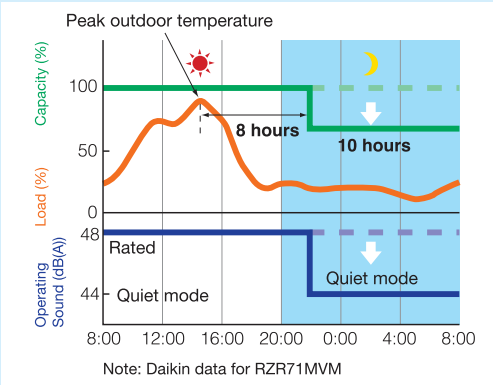
Automatically returns to preset temperature (27°C)

* Preset-return time can be set at 30, 60, 90, or 120 min

Night quiet operation mode

Consideration for people living nearby

Outdoor unit operating sound can be reduced.



Note: Daikin data for RZR71MVM

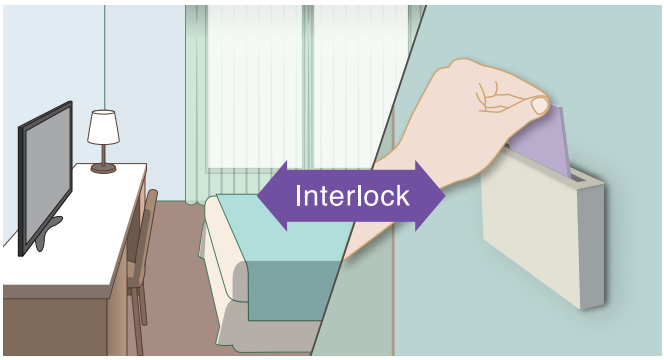
Operating sound about 4 dB quieter

Possible to force On–Off operation using external command

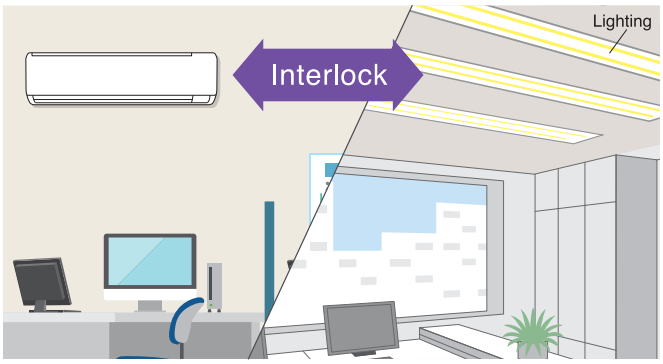
(Available in ceiling concealed type and wall mounted type)
*Field setting with remote controller

Off-operation never overlooked if linked to use of hotel keycard: enables overall power savings.

Ceiling Concealed Type
FBQ-E series



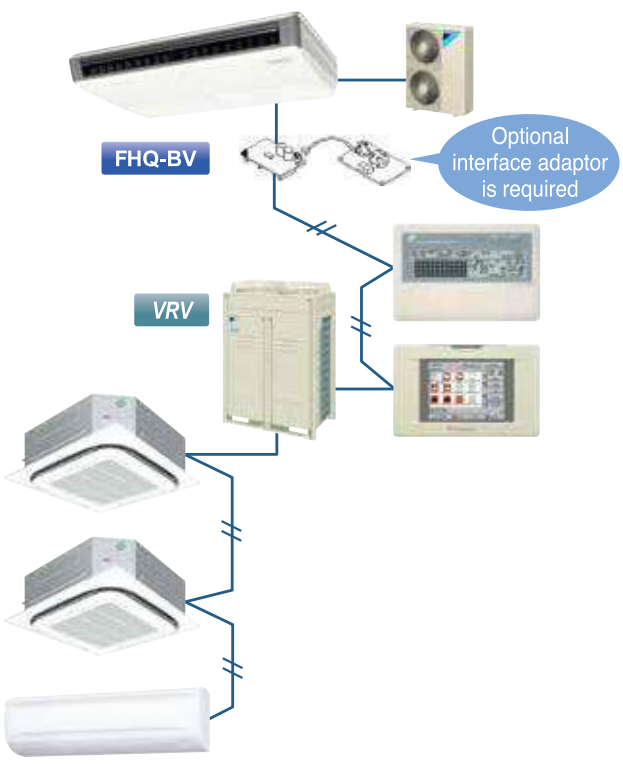
Wall Mounted Type
FAQ-C series



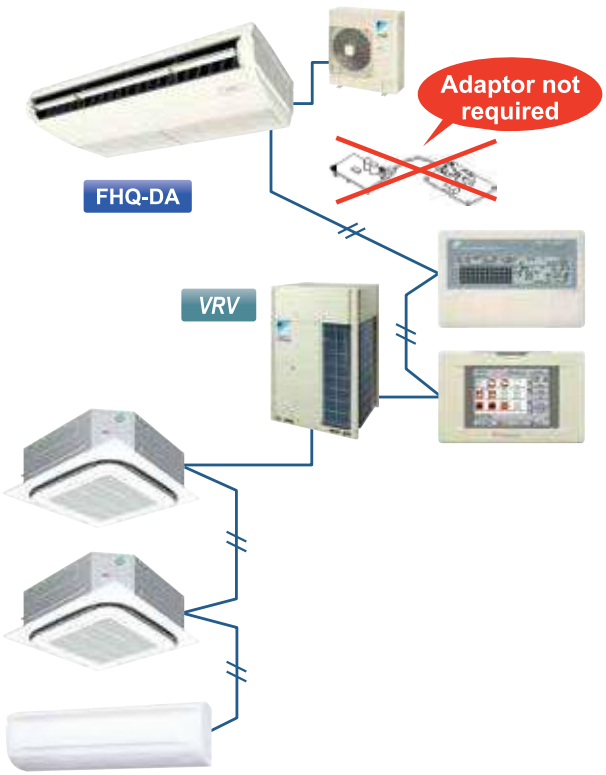
* Other type of indoor unit is available by using optional adapter.

All indoor units comply with DIII-Net standards (connected to RZR series units)

Previous indoor unit



New indoor unit



Thanks to easy connection to DIII-NET and long piping length, suitable for projects that include VRV and SkyAir.

09

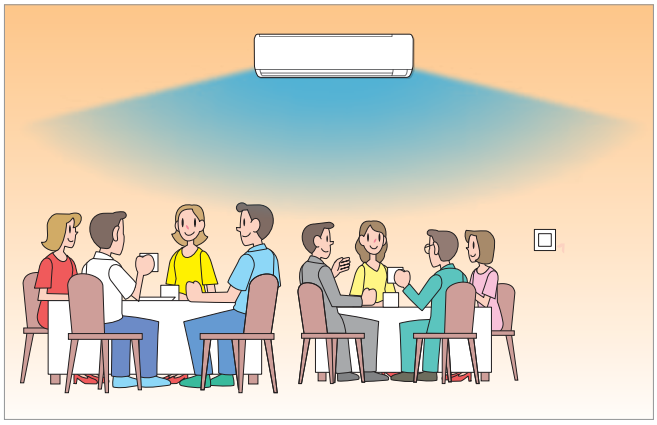
SMART AIRFLOW CONTROL

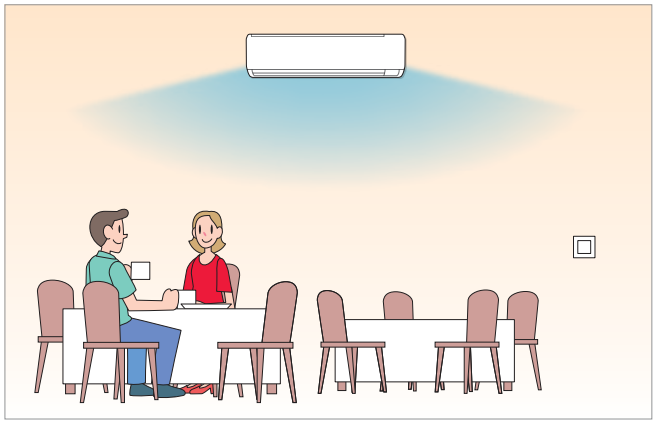
All indoor units can provide 3-step fine control of air volume

(connected to RZR series units)

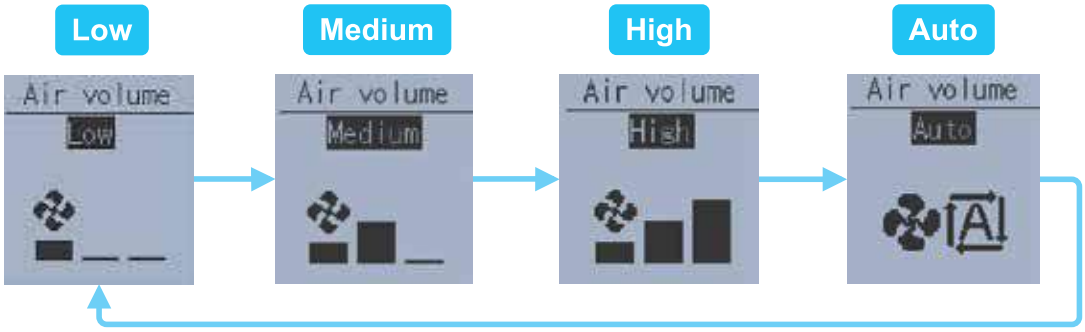
Comfort ensured by 'Auto' airflow rate that matches load level

(Available in wall mounted type and ceiling concealed type)



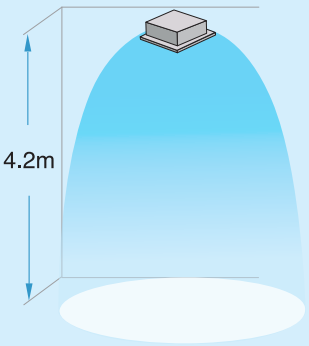


Convenient energy-efficiency for stores with peak and quiet periods.

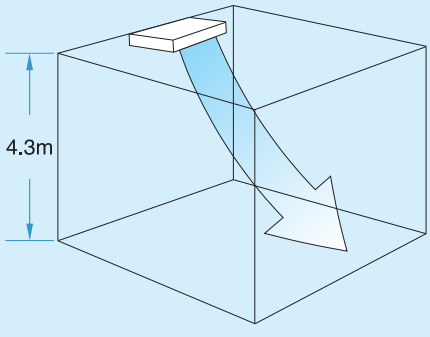


Also convenient for high ceilings and spaces with long blow distances

Cassette type <Round Flow>:
max. 4.2m



Ceiling exposed:
max. 4.3m



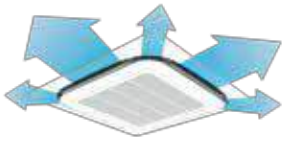
*Field setting with remote controller

Airflow pattern is selectable to match room shape and installation location

Cassette Cassette (Round Flow)

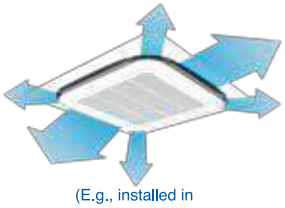
Typical flow patterns There are a total of 23 flow patterns.

L-shaped 2-way flow



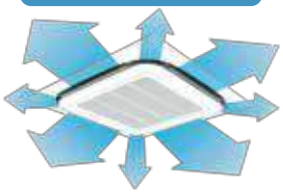
(E.g., installed in a corner)

Opposite 2-way flow



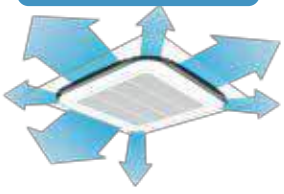
(E.g., installed in a long room)

All-round flow



(E.g., installed in middle of ceiling)
4-way flow also possible.

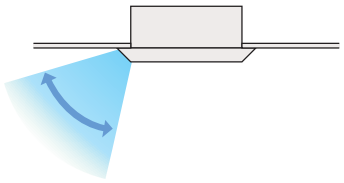
3-way flow



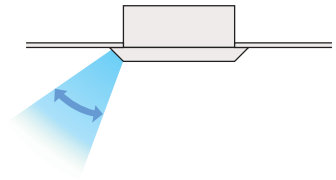
(E.g., installed near a wall)

You can freely set air discharge setting by remote controller.

(1) Standard setting

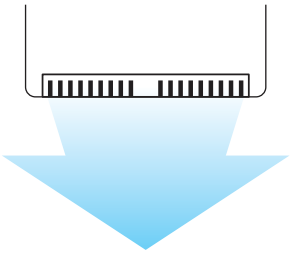


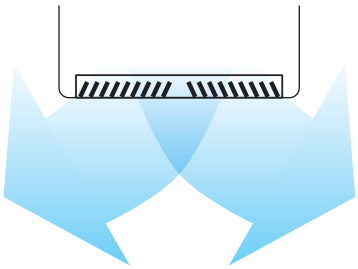
(2) Ceiling soiling prevention setting



Ceiling Exposed

Long or wide airflow





PRODUCT LINEUP

Capacity	hp*1	1.0	1.5	2.0
	kW*1	25	35	50
Indoor Unit				
Wall Mounted				
Ceiling Cassette (4 Way Flow/Round Flow)		 FFR10CV1	 FFR15CV1	 FCQ50KAVEA
Ceiling Exposed			 FLR15EV1L FLR15EV1M	 FHQ50DAVMA
Ceiling Concealed		 FDMR10CV1M	 FDMR15CV1M	* 2  FBQ50EVE
Outdoor Unit		 RR10DV1	 RR15DV1	 RZR50MVM
Power Source		Indoor	Indoor	Outdoor

2.5	3.0	4.0	5.0	6.0
60	71	100	125	140
		FAQ100CVEA		
 FCQ60KAVEA	 FCQ71KAVEA	 FCQ100KAVEA	 FCQ125KAVEA	 FCQ140KAVEA
 FHQ60DAVMA	 FHQ71DAVMA	 FHQ100DAVMA	 FHQ125DAVMA	 FHQ140DAVMA
* 2  FBQ60EVE	* 2  FBQ71EVE	* 2  FBQ100EVE	* 2  FBQ125EVE	* 2  FBQ140EVE
 RZR60MVM	 RZR71MVM	 RZR100MVM RZR100MYM	 RZR125MVM RZR125MYM	 RZR140MVM RZR140MYM
Outdoor	Outdoor	Outdoor	Outdoor	Outdoor

*1 Capacity (hp) and (kW) are for ease of reference only.
*2 For FBQ-E Series, additional power source at indoor side, please refer to specifications.

WALL MOUNTED TYPE

FAQ100C

Compact design and easy installation

Navigation Remote Controller
(Wired Remote Controller)

BRC1E62

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

Wired LCD Remote Controller

BRC1C61

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.

BRC7EB519

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

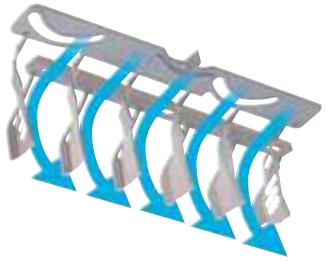
Compact & Sophisticated design

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

Comfortable

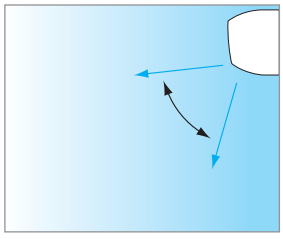
- **Auto swing (up and down) and wide-angle louvers (left and right by hand) facilitate even room temperature**

Wide-angle louvers (by hand)
Soft material louver bends airflow over a wider area

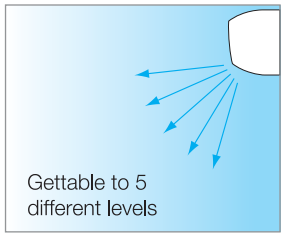


- **An air discharge modes ensure comfortable air distribution across the entire room**

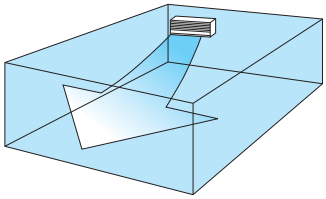
Auto-swing



5-level air direction setting



- **Comfort even on the far side of the room**

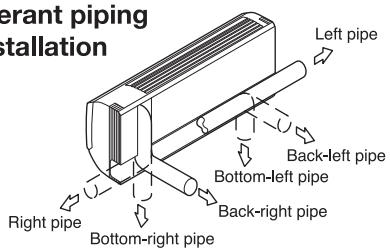


To carry air to the far side of long rooms, extra-high airflow adds 10% more fan speed the "high" setting. Air discharge strength is selected from the remote controller by field setting.

- **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.

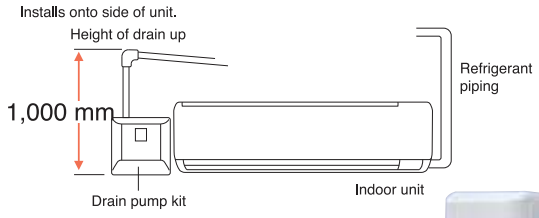
Design and installation flexibility

- **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**

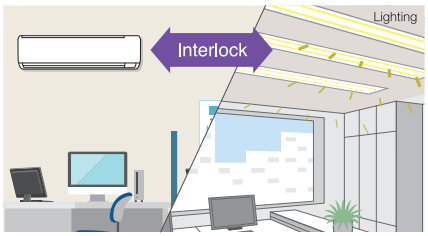


Drain pump kit can be installed on either left and right side of the indoor unit.

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

  Using a 3rd-party building management system, air conditioning and lighting can be interlocked.

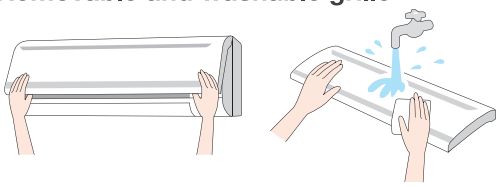
* Field setting with remote controller



- **DIII-NET communication standard**
  Connection to a centralised control system is available without option.

Easy cleaning

- **Removable and washable grille**



- **Flat panel, easy to wipe dust off**
  Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.

CEILING CASSETTE TYPE (4-WAY FLOW)

FFR10/15C

Wireless Remote Controller

DGS01

- Compact and easy to use controller
- Prominent temperature display
- Real time clock display
- Easily accessible buttons for on/off,
- Temperature setting, fan speed and mode control.

Wired Remote Controller

DSLM8

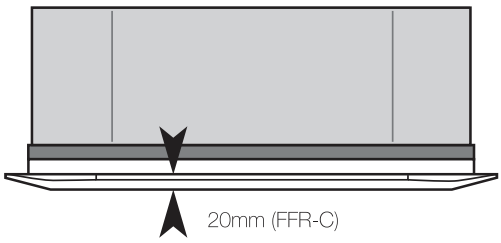
- Prominent temperature display.
- Real time clock display.
- Easily accessible buttons.
- Key lock function
- Real-time timer: 7 days option, 2 events daily

Exclusive 4-Way Air Flow And Auto Air Swing

This feature is complemented by the powerful Turbo Mixed Flow Fan, cools remarkably fast and evenly to deliver extraordinary cooling efficiency.

Elegantly Designed Panel

The slim panel can be blended into any decoration and design.



Auto Random Restart

In the event of a sudden power failure during operation, unit can be automatically restart (subject to certain protection conditions) from last setting condition. This eliminates the need to restart manually after each power failure.

Forced On/Off Operation

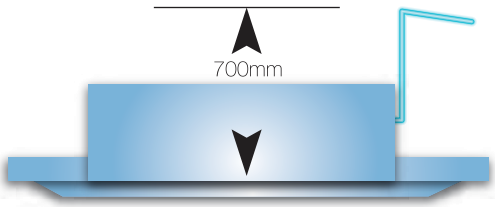
This feature enables you to operate the unit even if the remote controller is misplaced or the remote's battery is weak. Preset at 24°C cool mode, just press the forced on button for instant cooling comfort.

Dry Mode Operation (Dehumidifying Operation)

Start with cooling to dehumidify and keeps the room dry without much change in temperature.

Built-In High Head Drain Pump

The unit comes with a built-in high head drain pump up to 700mm. A safety float is incorporated in the drain pump to monitor its water level.



CEILING CASSETTE TYPE (ROUND FLOW)

ROUND FLOW

FCQ50/60/71/ 100/125/140KA

Cassette air conditioner with 360° uniform airflow sets the standard

Navigation Remote Controller
(Wired Remote Controller)

BRC1E62

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

Wired LCD Remote Controller

BRC1C61

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.

BRC7F635F

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.

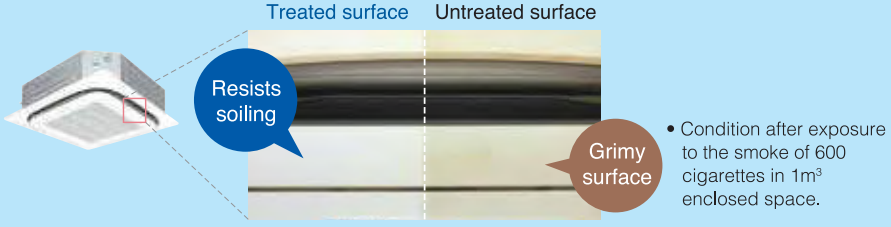
All-round flow	3-way flow	L-shaped 2-way flow	Opposite 2-way flow
			
(E.g., installed in middle of ceiling) 4-way flow also possible.	(E.g., installed near a wall)	(E.g., installed in a corner)	(E.g., installed in a long room)

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 1m³ enclosed space.

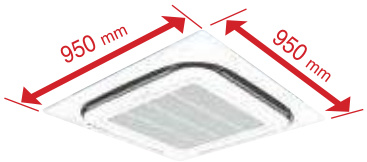
Silver ion anti-bacterial drain pan
A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause smells and clogging.

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

Unified square panels

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.



Same for all models

Optimal comfort and convenience assured by 2 air discharge modes

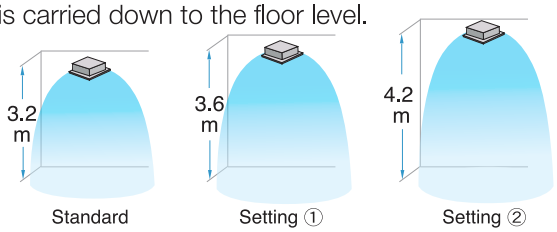
Panel size is the same for all models, FCQ50-140KA.
It is easy to maintain a neat appearance when multiple units are installed in the same room.

Air direction	Standard setting[1]	Setting to prevent soiling of ceiling[2] (field setting)
Desired situation	Standard setting 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:
[1] 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.
[2] 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. (100-140KA)

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

		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
Ceiling height	Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m
	High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m
	High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—

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

Two selectable temperature-sensors

Switchable fan speed: High/Middle/Low

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

Compact body and quiet operation

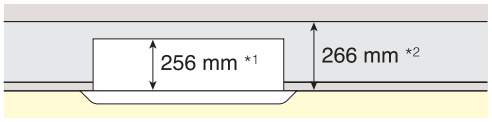
This feature is complemented by the powerful Turbo Mixed Flow Fan, cools remarkably fast and evenly to deliver extraordinary cooling efficiency.

dB(A)

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

Quick and easy to install

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

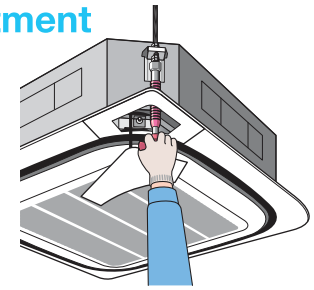


*1 298 mm high with 100–140KA
*2 308 mm high with 100–140KA

Easy height adjustment

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

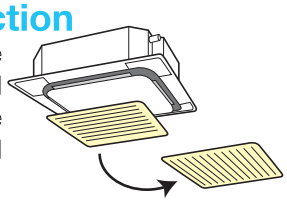
Note:
If the wireless remote controller is installed, a signal receiver unit is housed in one of the adjuster pockets.



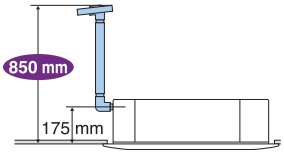
All models can be installed without using lifter because of the light weight

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

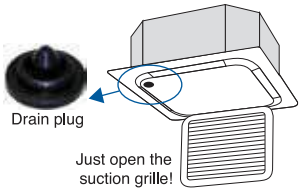
DIII-NET communication standard

Connection to a centralised control system is available without option.

Low gas pressure detection

Easier to maintain

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

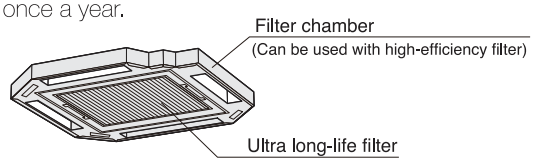


With Ultra long-life filters (option), maintenance is not required in normal shops or offices for up to four years

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

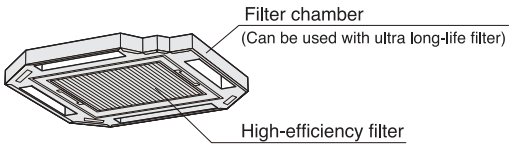
*For dust concentration of 0.3 mg/m³ (Requires separately sold Air purifier.)
1 year (Approx. 5,000 hr) ≒ 15 hr/day x 28 day/month x 12 month/year

Ordinary store or office: filter change every 4 years

*For dust concentration of 0.15 mg/m³
4 years (Approx. 10,000 hr) ≒ 8 hr/day x 25 day/month x 12 month/years x 4 years

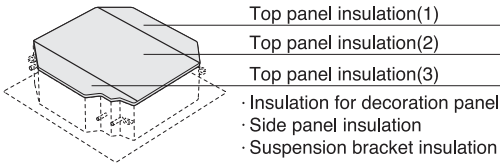
High-efficiency filter unit

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



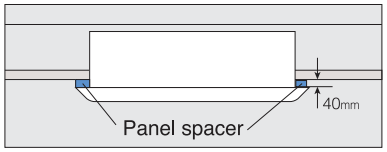
Insulation kit for high humidity

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

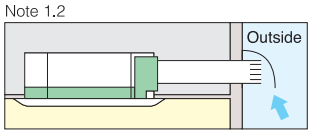
Sealing material block air discharge openings not used in 2-way or 3-way blow.

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

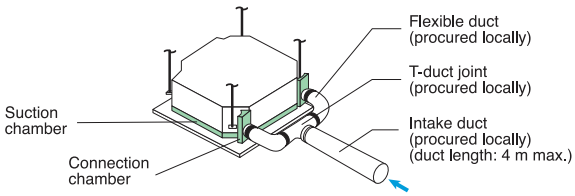
Using this kit, a duct can be connected to take outdoor air in.There are two chamber types that have intake in two places: with T-duct joint and without T-duct joint.



The units can be installed in the following different ways.

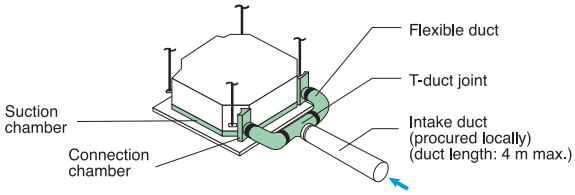
Chamber type (without T-duct joint) Note 3.4

KDDP55B160



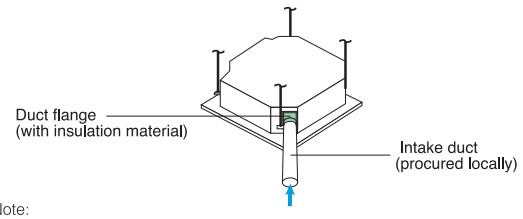
Chamber type (with T-duct joint) Note 3.4

KDDP55B160K



Direct installation type

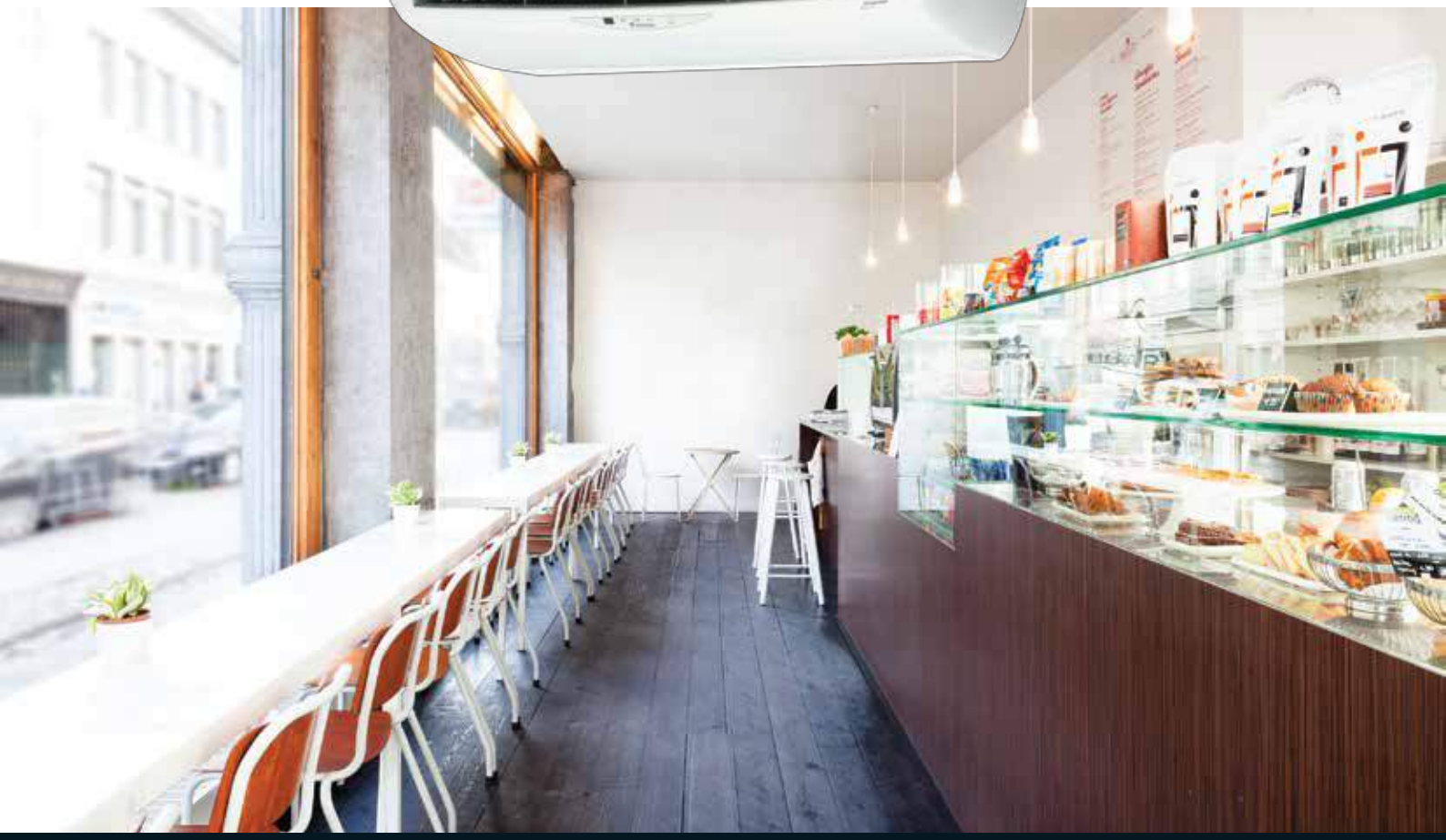
KDDP55X160



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.

CEILING EXPOSED TYPE

FLR15E



Wireless Remote Controller

DGS01

- Compact and easy to use controller
- Prominent temperature display
- Real time clock display
- Easily accessible buttons for on/off,
- Temperature setting, fan speed and mode control.

Wired Remote Controller

DSLM8

- Prominent temperature display.
- Real time clock display.
- Easily accessible buttons.
- Key lock function
- Real-time timer: 7 days option, 2 events daily

Automatic Up and Down Air Swing
The motorized louver enables the air flow to be evenly distributed.

Ceiling and Wall Installation Option
The FLR-E model is uniquely designed with the option to install either below the ceiling or mounted at low wall position to suit any interior design requirement.

* Wall bracket supplied as optional item

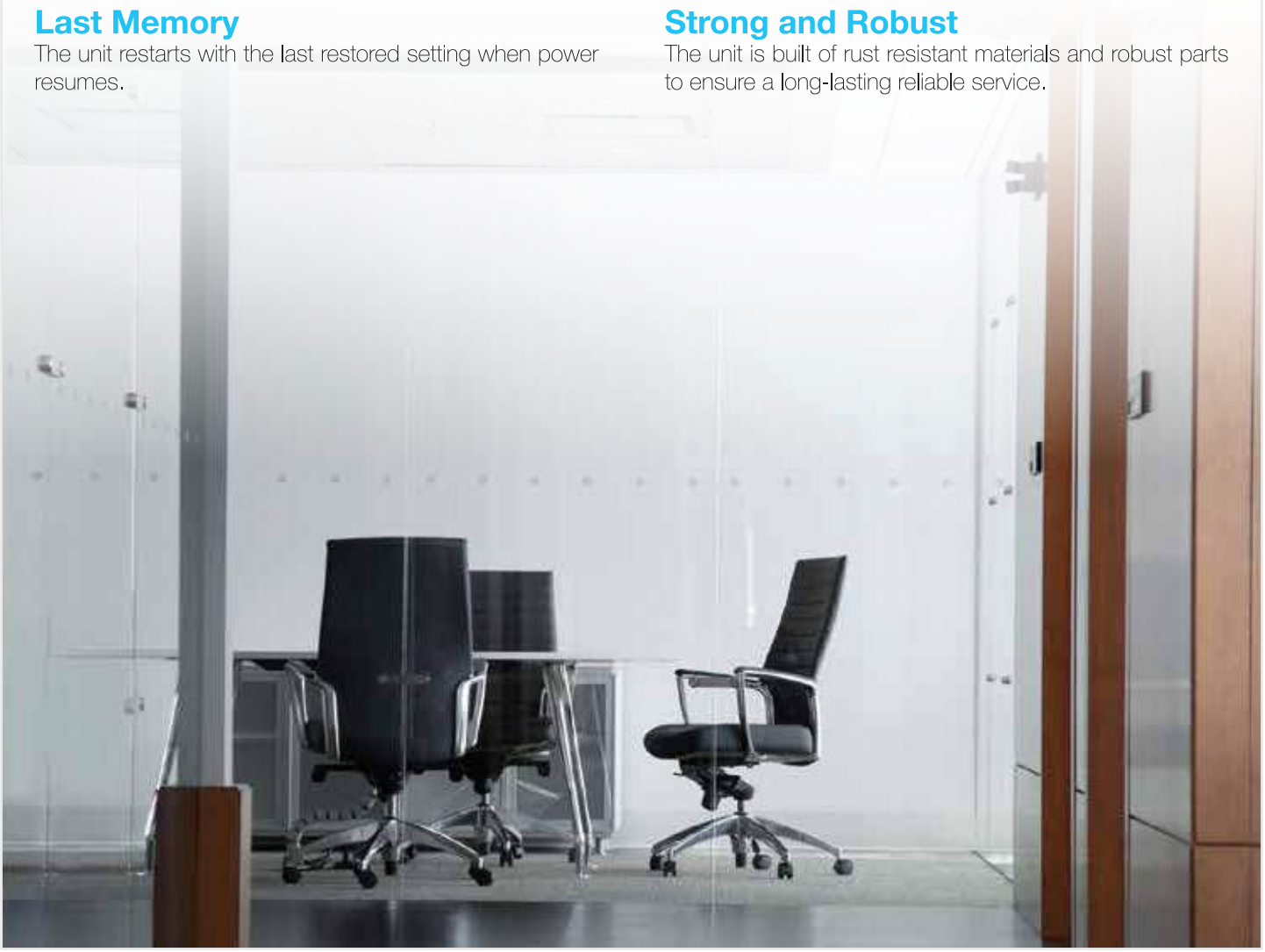
Excellent Air Distribution
The front vanes can be adjusted in four different directions giving you the control over the unit's air to suit your preferences.

Quiet Operation
Indoor noise level is kept at minimal by high efficient indoor fan.

Last Memory
The unit restarts with the last restored setting when power resumes.

Auto Random Restart
It enables the units to restart automatically at different intervals when power resumes after a blackout.

Strong and Robust
The unit is built of rust resistant materials and robust parts to ensure a long-lasting reliable service.



CEILING EXPOSED TYPE

FHQ50/60/71/
100/125/140DA

Comfortable airflow travels throughout the room

Navigation Remote Controller
(Wired Remote Controller)

BRC1E62

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

Wired LCD Remote Controller

BRC1C61

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.

BRC7GA56

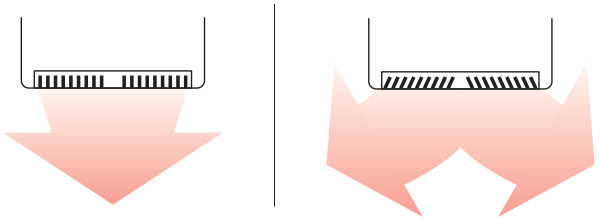
Signal receiver unit
(Installed type)
Wireless remote controller is supplied in a set with a signal receiver.

The latest stylish model

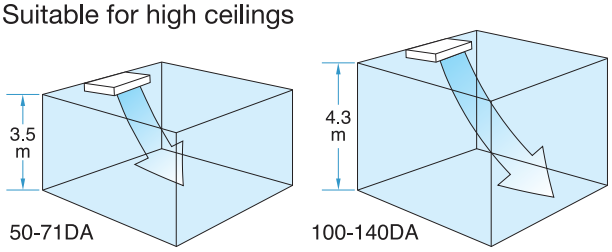
- Sophisticated design
  Flap neatly closes when not in use.
- White colour

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.

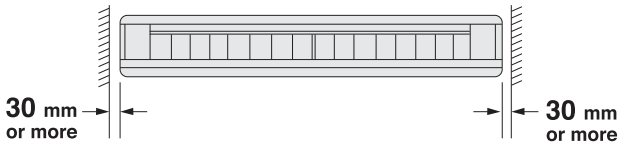
- Two selectable temperature-sensors
- Switchable fan speed: High/Middle/Low
- Programme "Dry"

Quiet operation

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

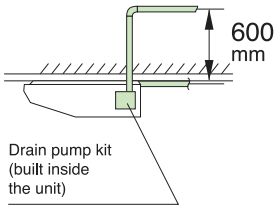
Installation flexibility for freedom of design

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

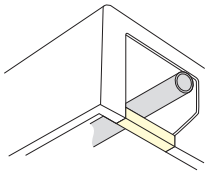


*Water used in the test-run can be drained from the air discharge opening rather than from the side as was formerly the case.

- 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 without option.
- 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.

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.

CEILING CONCEALED TYPE

FDMR 10/15C

Wired Remote Controller

DSLM8

- Prominent temperature display
- Real time clock display
- Easily accessible buttons
- Key lock function
- Real-time timer: 7 days option, 2 events daily

Hidden Comfort

The application of the FDMR series are installed conveniently above the ceiling, making it an ideal cooling choice for both commercial and residential segments. Highly recommended for restaurants, offices and houses with enough ceiling height.

Evergreen Prestige

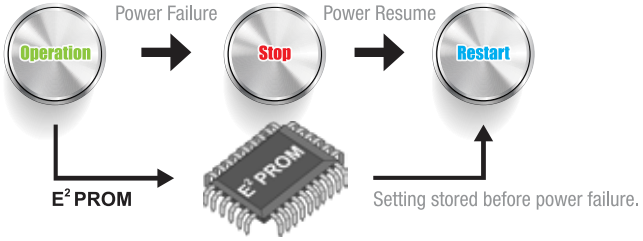
Unlike other indoor units split air-conditioning, FDMR series won't tarnish along with time. With its unique concealed application, FDMR series stays evergreen forever.

Even Air Distribution

The ducting system distributes air flow remarkably even to all corners of the room, delivering option cooling efficiency and comfort.

Auto Random Restart

- Once power resumes after a blackout, the unit will restart automatically at its last setting condition.
- This eliminate the need to restart manually after each power failure.



CEILING CONCEALED TYPE

FBQ50/60/71/ 100/125/140E

Thinner design allows greater installation flexibility

Navigation Remote Controller
(Wired Remote Controller)

BRC1E62

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

Wired LCD Remote Controller

BRC1C61

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

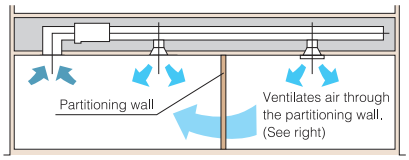
Wireless LCD Remote Controller
A signal receiver must be added to the indoor unit.

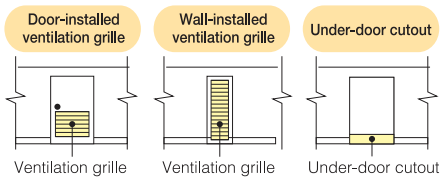
BRC4C66

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

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.

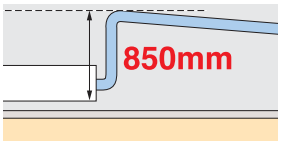
Design and installation flexibility

- **With a height of only 245 mm, installation is possible even in buildings with narrow ceiling spaces**

One of the industry's most compact bodies in the mid-static pressure range.

Indoor unit		50/60/71E	100/125/140E
Height	(mm)	245	
Width	(mm)	1,000	1,400
Depth	(mm)	800	

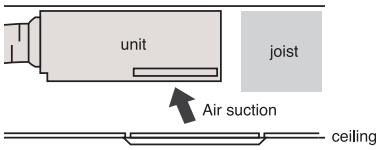
- **Higher lift is realized by utilising built-in DC drain pump with standard accessory**



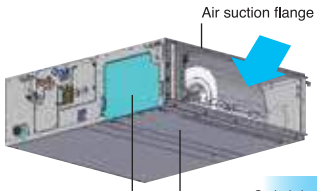
Middle & High static pressure type (FBQ-D series)
700mm

- **Bottom suction is available**

Wiring and servicing can be done from the underside of the unit (an option part required).

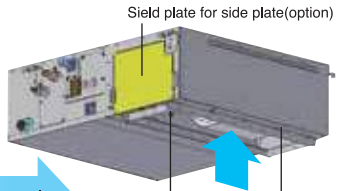


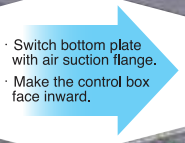
Rear suction

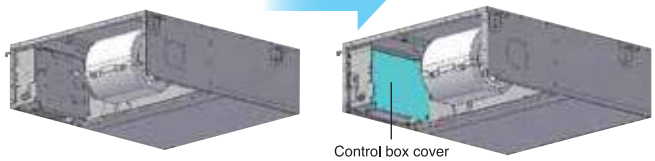


Control box faces outward.

Bottom suction







Control box faces inward.

- **Using a DC fan motor, the external static pressure can be controlled to within a range of 50 Pa to 150 Pa**

Adjustable external static pressure

50 Pa ⟷ **150 Pa**

Set to low static pressure when ducts are short.

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

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

- **Airflow rate auto adjustment function**

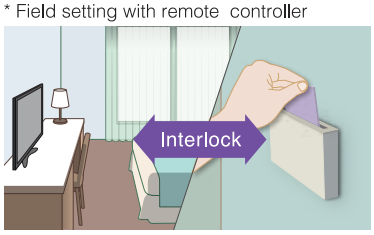
Controls the airflow rate using a remote controller during test run.
It is automatically adjusted to approximately ±10% of the rated H tap airflow.

- **Interlock control**

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

Using a 3rd-party building management system, air conditioning and lighting can be interlocked.

* Field setting with remote controller



- **DIII-NET communication standard**

Easier communication and connection with the centralised control system.

Comfort

Switchable fan speed:High/Middle/Low and Auto
("Auto" is applicable when BRC1E62 is used.)

Clean

Silver ion anti-bacterial drain pan

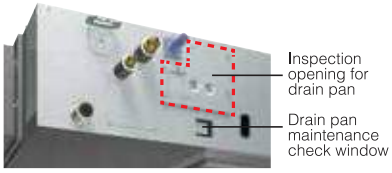
A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause smells and clogging.

Easy maintenance

- **Position of drain pan inspection opening has been modified for easier inspection work**

- **Drain pan maintenance check window**

This makes it possible to inspect for drain pan dirt and to confirm drainage during installation without the use of tools.



- **Easy maintenance because the drain pan can be removed**

High efficiency

DC fan motor and DC drain pump are utilised to improve energy efficiency

COMPACT OUTDOOR UNIT

RZR50MVM
RZR60MVM
RZR71MVM

RZR100MVM
RZR125MVM
RZR140MVM
RZR100MYM
RZR125MYM
RZR140MYM

Easy installation and maintenance

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

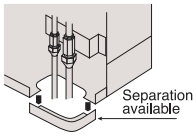
- **Long piping length**
  Allowed refrigerant piping length and level difference

	ALL model
Pre charged[1]	30 m
Max. length	50 m (Equivalent length 70m)
Max. level difference	30 m

Note : [1]Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

- **4-direction piping offers greater layout freedom** (RZR100-140 only)
  The outer panel for the piping connection part of the front, right side and backside can be removed and is easier for post-installation piping work.

- **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.
  * Pump-down function is available for pre-charged refrigerant amount.

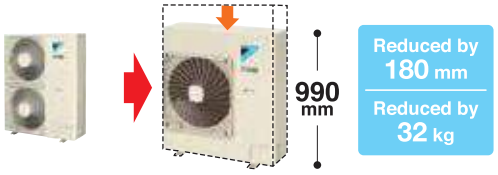
- **Low gas pressure detection function**
  Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

Compact and lightweight

Reduced installation work thanks to light, compact outdoor unit.

- **Comparison of outdoor units**

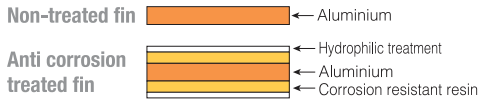
LVVM	NEW MVM
Height 1,170 mm	990 mm
Weight 97 kg	65 kg



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** (RZR50-71M)

Construction



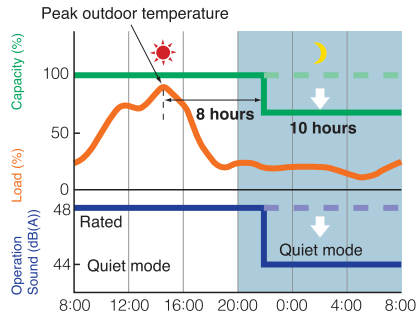
Night quiet operation mode

- **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[1] (dB(A))	
	Rated[2]	Night Quiet Mode
RZR50/60/71MVM	48	44
RZR100MVM/MYM	49	45
RZR125MVM/MYM	52	45
RZR140MVM/MYM	54	45

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

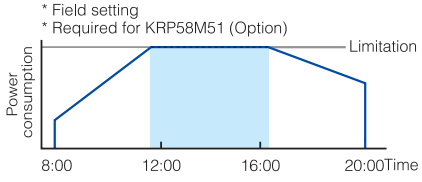


Note : Daikin date for RZR71MVM Operating sound about 4 dB quieter

Demand Control Function

- **By setting limits that restrict power consumption, you can cut electricity bills**
  Maximum power use is maintained within a set level of system capacity. This enables effective demand control while maintaining comfort. Maximum power consumption can be set at 40, 60, 70, 80, or 100%.

(RZR100-140 only)



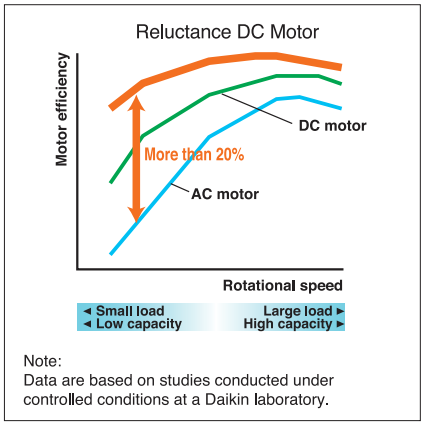
The high efficiency compressor to achieve a high COP

1 Compressor equiped with Reluctance DC motor

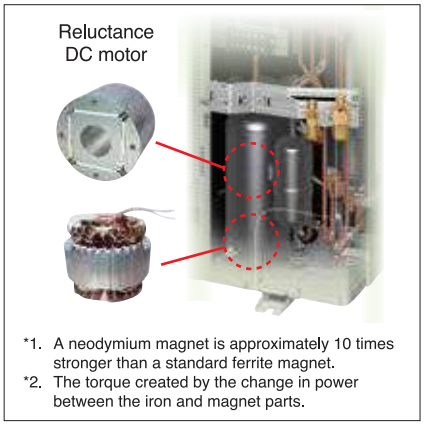
Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor.

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.

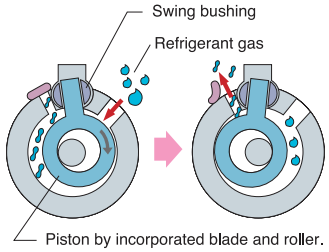


Note:
Data are based on studies conducted under controlled conditions at a Daikin laboratory.



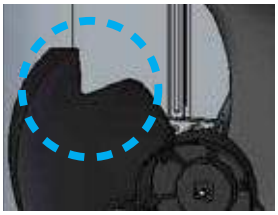
*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2. The torque created by the change in power between the iron and magnet parts.

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



2 Fan

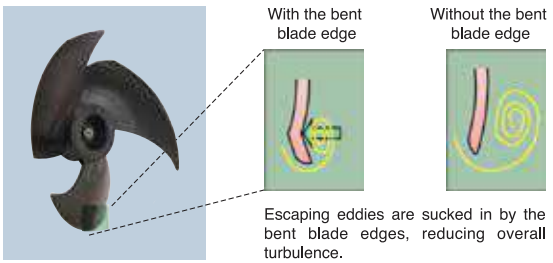
V-cut Propeller Fan (RZR50-71M)
Through use of a V-cut propeller fan that imitates the efficiency of the swan, a migratory bird, airflow becomes smooth and loss is reduced.



Φ550
V-cut propeller fan

Imitating the performance of the swan

Aero Spiral Fan (RZR100-140M)
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

REMOTE CONTROLLER
OPTIONAL ACCESSORY

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.

BRC1E62

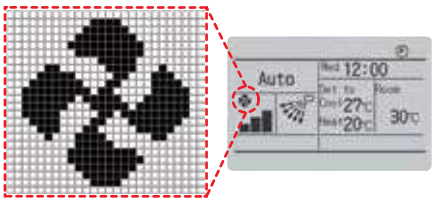
Navigation Remote Controller
(Wired LCD Remote Controller)

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

Clear Display

Dot matrix display

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



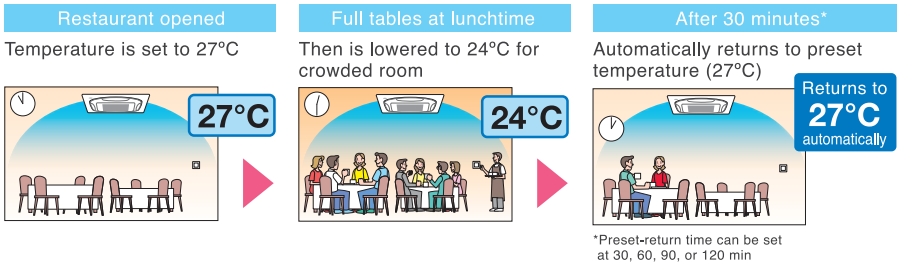
Backlight display

Energy Saving

Setpoint auto reset

- Even if the set temperature is changed, after a preset period new set temperature returns to preset value.
- Period selectable from 30, 60, 90, or 120 min.

Restaurant example



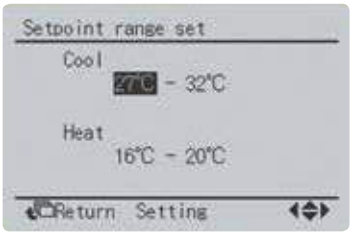
*Preset-return time can be set at 30, 60, 90, or 120 min

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 in10-minute increments.

Setpoint range set

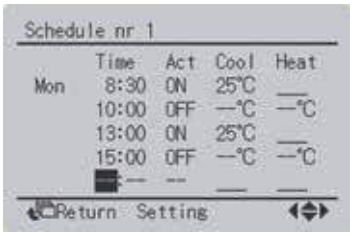
- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient if the remote controller is installed where anyone can change the settings.



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



Multilingual display

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

Wired LCD Remote Controller

BRC1C61

Easy to read because of large LCD screen.
- The rubber switch and the oil-resistant plastic casing are adopted for durability.
- Only 17 mm thick. Can be installed either recessed or exposed.

Wireless LCD Remote Controller

Wireless Remote Controller

Signal Receiver Unit (For Ceiling Cassette [Round Flow 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 cassette (round flow type).

Wired remote controller has built-in temperature-sensor

(Applies to wired remote controllers (BRC1C61/1E62)

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

Facilitates maintenance and repair

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling cassette (round flow 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.

Wireless remote controller for each indoor unit type

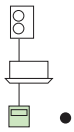
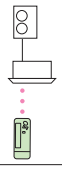
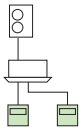
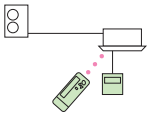
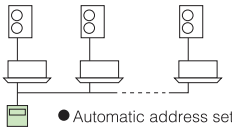
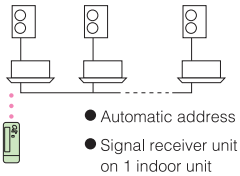
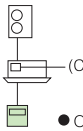
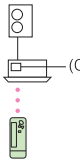
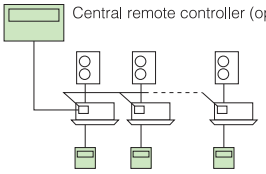
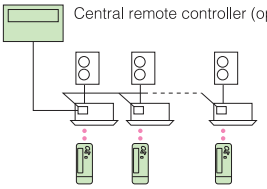
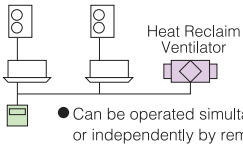
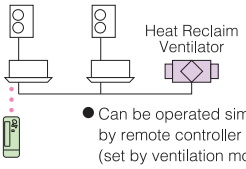
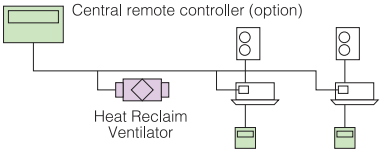
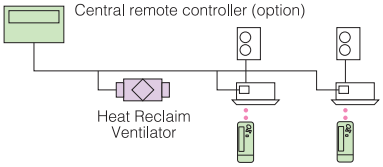
CEILING CASSETTE (ROUND FLOW TYPE)	BRC7F635F
CEILING EXPOSED TYPE	BRC7GA56
WALL MOUNTED TYPE	BRC7EB519
CEILING CONCEALED TYPE	BRC4C66

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

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

REMOTE CONTROLLER
OPTIONAL ACCESSORY

System variation to control multiple indoor units

	Control pattern	Wired remote controller	Wireless remote controller
Control By 1 Remote Controller	(Basic system)	 ● 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.	 ● 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.	 ● 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.	 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: [1]BRC1E62 can connect to BRC1E62 only. [2]It is not possible to use two wireless remote controllers. [3]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 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

		CEILING CASSETTE TYPE	CEILING EXPOSED TYPE	CEILING CONCEALED TYPE
				
	INDOOR UNIT	FFR10/15CV1	FLR15EV1L/M	FDMR10/15CV1M
	OUTDOOR UNIT	RR10/15DV1	RR15DV1	RR10/15DV1
Comfort	Auto swing	●	●	
	Swing pattern selection	●		
	DC fan motor (Indoor unit)	●	●	●
	Switchable fan speed	●	●	●
	Auto airflow rate	●	●	●
	Programme “Dry”	●	●	●
Remote Controller	Real time timer, 7 days option, 2 events daily	● *1	● *1	● *1
	On/Off timer	●	●	●
Cleanliness	Saranet filter	●	●	● *2
	Drain pan	●	●	●
Work & servicing	Drain pump mechanism	●		
	Pre-charged for up to 7.5m	●	●	●
	Self-diagnosis function	●	●	●
Control features	Auto-restart	●	●	●
Others	High efficiency hydrophilic indoor fin	●	●	●
	Anti corrosion treated heat exchangers	● *2	● *2	● *2

Note: *1 : Applicable when DSLM8 is used
*2 : Option

Functions Overview

		WALL MOUNTED TYPE	CEILING CASSETTE TYPE	CEILING EXPOSED TYPE	CEILING CONCEALED TYPE
					
	INDOOR UNIT	FAQ100CVEA	FCQ50-140KAVEA	FHQ50-140DAVMA	FBQ50-140EVE
	OUTDOOR UNIT	RZR100MVM RZR100MYM	RZR50-140MVM RZR100-140MYM	RZR50-140MVM RZR100-140MYM	RZR50-140MVM RZR100-140MYM
Comfort	Auto swing	●	●	●	
	Swing pattern selection		●		
	DC fan motor (Indoor unit)	●	●	●	●
	Switchable fan speed	● 3 step	● 3 step	● 3 step	● 3 step
	Auto airflow rate	● *3			● *3
	High fan speed mode	●			
	Programme “Dry”	●	●	●	●
	High ceiling application		●	● *5	
	Two selectable temperature-sensors *1	●	●	●	●
	Night quiet operation *2	●	●	●	●
Remote Controller	Setpoint auto reset *3	●	●	●	●
	Setpoint range set *3	●	●	●	●
	Weekly schedule timer *3	●	●	●	●
	Off timer (programmed) *3	●	●	●	●
	On/Off timer *4	●	●	●	●
Cleanliness	Anti-bacterial air filter		●	●	● *6
	Mould-proof air filter	●			
	Silver ion anti-bacterial drain pan		●		●
Work & servicing	Drain pump mechanism	● *6	●	● *6	●
	Pre-charged for up to 30 m *2	●	●	●	●
	Long-life filter		●	●	● *6
	Filter sign	●	●	●	●
	Ceiling soiling prevention		●		
	Low gas pressure detection *2	●	●	●	●
	Emergency operation	●	●	●	●
	Self-diagnosis function	●	●	●	●
Control features	Auto-restart	●	●	●	●
	Control by 2 remote controllers	●	●	●	●
	Group control by 1 remote controller	●	●	●	●
	External command control	● *6	● *6	● *6	● *6
	Central remote control	●	●	●	●
	Interlock control with Heat Reclaim Ventilator	●	●	●	●
	DIII-NET communication standard	●	●	●	●
Options	High-efficiency filter		●		●
	Ultra long-life filter		●		
	Fresh air intake kit		●	●	
Others	Anti corrosion treated heat exchangers *2		● *7	● *7	● *7

Note: *1 : Applicable when wired remote controller is used
*2 : For outdoor units
*3 : Applicable when BRC1E62 is used
*4 : Applicable when BRC1C61 is used
*5 : Installable on max. 3.5 m(50-71) and 4.3 m (100-140) high ceiling
*6 : Option
*7 : RZR50-71 only

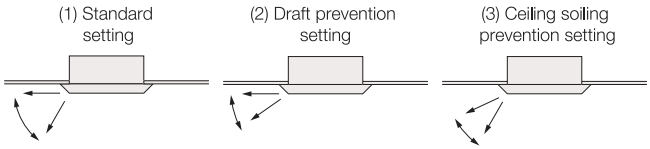
Abundance of functions that provide comfortable air-conditioning in stores and offices.

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
You can freely set air discharge settings by remote controller.



Independent up-and-down airflow
Independently adjust (manually) the eight horizontal blade louvers in both up and down directions to achieve an airflow that reduces uneven room temperature.

DC fan motor (indoor unit)
DC fan motor improves efficiency.

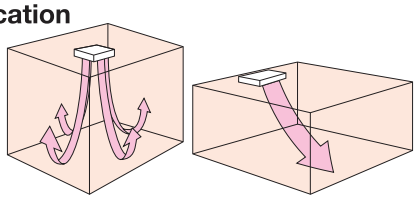
Switchable fan speed
High setting provides maximum reach while low setting minimises drafts.

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

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

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

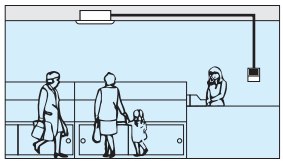
High-ceiling application
Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.



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

Two selectable temperature-sensors
Temperature-sensors are included in the indoor unit and optional wired remote controller. Temperature sensing closer to target area is possible to further increase the comfort level.

Use the temperature-sensor in the indoor unit when controlling air conditioning from another room.



Note: Wireless remote controllers have no temperature-sensor.

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, after a preset period new set temperature returns to preset value.

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

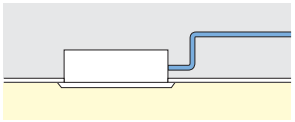
Anti-bacterial air filter
The air filter has an anti-bacterial treatment to help prevent the growth of bacteria and mould on it.

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

*Applicable to RZR series. RKS/RXS series: 10m

Long-life filter
Maintenance is not required for one year*.
The filter is washable and can be reused.

* For dust concentration of 0.15mg/m^3

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
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 quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.

Control features

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

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

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

Group control by 1 remote controller
You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

External command control
Operation and 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^3

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.

WALL MOUNTED

Capacity	**hp[4]**		**4.0**	**4.0**
	kW[4]		**100**	**100**
Model	**Indoor**		**FAQ100CVEA**	**FAQ100CVEA**
	Outdoor		**RZR100MVM**	**RZR100MYM**
Rated Cooling Capacity (Min-Max)		**Btu/hr**	34,100 (17,100-38,200)	
		kW	10.0 (5.0-11.2)	
Power Consumption		**kW**	3.37	
COP		**W/W**	2.97	
CSPF		**Wh/Wh**	4.01	
Refrigerant		**Type**	R410A	
Air Flow Rate (H/M/L)		**CFM**	918/812/671	
Power Source	**Outdoor**	**V/Ph/Hz**	220-240/1/50	380-415/3/50
Sound Pressure Level	**Indoor (H/M/L)**	**dBA**	49/45/41	
	Outdoor	**dBA**	49	
Dimension (H X W X D)	**Indoor**	**mm**	340x1,200x240	
	Outdoor	**mm**	990x940x320	
Unit Weight	**Indoor**	**kg**	17	
	Outdoor	**kg**	65	73
Outdoor Coil Type			Micro Channel	
Copper Pipe Size	**Liquid**	**mm/in**	9.52 / 3/8	
	Gas	**mm/in**	15.88 / 5/8	
Max. Interunit Piping Length		**m**	50 (Equivalent length 70)	
Max. Installation Level Difference		**m**	30	
Heat Insulation			Both liquid and gas piping	

NOTE :
1. DUE TO PRODUCT INNOVATION, ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2. NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
   COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR.
3. SOUND PRESSURE LEVELS ARE MEASURED IN ANECHOIC CHAMBER. DURING ACTUAL OPERATION, SOUND PRESSURE LEVEL WILL HIGHER AS A RESULT OF ROOM SPECIFICATION CONDITION.
4. CAPACITY (hp) AND (kW) ARE FOR EASE OF REFERENCE ONLY.

SPECIFICATIONS

CEILING CASSETTE (4 way flow)

Capacity	**hp[5]**		**1.0**	**1.5**
	kW[5]		**25**	**35**
Model	**Indoor**		**FFR10CV1**	**FFR15CV1**
	Outdoor		**RR10DV1**	**RR15DV1**
Rated Cooling Capacity (Min-Max)		**Btu/hr**	9,500 (3,650-12,000)	12,500 (4,800-14,000)
		W	2,780 (1,070-3520)	3,660 (1,410-4,100)
Power Consumption (Min-Max)		**W**	770 (300-1,202)	940 (343-1,230)
COP		**W/W**	3.61	3.89
Refrigerant		**Type**	R410A	
Air Flow Rate (H/M/L)		**CFM**	400/390/370	410/390/360
Power Source	**Indoor**	**V/Ph/Hz**	220-240/1/50	
Sound Pressure Level	**Indoor (H/M/L)**	**dBA**	44/41/38	45/42/38
	Outdoor	**dBA**	48	
Dimension (With Panel) (H X W X D)	**Indoor**	**mm**	250x570x570 (295x640x640)	
	Outdoor	**mm**	550x765x285	
Unit Weight	**Indoor+Panel**	**kg**	16+2	
	Outdoor	**kg**	31	33
Outdoor Coil Type			Cross Fin Coil	
Copper Pipe Size	**Liquid**	**mm/in**	6.35 / 1/4	
	Gas	**mm/in**	9.52 / 3/8	12.7 / 1/2
Max. Interunit Piping Length		**m**	15	
Max. Installation Level Difference		**m**	10	
Heat Insulation			Both liquid and gas piping	

NOTE :
1. DUE TO PRODUCT INNOVATION, ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2. ALL UNITS ARE BEING TESTED AND COMPLY TO INTERNATIONAL STANDARD ISO5151.
3. NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
   COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR.
4. SOUND PRESSURE LEVELS ARE MEASURED IN ANECHOIC CHAMBER. DURING ACTUAL OPERATION, SOUND PRESSURE LEVEL WILL HIGHER AS A RESULT OF ROOM SPECIFICATION CONDITION.
5. CAPACITY (hp) AND (kW) ARE FOR EASE OF REFERENCE ONLY.

CEILING CASSETTE (round flow)

Capacity	**hp[4]**		**2.0**	**2.5**	**3.0**	**4.0**	**5.0**	**6.0**	**4.0**	**5.0**	**6.0**
	kW[4]		**50**	**60**	**71**	**100**	**125**	**140**	**100**	**125**	**140**
Model	**Indoor**		**FCQ50KAVEA**	**FCQ60KAVEA**	**FCQ71KAVEA**	**FCQ100KAVEA**	**FCQ125KAVEA**	**FCQ140KAVEA**	**FCQ100KAVEA**	**FCQ125KAVEA**	**FCQ140KAVEA**
	Outdoor		**RZR50MVM**	**RZR60MVM**	**RZR71MVM**	**RZR100MVM**	**RZR125MVM**	**RZR140MVM**	**RZR100MYM**	**RZR125MYM**	**RZR140MYM**
Rated Cooling Capacity (Min-Max)		**Btu/hr**	17,100 (7,900-19,100)	20,500 (8,900-21,500)	24,200 (10,900-27,300)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	47,800 (21,200-52,600)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	47,800 (21,200-52,600)
		kW	5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)
Power Consumption		**kW**	1.24	1.58	1.99	2.78	4.31	5.62	2.78	4.31	5.62
COP		**W/W**	4.03	3.80	3.57	3.60	2.90	2.49	3.60	2.90	2.49
CSPF		**Wh/Wh**	6.47	6.19	5.99	5.13	5.00	4.85	5.13	5.00	4.85
Refrigerant		**Type**	R410A								
Air Flow Rate (H/M/L)		**CFM**	741/618/477			1,130/918/706	1,165/988/794		1,130/918/706	1,165/988/794	
Power Source	**Outdoor**	**V/Ph/Hz**	220-240/1/50						380-415/3/50		
Sound Pressure Level	**Indoor (H/M/L)**	**dBA**	35/31.5/28			43/37.5/32	44/39/34	44/40/36	43/37.5/32	44/39/34	44/40/36
	Outdoor	**dBA**	48			49	52	54	49	52	54
Dimension (With Panel) (H X W X D)	**Indoor**	**mm**	256x840x840 (296x950x950)			298x840x840 (338x950x950)					
	Outdoor	**mm**	595x845x300			990x940x320					
Unit Weight	**Indoor+Panel**	**kg**	21+5.5			24+5.5					
	Outdoor	**kg**	43			65			73		
Outdoor Coil Type			Hydrophilic Cross Fin Coil			Micro Channel					
Copper Pipe Size	**Liquid**	**mm/in**	9.52 / 3/8								
	Gas	**mm/in**	15.88 / 5/8								
Max. Interunit Piping Length		**m**	50 (Equivalent length 70)								
Max. Installation Level Difference		**m**	30								
Heat Insulation			Both liquid and gas piping								

NOTE :
1. DUE TO PRODUCT INNOVATION, ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2. NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
   COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR.
3. SOUND PRESSURE LEVELS ARE MEASURED IN ANECHOIC CHAMBER. DURING ACTUAL OPERATION, SOUND PRESSURE LEVEL WILL HIGHER AS A RESULT OF ROOM SPECIFICATION CONDITION.
4. CAPACITY (hp) AND (kW) ARE FOR EASE OF REFERENCE ONLY.

CEILING EXPOSED

Capacity	**hp[5]**		**1.5**
	kW[5]		**35**
Model	**Indoor**	**Wireless**	**FLR15EV1L**
		Wired	**FLR15EV1M**
	Outdoor		**RR15DV1**
Rated Cooling Capacity (Min-Max)		**Btu/hr**	12,500 (5,400-14,000)
		W	3,660 (1,580-4,100)
Total Power (Min-Max)		**W**	910 (374-1,252)
COP		**W/W**	4.02
Refrigerant		**Type**	R410A
Air Flow Rate (H/M/L)		**CFM**	508/386/350
Power Source	**Indoor**	**V/Ph/Hz**	220-240/1/50
Sound Pressure Level	**Indoor (H/M/L)**	**dBA**	46/38/35
	Outdoor	**dBA**	48
Dimension (H X W X D)	**Indoor**	**mm**	218x1,080x630
	Outdoor	**mm**	550x765x285
Unit Weight	**Indoor**	**kg**	24
	Outdoor	**kg**	33
Outdoor Coil Type			Cross Fin Coil
Copper Pipe Size	**Liquid**	**mm/in**	6.35 / 1/4
	Gas	**mm/in**	12.7 /1/2
Max. Interunit Piping Length		**m**	15
Max. Installation Level Difference		**m**	10
Heat Insulation			Both liquid and gas piping

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2. ALL UNITS ARE BEING TESTED AND COMPLY TO INTERNATIONAL STANDARD ISO5151.
3. NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
   COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR.
4. SOUND PRESSURE LEVELS ARE MEASURED IN ANECHOIC CHAMBER. DURING ACTUAL OPERATION, SOUND PRESSURE LEVEL WILL HIGHER AS A RESULT OF ROOM SPECIFICATION CONDITION.
5. CAPACITY (hp) AND (kW) ARE FOR EASE OF REFERENCE ONLY.

CEILING EXPOSED

Capacity	**hp[4]**		**2.0**	**2.5**	**3.0**	**4.0**	**5.0**	**6.0**	**4.0**	**5.0**	**6.0**
	kW[4]		**50**	**60**	**71**	**100**	**125**	**140**	**100**	**125**	**140**
Model	**Indoor**		**FHQ50DAVMA**	**FHQ60DAVMA**	**FHQ71DAVMA**	**FHQ100DAVMA**	**FHQ125DAVMA**	**FHQ140DAVMA**	**FHQ100DAVMA**	**FHQ125DAVMA**	**FHQ140DAVMA**
	Outdoor		**RZR50MVM**	**RZR60MVM**	**RZR71MVM**	**RZR100MVM**	**RZR125MVM**	**RZR140MVM**	**RZR100MYM**	**RZR125MYM**	**RZR140MYM**
Rated Cooling Capacity (Min-Max)		**Btu/hr**	17,100 (7,900-19,100)	20,500 (8,900-21,500)	24,200 (10,900-27,300)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	47,800 (21,200-52,600)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	47,800 (21,200-52,600)
		kW	5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)
Power Consumption		**kW**	1.24	1.58	2.37	3.03	4.42	5.55	3.03	4.42	5.55
COP		**W/W**	4.03	3.80	3.00	3.30	2.83	2.52	3.30	2.83	2.52
CSPF		**Wh/Wh**	6.18	5.99	5.74	5.01	4.99	4.69	5.01	4.99	4.69
Refrigerant		**Type**	R410A								
Air Flow Rate (H/M/L)		**CFM**	530/424/353		724/600/494	988/847/706	1,094/953/812	1,200/1,024/847	988/847/706	1,094/953/812	1,200/1,024/847
Power Source	**Outdoor**	**V/Ph/Hz**	220-240/1/50						380-415/3/50		
Sound Pressure Level	**Indoor (H/M/L)**	**dBA**	37/35/32		38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38
	Outdoor	**dBA**	48			49	52	54	49	52	54
Dimension (H X W X D)	**Indoor**	**mm**	235x960x690		235x1,270x690	235x1,590x690					
	Outdoor	**mm**	595x845x300			990x940x320					
Unit Weight	**Indoor**	**kg**	25		32	38					
	Outdoor	**kg**	43			65			73		
Outdoor Coil Type			Hydrophilic Cross Fin Coil			Micro Channel					
Copper Pipe Size	**Liquid**	**mm/in**	9.52 / 3/8								
	Gas	**mm/in**	15.88 / 5/8								
Max. Interunit Piping Length		**m**	50 (Equivalent length 70)								
Max. Installation Level Difference		**m**	30								
Heat Insulation			Both liquid and gas piping								

1. DUE TO PRODUCT INNOVATION, ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2. NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
   COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR.
3. SOUND PRESSURE LEVELS ARE MEASURED IN ANECHOIC CHAMBER. DURING ACTUAL OPERATION, SOUND PRESSURE LEVEL WILL HIGHER AS A RESULT OF ROOM SPECIFICATION CONDITION.
4. CAPACITY (hp) AND (kW) ARE FOR EASE OF REFERENCE ONLY.

CEILING CONCEALED

Capacity	hp[5]		1.0	1.5
	kW[5]		25	35
Model	Indoor		FDMR10CV1M	FDMR15CV1M
	Outdoor		RR10DV1	RR15DV1
Rated Cooling Capacity (Min-Max)		Btu/hr	9,200 (4,100-10,500)	12,500 (4,600-14,000)
		W	2,700 (1,200-3,080)	3,660 (1,350-4,100)
Total Power (Min-Max)		W	794 (338-1,230)	1,109 (432-1,270)
COP		W/W	3.40	3.30
Refrigerant		Type	R410A	
Air Flow Rate (H/M/L)		CFM	340/327/290	410/360/320
Power Source	Indoor	V/Ph/Hz	220-240/1/50	
Sound Pressure Level	Indoor (H/M/L)	dBA	35/32/26	37/34/29
	Outdoor	dBA	48	
Dimension (H X W X D)	Indoor	mm	261x905x411	
	Outdoor	mm	550x765x285	
Unit Weight	Indoor	kg	21	
	Outdoor	kg	31	33
Outdoor Coil Type			Cross Fin Coil	
Copper Pipe Size	Liquid	mm/in	6.35 / 1/4	
	Gas	mm/in	9.52 / 3/8	12.7 / 1/2
Max. Interunit Piping Length		m	15	
Max. Installation Level Difference		m	10	
Heat Insulation			Both liquid and gas piping	

1. DUE TO PRODUCT INNOVATION, ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2. ALL UNITS ARE BEING TESTED AND COMPLY TO INTERNATIONAL STANDARD ISO13253.
3. NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
   COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR.
4. SOUND PRESSURE LEVELS ARE MEASURED IN ANECHOIC CHAMBER. DURING ACTUAL OPERATION, SOUND PRESSURE LEVEL WILL HIGHER AS A RESULT OF ROOM SPECIFICATION CONDITION.
5. CAPACITY (hp) AND (kW) ARE FOR EASE OF REFERENCE ONLY.

CEILING CONCEALED

Capacity	hp[4]		2.0	2.5	3.0	4.0	5.0	6.0	4.0	5.0	6.0
	kW[4]		50	60	71	100	125	140	100	125	140
Model	Indoor		FBQ50EVE	FBQ60EVE	FBQ71EVE	FBQ100EVE	FBQ125EVE	FBQ140EVE	FBQ100EVE	FBQ125EVE	FBQ140EVE
	Outdoor		RZR50MVM	RZR60MVM	RZR71MVM	RZR100MVM	RZR125MVM	RZR140MVM	RZR100MYM	RZR125MYM	RZR140MYM
Rated Cooling Capacity (Min-Max)		Btu/hr	17,100 (7,900-19,100)	20,500 (8,900-21,500)	24,200 (10,900-27,300)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	47,800 (21,200-52,600)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	47,800 (21,200-52,600)
		kW	5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)
Power Consumption		kW	1.39	1.69	2.22	2.82	4.58	5.85	2.82	4.58	5.85
COP		W/W	3.60	3.56	3.20	3.55	2.73	2.39	3.55	2.73	2.39
CSPF		Wh/Wh	5.40	5.20	5.04	4.73	4.61	4.38	4.73	4.61	4.38
Refrigerant		Type	R410A								
Air Flow Rate (H/M/L)		CFM	635/530/441		812/688/565	1,130/953/794	1,271/1,077/883		1,130/953/794	1,271/1,077/883	
External Static Pressure		Pa	Rated 50 (50-150)								
Power Source	Indooor	V/Ph/Hz	220-240/1/50								
	Outdoor	V/Ph/Hz	220-240/1/50						380-415/3/50		
Sound Pressure Level	Indoor (H/M/L)	dBA	35/33/31		38/35/33	38/35.5/33	40/37.5/35		38/35.5/33	40/37.5/35	
	Outdoor	dBA	48			49	52	54	49	52	54
Dimension (H X W X D)	Indoor	mm	245x1,000x800			245x1,400x800					
	Outdoor	mm	595x845x300			990x940x320					
Unit Weight	Indoor	kg	37			47					
	Outdoor	kg	43			65			73		
Outdoor Coil Type			Hydrophilic Cross Fin Coil			Micro Channel					
Copper Pipe Size	Liquid	mm/in	9.52 / 3/8								
	Gas	mm/in	15.88 / 5/8								
Max. Interunit Piping Length		m	50 (Equivalent length 70)								
Max. Installation Level Difference		m	30								
Heat Insulation			Both liquid and gas piping								

1. DUE TO PRODUCT INNOVATION, ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2. NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
   COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR.
3. SOUND PRESSURE LEVELS ARE MEASURED IN ANECHOIC CHAMBER. DURING ACTUAL OPERATION, SOUND PRESSURE LEVEL WILL HIGHER AS A RESULT OF ROOM SPECIFICATION CONDITION.
4. CAPACITY (hp) AND (kW) ARE FOR EASE OF REFERENCE ONLY.

INDOOR UNIT

WALL MOUNTED

Name of option	Remark		KIT NAME
			FAQ100CVEA
Drain-Up Kit			K-KDU572EVE
Remote Controller	Wireless Type	Cooling Only	BRC7EB519
	Wired Type[1]		BRC1C61
Navigation Remote Controller	Wired Type[1]		BRC1E62
Remote Sensor (For Indoor Temperature)			KRCS01-4B
Central Remote Controller[2]			DCS302CA61
Unified ON/OFF Controller[2]			DCS301BA61
Schedule Timer[2]			DST301BA61
Intelligent Touch Controller[2]			DCS601C51
Wiring Adaptor For Electrical Appendices[3]			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: [1]Wiring for wired remote controller to be procured locally.
[2]The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[3]Installation box for adaptor PCB (KRP4AA93) is necessary.

CEILING CASSETTE

Name Of Option		Remark		KIT NAME					
				FCQ50KAVEA	FCQ60KAVEA	FCQ71KAVEA	FCQ100KAVEA	FCQ125KAVEA	FCQ140KAVEA
Decoration Panel				BYCP125K-W1					
Sealing Material Of Air Discharge Outlet				KDBH55K160F					
Panel Spacer				KDBP55H160FA					
Fresh Air Intake Kit[1]	Chamber Type	Without T-Duct Joint		KDDP55B160					
		With T-Duct Joint		KDDP55B160K					
	Direct Installation Type			KDDP55X160					
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					
Replacement Long-Life Filter				KAFP551K160					
Ultra Long-Life Filter Unit (Including Filter Chamber)				KAFP55B160					
Replacement Ultra Long-Life Filter				KAFP55H160H					
Branch Duct Chamber				KDJP55B80			KDJP55B160		
Chamber Connection Kit[2]				KKSJ55KA160					
Insulation Kit For High Humidity				KDTP55K80			KDTP55K160		
Remote Controller		Wireless Type	Cooling Only	BRC7F635F					
		Wired Type[3]		BRC1C61					
Navigation Remote Controller		Wired Type[3]		BRC1E62					
Central Remote Controller[4]				DCS302CA61					
Unified ON/OFF Controller[4]				DCS301BA61					
Schedule Timer[4]				DST301BA61					
intelligent Touch Controller[4]				DCS601C51					
Adaptor For Wiring[5]				KRP1C63					
Wiring Adaptor For Electrical Appendices(2)[5]				KRP4AA53					
Installation Box For Adaptor PCB				KRP1H98					
Remote Sensor (For Indoor Temperature)				KRCS01-4B					

Note: [1]Refer to page 20 for the details.
[2]Required for installing high-efficiency filter unit and ultra long-life filter unit.
[3]Wiring for wired remote controller to be procured locally.
[4]The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[5]Installation box for adaptor PCB (KRP1H98) is necessary.

Round Flow Type: List Of Optional Parts Required To Achieve Different Flow Patterns

For each flow pattern – all round, 4-way, 3-way, 2-way, branch duct connection – the compatibility of each independently installed option (shown in the column on the left) to accessory options (listed across the top of each table) is shown in the cells where the relevant row and column intersect.

A circle (o) indicates compatibility, and a cross (x) indicates incompatibility. Any options not shown below are not suitable for independent or accessory installation.

ALL ROUND FLOW 4-WAY FLOW

Optional accessory parts / Independently installable optional parts		Panel Spacer[1]	Wireless Remote Controller	Fresh Air Intake Kit (Chamber Type)[1,2]	Fresh Air Intake Kit Direct Installation Type	Insulation Kit For High Humidity	High-efficiency Filter Unit[2]	Ultra-long-life Filter Unit[2]
Panel/grille Related	Panel Spacer[1]		O	O	O	X	O	O
Operation Control Related	Wireless Remote Controller	O		O	O	O	O	O
Auxillary Function Related	Fresh Air Intake Kit (Chamber Type)[1,2]	O	O		X	X	O	O
	Fresh Air Intake Kit (Direct Installation Type)	O	O	X		O	O	O
	Insulation Kit For High Humidity	X	O	X	O		X	X
Filter Related	High-efficiency Filter Unit[2]	O	O	O	O	X		X
	Ultra-long-life Filter Unit[2]	O	O	O	O	X	X	

3-WAY FLOW 2-WAY FLOW

Optional Accessory Parts / Independently Installable Optional Parts		Panel Spacer[1]	Wireless Remote Controller	Fresh Air Intake Kit (Chamber Type)[1,2]	Fresh Air Intake Kit (Direct Installation Type)	Insulation Kit For High Humidity	High-efficiency Filter Unit[2]	Ultra-long-life Filter Unit[2]
Panel/grille Related	Panel Spacer[1]		O[3]	O[3]	O[3]	X	X	O[3]
Operation Control Related	Wireless Remote Controller	O[3]		O	O	O	X	O
Auxillary Function Related	Fresh Air Intake Kit (Chamber Type)[1,2]	O[3]	O		X	X	X	O
	Fresh Air Intake Kit (Direct Installation Type)	O[3]	O	X		O	X	O
	Insulation Kit For High Humidity	X	O	X	O		X	X
Filter Related	Ultra-long-life Filter Unit[2]	O[3]	O	O	O	X	X	

BRANCH DUCT CONNECTION

Optional Accessory Parts / Independently Installable Optional Parts		Panel Spacer[1]	Wireless Remote Controller	Fresh Air Intake Kit (Chamber Type)[1,2]	Fresh Air Intake Kit (Direct Installation Type)	Insulation Kit For High Humidity	High-efficiency Filter Unit[2]	Ultra-long-life Filter Unit[2]
Branch Duct Chamber [1] (Round Duct Type)	1-way Branch / Unit 3-way Flow	O	O	O	O[4]	X	X	O
	2-way Branch / Unit 2-way Flow	X	O	O	O[4]	X	X	O
	1-way Branch / Unit 2-way Flow	X	O	O	O[4]	X	X	O

Note: [1]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.
[2]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.
[3]It is not possible to use panel spacers in a 2-way flow installation.
[4]It is not possible to install a branch duct on the same side to which a fresh air intake kit (direct mount) is installed.

CEILING EXPOSED

Name Of Option	Remark		KIT NAME					
			FHQ50DAVMA	FHQ60DAVMA	FHQ71DAVMA	FHQ100DAVMA	FHQ125DAVMA	FHQ140DAVMA
Replacement Long-life Filter	Resin Net		KAF501B56		KAF501B80		KAF501B160	
Fresh Air Intake Kit			KDDQ50A140					
Drain Pump Kit			KDU50P140VE					
L-type Piping Kit (For Upward Direction)			KHFP5N160					
Remote Controller	Wireless Type	Cooling Only	BRC7GA56					
	Wired Type[1]		BRC1C61					
Navigation Remote Controller	Wired Type[1]		BRC1E62					
Central Remote Controller			DCS302CA61					
Unified ON/OFF Controller			DCS301BA61					
Schedule Timer			DST301BA61					
Intelligent Touch Controller[2]			DCS601C51					
Wiring Adaptor For Electrical Appendices			KRP1BA54					
Wiring Adaptor For Electrical Appendices[3]			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: [1]Wiring for wired remote controller to be procured locally.
[2]The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[3]Installation box for adaptor PCB(KRP1D93A) is necessary.

CEILING CONCEALED

Name of option	Remark		KIT NAME					
			FBQ50EVE	FBQ60EVE	FBQ71EVE	FBQ100EVE	FBQ125EVE	FBQ140EVE
High-efficiency Filter[1]	65%		KAFP632B80			KAFP632B160		
	90%		KAFP633B80			KAFP633B160		
Filter Chamber(For Rear Suction)[1]			KDDFP63B80			KDDFP63B160		
Long-life Filter[1]			KAFP631B80			KAFP631B160		
Service Panel	White		KTBJ25K80W			KTBJ25K160W		
	Fresh White		KTBJ25K80F			KTBJ25K160F		
	Brown		KTBJ25K80T			KTBJ25K160T		
Air Discharge Adaptor			KDAP25A71A			KDAP25A140A		
Shield Plate For Side Plate			KDBD63A160					
Remote Controller	Wireless Type	Cooling Only	BRC4C66					
	Wired Type[2]		BRC1C61					
Navigation Remote Controller	Wired Type[2]		BRC1E62					
Adaptor For Wiring			KRP1C64 ★					
Wiring Adaptor For Electrical Appendices(2)			KRP4AA51 ★					
Remote Sensor			KRCS01-4B					
Mounting Plate For Adaptor PCB.[3,4,5]			KRP4A98					
Central Remote Controller[6]			DCS302CA61					
Unified ON/OFF Controller[6]			DCS301BA61					
Schedule Timer[6]			DST301BA61					
Intelligent Touch Controller[6]			DCS601C51					

Note: [1]If installing high efficiency filter and long-life filter to the unit, filter chamber is required.
[2]Wiring for wired remote controller to be procured locally.
[3]Mounting plate is necessary for each adaptor marked ★.
[4]Up to 2 adaptors can be fixed for each mounting plate.
[5]Only one mounting plate can be installed for each indoor unit.
[6]The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.

OUTDOOR UNIT

Name Of Option	KIT NAME		
	RZR50MVM RZR60MVM RZR71MVM	RZR100MVM RZR125MVM RZR140MVM	RZR100MYM RZR125MYM RZR140MYM
Central Drain Plug	KKP014A4	KKPJ5G280	
Fixture For Preventing Overturning	—	KKTP5B112	
Wire Fixture For Preventing Overturning	—		
Demand Adaptor	—	KRP58M51+EKMKSA1	KRP58M51

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