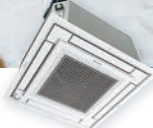


The "SkyAir" logo is centered in the upper half of the image. It is written in a large, blue, italicized sans-serif font. A red and white swoosh underline is positioned under the "Air" portion of the text.





Designed for use in shops, restaurants and small offices, Daikin SkyAir split systems provides a comfortable environment for building occupants all year round and offers building owners substantial operating efficiencies to help minimise operating costs.



### Ceiling Mounted Cassette Type <Round Flow>

Building on Daikin's signature Round Flow design to deliver greater comfort and energy efficiency.



### Compact Multi Flow Ceiling Mounted Cassette Type

The fully flat cassette is a remarkable blend of iconic design and engineering excellence.



### Ceiling Suspended Type

Ceiling suspended indoor units cool the largest spaces without compromising wall space.



### Wall Mounted Type

Sophisticated design delivers wide angle airflow and long throws for greater comfort.



### Duct Connection Middle Static Pressure Type

Compact form factor with powerful features for ultimate design flexibility.



# Designed for use in cafe and restaurants, retail shops and small offices.



Daikin's SkyAir series delivers superior comfort and energy performance for both occupants and building owners.



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**FCA-C(A)**

P.15

### CEILING MOUNTED CASSETTE TYPE <Round Flow>

Premium Inverter series			25	35	50	60	71	85	100	125	140
RZAV	CV1	1 phase, 220-240V, 50Hz			●	●	●	●			
	FV1							●	●	●	
	CY1	3 phase, 380-415V, 50Hz					●	●			
	FY1							●	●	●	

Inverter series			25	35	50	60	71	85	100	125	140
RZAC	CV1	1 phase, 220-240V, 50Hz					●	●	●	●	
	FV1									●	
	CY1	3 phase, 380-415V, 50Hz					●	●	●		
	FY1									●	



**FFA-A**

P.29

### COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

Inverter series			25	35	50	60	71	85	100	125	140
RZAC	EVM	1 phase, 220-240/220-230V, 50/60Hz	●	●	●	●	●				



**FTXC-A  
FAA-B**

P.33

### WALL MOUNTED TYPE

Premium Inverter series			25	35	50	60	71	85	100	125	140
RXC	AV1A	1 phase, 220-240V, 50Hz			●	●	●	●	●		
RZAV	CY1	3 phase, 380-415V, 50Hz					●	●	●		



**FBA-B(A)**

P.35

### DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

Premium Inverter series			25	35	50	60	71	85	100	125	140
RZAV	CV1	1 phase, 220-240V, 50Hz			●	●	●	●			
	FV1							●	●	●	
	CY1	3 phase, 380-415V, 50Hz					●	●			
	FY1							●	●	●	

Inverter series			25	35	50	60	71	85	100	125	140
RZAC	CV1	1 phase, 220-240V, 50Hz					●	●			
	CY1	3 phase, 380-415V, 50Hz						●			



**FHA-B(A)**

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### CEILING SUSPENDED TYPE

Premium Inverter series			25	35	50	60	71	85	100	125	140
RZAV	CV1	1 phase, 220-240V, 50Hz			●	●	●	●			
	FV1							●	●	●	
	CY1	3 phase, 380-415V, 50Hz					●	●			
	FY1							●	●	●	

### Outdoor unit



RZAC25/35EVM



RZAV50/60CV1  
RZAC71CV1



RXC50/60AV1A



RZAC50/60/71EVM



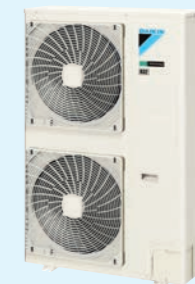
RZAV71/85CV1  
RZAV71/85CY1  
RZAC85/100/125CV1  
RZAC85/100/125CY1



RXC71/85AV1A



**NEW**  
RZAV100/125/140FV1  
RZAV100/125/140FY1  
RZAC140FV1  
RZAC140FY1



RXC100AV1A



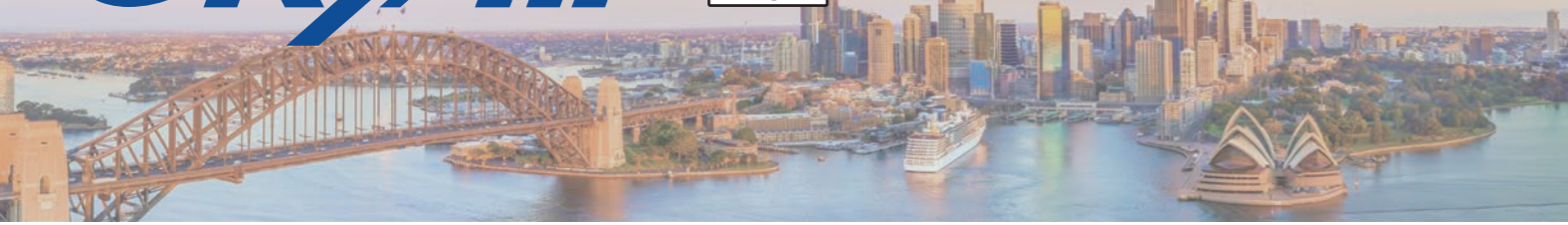
RZAV100CY1



# New Inverters launched

# SkyAir

R-32

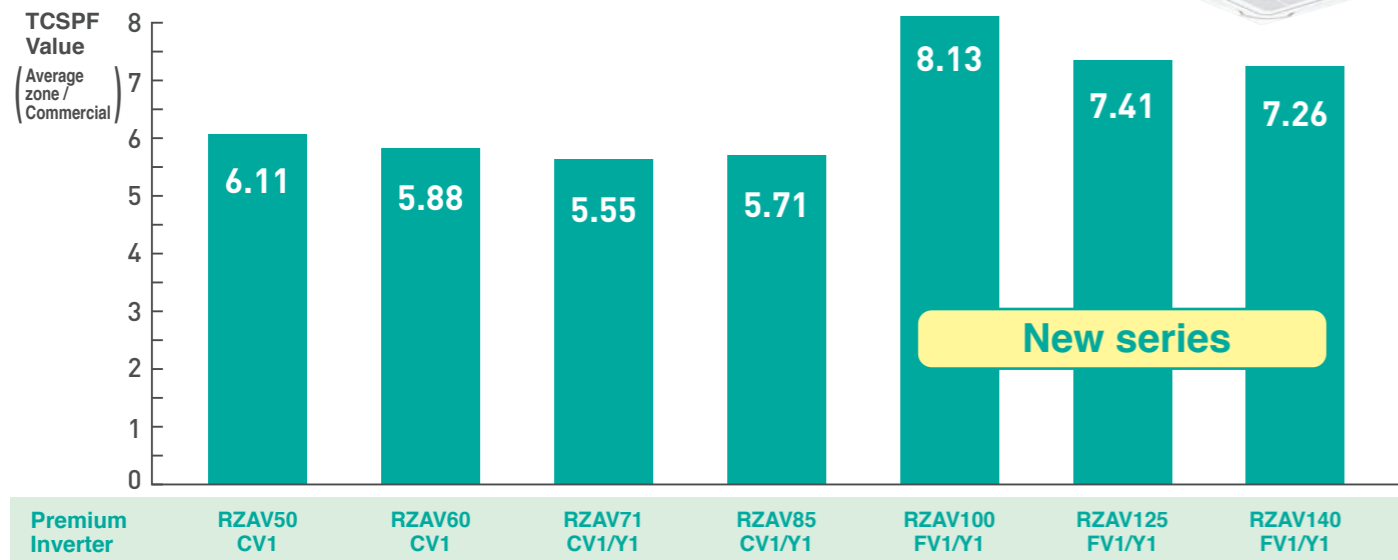


## Energy Saving

- ◆ New premium inverter series achieves high TCSPF with latest Daikin technology.

● TCSPF values by capacity for cassette models

Premium inverter RZAV-C / F series  
R-32 <cassette type>



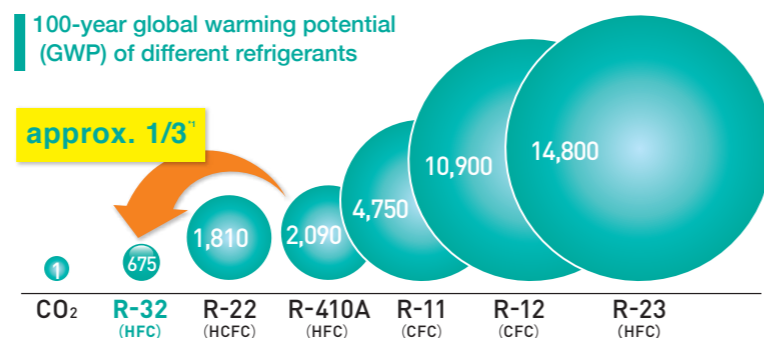
## R-32

- ◆ From R-410A to R-32, Another step towards lower global warming potential.

If you want a new HFC refrigerant with zero ozone depletion potential, which also has a lower global warming potential than R-410A, use R-32. Achieving new levels of energy efficiency while responding to environmental needs, Daikin has redesigned the SkyAir series from the ground up using R-32.

100-year global warming potential (GWP) of different refrigerants

approx. 1/3\*



\*1. Source: Values for 100-year global warming potential (GWP) from IPCC Fourth Assessment Report. Comparative 100-year GWP: HFC410A, 2,090; HFC32, 675.

## Durability

- ◆ High operation range up to 50°C (Premium Inverter series)

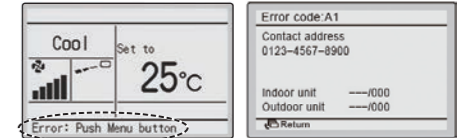
The outdoor operation range is now extended to 50°C. This enables reliable operation even under high temperature conditions, and wider choice of installation locations.



- ◆ 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 BRC1E63 is installed, the error code appears showing contact information and model name.



- ◆ Coated printed circuit boards (outdoor unit)

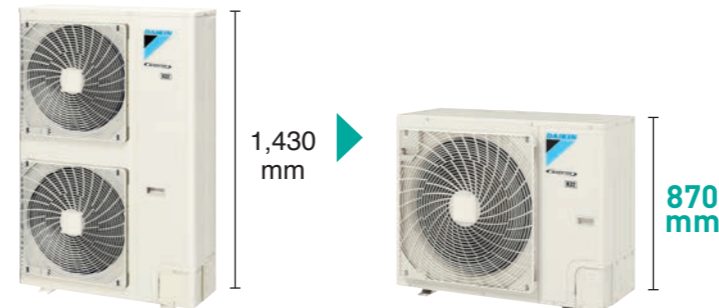
Coated circuit boards prevent problems caused by humidity and airborne dust. It also protects against salt contained in sea breezes. Both sides of the PCB in outdoor units are coated.



## Height Compact

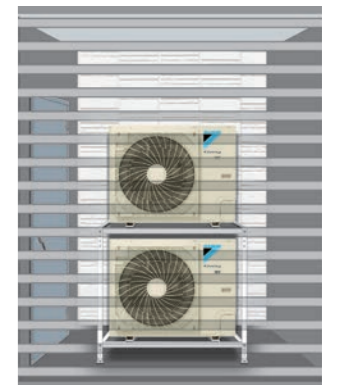
- ◆ Compact size and lightweight

New outdoor units from 10.0 kW to 14.0 kW class of RZAV series and 14.0 kW class of RZAC series are reduced to only 870 mm height.



- ◆ Double-stacking installation possible

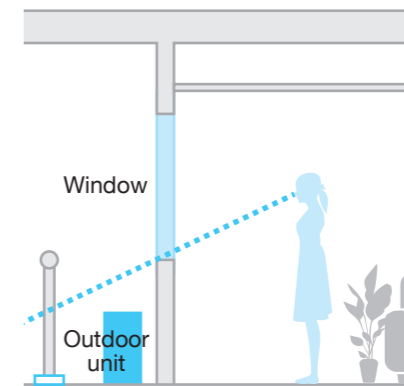
The low height casing design allows for compact double-stacking of outdoor units to maximize utilization of installation space.



This low height casing design provides occupants with a clear, unobstructed view of the scenery.

● View from outside

● View from inside





# Reuse of Existing Piping

## Benefit 1

### Simplified installation reduces replacement time and cost

When considering the replacement of your air conditioning system, do the following concern you?

- The length of time your business will be interrupted
- Effect on your existing tenants during the replacement work
- High costs and long work period due to scaffolding needed for pipe replacement



These problems are **solved by Daikin!**

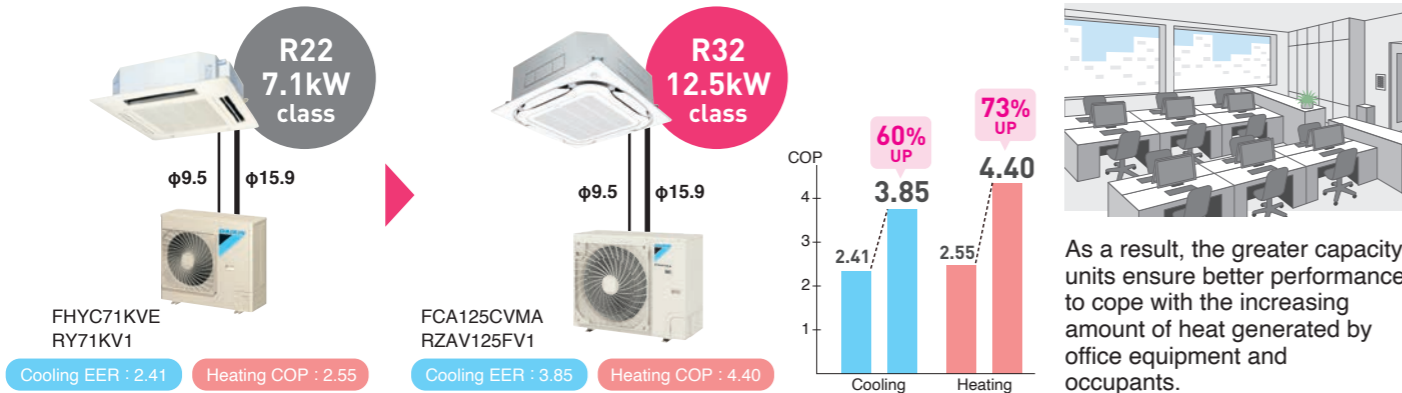
Where feasible, we reduce work costs and time by reusing existing pipes\*.

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

## Benefit 2

### You can increase cooling capacity and achieve higher energy efficiency

Upgrade to an air conditioner with the latest technology for greater comfort and energy efficiency.



## Technology

Advanced technology, including the use of corrosion resistant electronic expansion valves, acid neutralisers and improved compressor reliability, enables the re-use of existing piping\* without the need of pipe flushing for a simplified replacement process.

#### Stronger refrigerating machine oil

An acid neutraliser agent is added to disable acids (chlorine ions), which cause corrosion.

#### Highly corrosion resistant electronic expansion valve

#### Highly reliable compressor

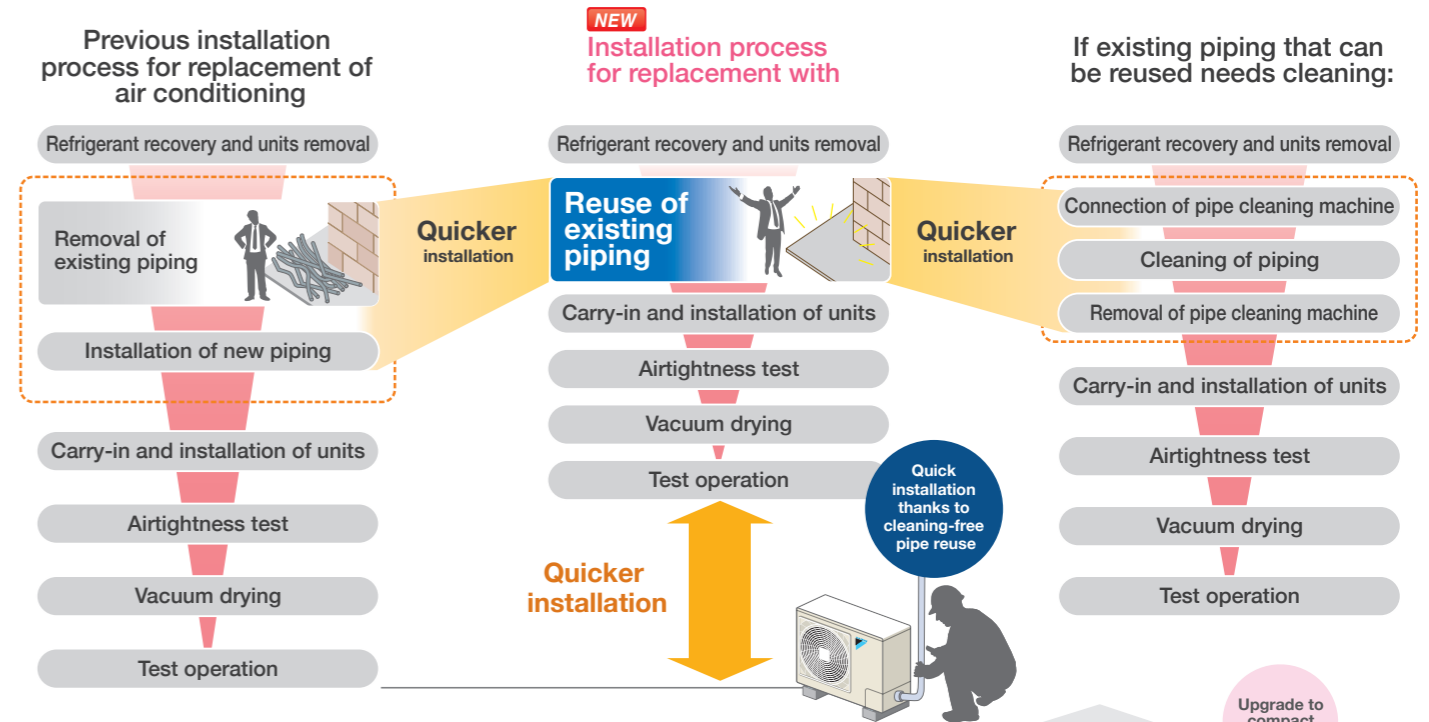
Compressor durability is improved by installing a filter or accumulator to collect solid foreign substances.

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

RZAV & RZAC series now both feature R22 retrofit technology.

## Simplified Installation

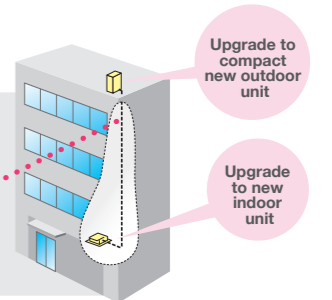
Enables simplified air conditioner replacement with minimal impact on operations.



### Particularly convenient in these circumstances

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

**Piping left as is**



## Reuse of Existing Piping: Refrigerant Pipe Size Table

Outdoor Unit		Existing pipe size (Liquid / Gas)	6.4 / 12.7	6.4 / 15.9	9.5 / 12.7	9.5 / 15.9	9.5 / 19.1	12.7 / 15.9	12.7 / 19.1	Level difference	Design pressure (High pressure)
RZAV 50/60C	6.4 / 12.7	Condition	⊙	○	△	△	×	×	×	Max. 30m	4.15MPa
		Max. piping length	50m	50m	25m	25m	—	—	—		
		Chargeless piping length	30m	30m	15m	15m	—	—	—		
RZAV 71/85C	9.5 / 15.9	Condition	■	▲	■	⊙	○	△	△	Max. 30m	4.15MPa
		Max. piping length	10m*	10m*	75m	75m	75m	35m	35m		
		Chargeless piping length	10m	10m	30m	30m	30m	15m	15m		
RZAV 100-140F	9.5 / 15.9	Condition	■	▲	■	⊙	○	△	△	Max. 30m	4.17MPa
		Max. piping length	10m	10m	85m	85m	85m	35m	35m		
		Chargeless piping length	10m	10m	40m	40m	40m	15m	15m		
RZAC 71-125C 140F	9.5 / 15.9	Condition	×	×	×	⊙	×	×	×	Max. 30m	4.15MPa 4.17Mpa (140F)
		Max. piping length	×	×	×	50m	×	×	×		
		Chargeless piping length	×	×	×	30m	×	×	×		

\*The allowable minimum piping length is 5 m.

- Refer to the installation manual for details other than those mentioned in the left table such as additional refrigerant charge amount.
- Clean the existing piping if its length exceeds 30m.
- Clean the existing piping if existing piping length exceeds limit of chargeless piping length to perform pump-down refrigerant recovery.

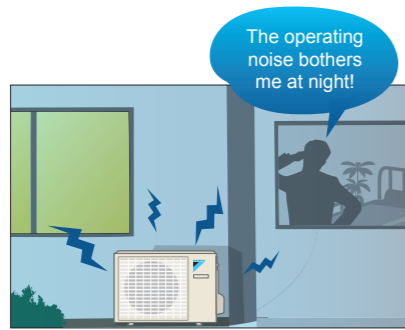
- ⊙ Standard pipe size
- Same condition with standard pipe
- △ Piping length and chargeless piping length are shortened
- ▲ Piping length and chargeless piping length are much shortened
- Cooling capacity is lowered (pay attention to piping length)
- × Reuse of existing piping is not allowed



# Quiet Operation

## ◆ Night quiet operation mode \*Field setting with remote controller

Consideration is given for people living nearby. Outdoor unit operating sound can be reduced.

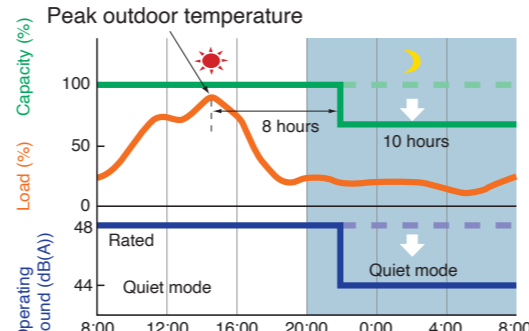


The automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

★ Reducing sound will reduce capacity slightly.

Premium Inverter series	Model	Sound pressure level <sup>1</sup> (dB(A))	
		Rated <sup>2</sup>	Night Quiet Mode
RZAV50-71CV1/CY1 RXC50-71AV1A		48	44
RZAV85CV1/CY1 RXC85AV1A		52	48
RZAV100CV1 RXC100AV1A		51	47
RZAV100FV1/FY1		49	45
RZAV125FV1/FY1		50	46
RZAV140FV1/FY1		52	48

Inverter series	Model	Sound pressure level <sup>1</sup> (dB(A))	
		Rated <sup>2</sup>	Night Quiet Mode
RZAC71CV1		48	44
RZAC85CV1/CY1		51	47
RZAC100CV1/CY1		52	48
RZAC125CV1/CY1		53	49
RZAC140FV1/FY1		53	49



Note: Daikin data for RZAV71C  
Operating sound about 4 dB quieter

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

## ◆ Quieter operations for 100 to 140 class

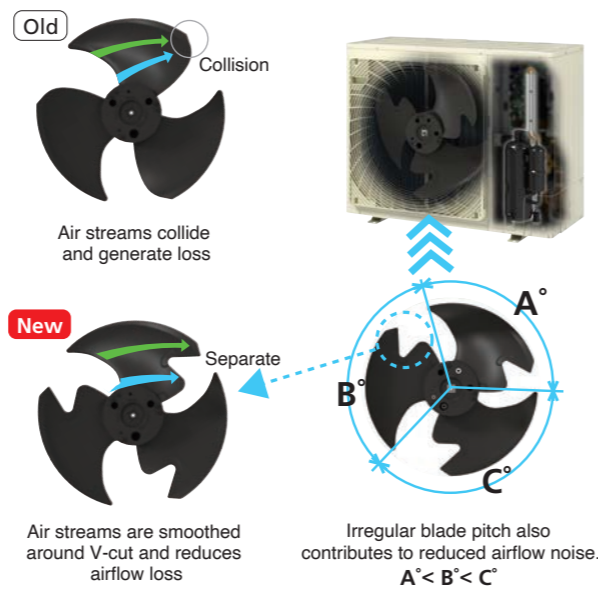
Operation sound of new outdoor unit from 10.0kW to 14.0kW class for RZAV series has reduced 5dB(A) at a maximum compared to current model.

Class	Mode	RZAV-C		RZAV-F	
100	Cooling	51	49		
	Heating	53	50		
125	Cooling	52	50		
	Heating	54	51		
140	Cooling	56	52		
	Heating	58	53		

**5dB(A)  
Down!  
at a maximum**

## ◆ V-cut & irregular pitch propeller fan

The fan's V-cut enables streamlined and effective airflow.



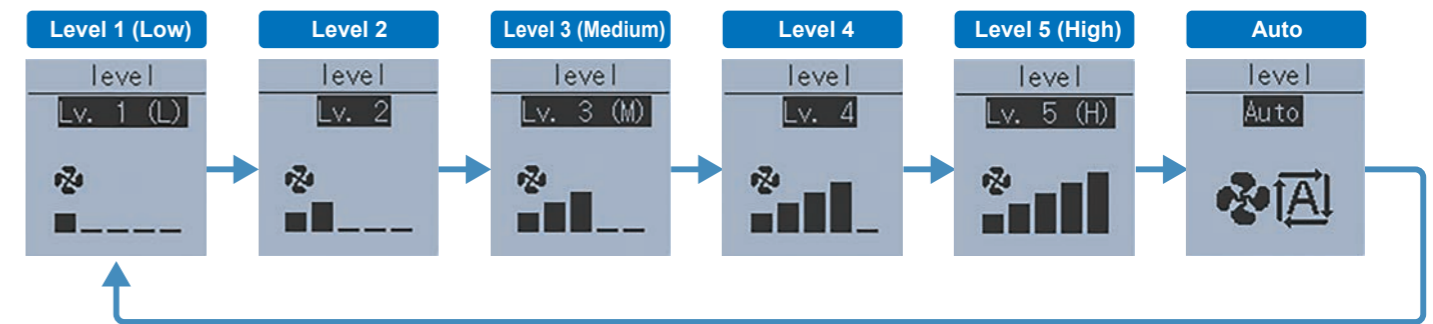
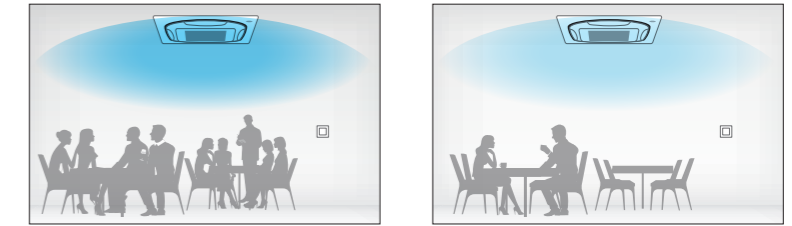
# Smart Airflow Control

## ◆ Indoor units can provide 5-step and 3-step fine control of air volume

5-step: FCA and FHA series  
3-step: FFA, FAA, FTXC, and FBA series

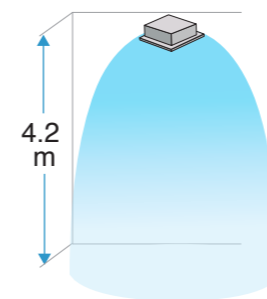
## ◆ Comfort ensured by 'Auto' airflow rate that matches load level

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



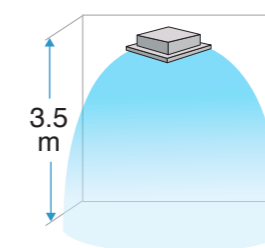
## ◆ Also convenient for high ceilings and spaces with long throw distances

Cassette type <Round Flow>:  
maximum 4.2 m\*



See page 25

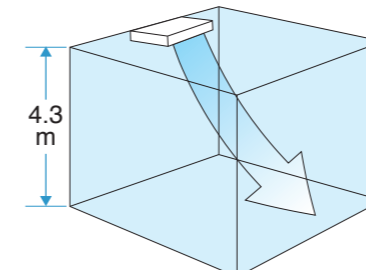
Compact multi flow ceiling mounted cassette type:  
maximum 3.5 m



See page 30

\*Maximum 4.2 m for FCA85, 100, 125, 140  
Maximum 3.5 m for FCA50, 60, 71

Ceiling suspended type:  
maximum 4.3 m\*



See page 32

\*Maximum 4.3 m for FHA85-140  
Maximum 3.5 m for FHA50-71

\*Field setting with remote controller





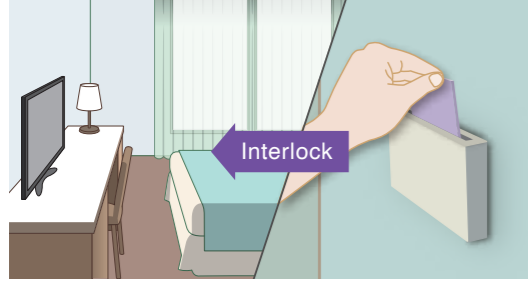
# Design Flexibility

## External signal forced OFF and ON/OFF operation (with T1 / T2 terminals)

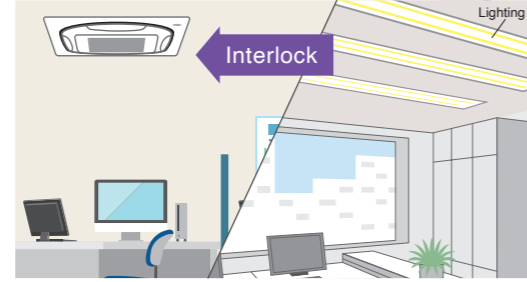
As an energy saving feature, the air conditioner can be interlocked with the key card system. Using a 3rd-party building management system, air conditioning and lighting can be interlocked.

\*Field setting with remote controller

### Hotel key card interlock



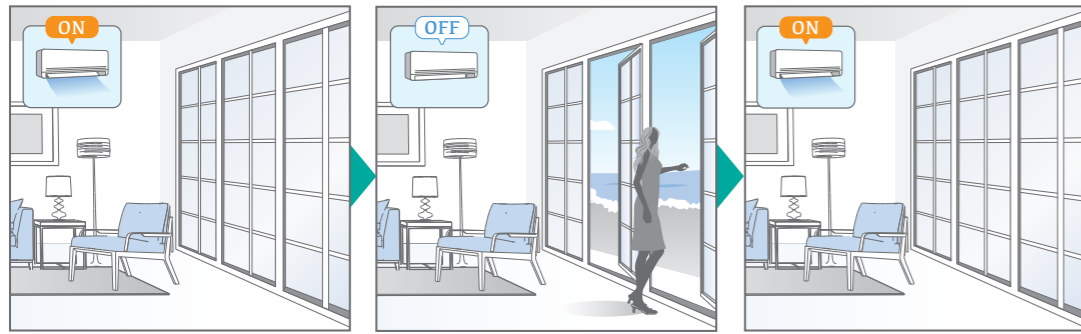
### Lighting interlock



## Key card and window / door interlock (with optional adaptor)

This function will turn the air conditioner OFF when the window/door is opened and will automatically turn ON when the window/door is closed to save energy.

### Window contact interlock



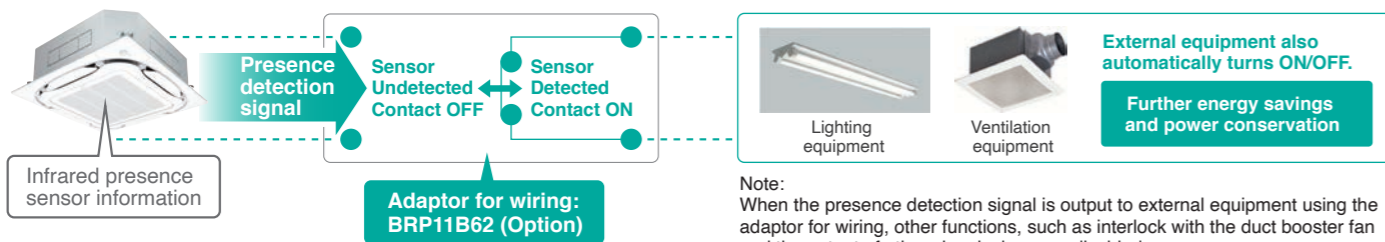
## External equipment interlock (FCA series only)

Power conservation is possible through interlock\* of external equipment, such as lighting, with the infrared presence sensor.

\*Optional adaptor for wiring: BRP11B62 is necessary.

Human presence is detected by the built-in infrared presence sensor in the sensing panel, and the presence detection signal can be output and interlocked with external equipment such as ventilation and lighting equipment.

**Sensor interlock mode**  
The presence detection signal of the infrared presence sensor can turn only external equipment ON/OFF without interlocking with air conditioner operation/stop (ON/OFF).



## Indoor units comply with DIII-Net standards



# Convenient Functions

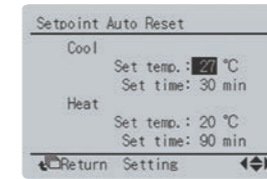
## Navigation remote controller BRC1E63 includes various convenient functions

Automatic return to temperature preset by owner.

Owner can preset upper and lower temperatures.

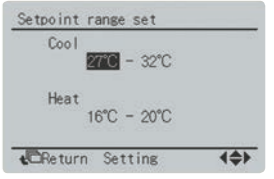
### Setpoint auto reset

- Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time.
- Period selectable from 30, 60, 90, or 120 minutes.



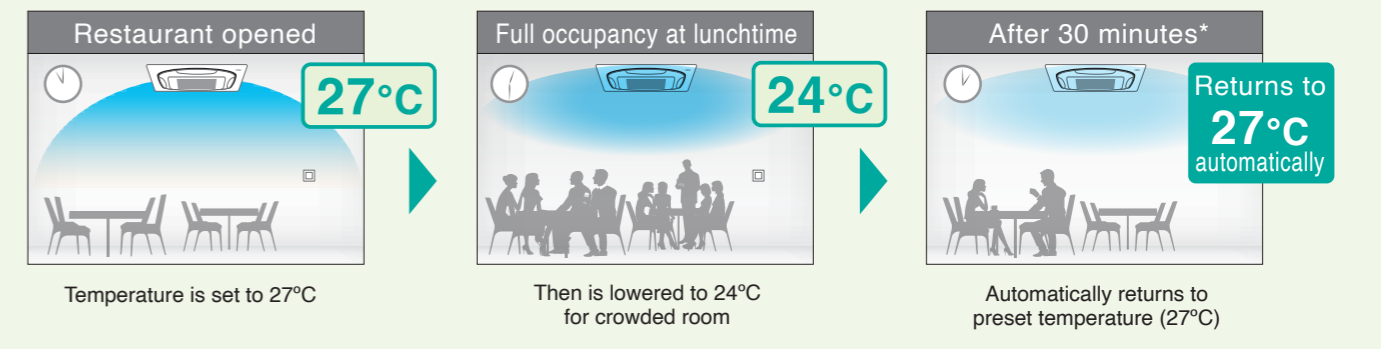
### Setpoint range set

- 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.
- BRC1H62W(K) also have this function.



## Restaurant example (Setpoint auto reset)

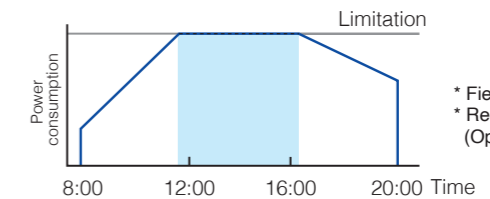
\*Preset-return time can be set at 30, 60, 90, or 120 min



## 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%.



\* Field setting with remote controller  
\* Required for Demand adaptor (Option)

## Quick start function

Gets the space to a comfortable temperature rapidly before the arrival of office workers or shop customers.

The airflow rate of indoor unit is automatically controlled, increasing the capacity of the outdoor unit and quickly bringing the room to a comfortable temperature. This function will operate for a maximum of 30 minutes before the air conditioner automatically returns to normal operation.



BRC1E63  
wired remote controller is used for 'Quick start'.





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



FCA50/60/71CAVMA  
FCA85/100/125/140CVMA

\*Shown above is FCA50-71.



P.17-20

## Circulation Airflow

Cools the entire room to deliver comfort that never feels cold.

The illustration shows typical airflow. Effectiveness may differ according to room conditions, room size, and distance to walls.



Promotion video at Daikin official YouTube site.



P.21

## Individual Airflow Direction Control

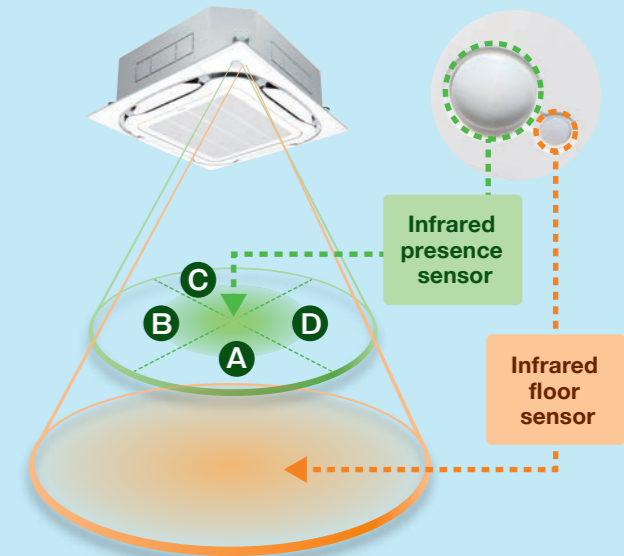
Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.



P.22-24

## Sensing Technology

Dual sensors and individual airflow direction control automatically provide optimal control of airflow.



Option Accessory required for indoor unit.

### Wired Remote Controller

- Stylish Remote Controller (Wired) <sup>1)</sup>
- Navigation Remote Controller (Wired) <sup>1)</sup>



BRC1H62W (White) BRC1H62K (Black)



"Nav Ease" BRC1E63

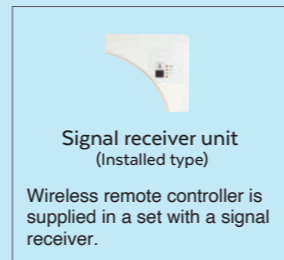
Note: <sup>1)</sup>Remote controller cable is not included and must be obtained locally.

### Wireless Remote Controller

- Wireless Remote Controller <sup>2)</sup>



Heat pump  
BRC7M634F (Fresh white)  
BRC7M634K (Black)



Signal receiver unit (Installed type)

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

Note: <sup>2)</sup>A signal receiver must be added to the indoor unit.

## Panel Variations



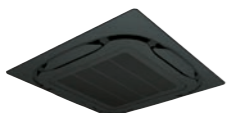
Standard panel with Sensing (Fresh white)



Standard panel (Fresh white)



Standard panel with Sensing (Black)



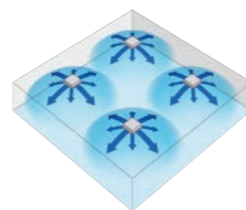
Standard panel (Black)



Auto grille panel (Fresh white)

## 360° Airflow

With uniform temperature distribution



Greater comfort

Airflow distribution creates uniform comfort throughout the space.

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

## Selectable Airflow Pattern

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

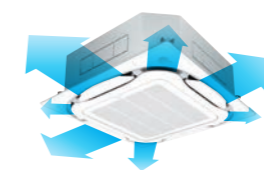
Typical flow patterns There are a total of 18 flow patterns.

### All-round flow



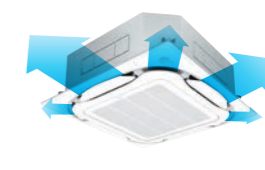
(E.g., installed in middle of ceiling) 4-way flow also possible.

### 3-way flow



(E.g., installed near a wall)

### L-shaped 2-way flow



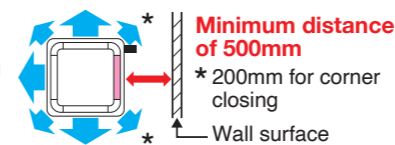
(E.g., installed in a corner)

### Opposite 2-way flow



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

Required distance to wall surface for closing air discharge outlet



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.  
- Designer panel cannot operate 2-way and 3-way flow.





# Circulation Airflow Evenly Distributes Cool and Warm Air \*1

## Cooling

Conventional airflow had areas that were either too cool or not cool enough. 😞

**Problem 1**  
Hot outdoor air entering through windows and walls causes these areas to become hot.

**Problem 2**  
Cool air accumulating directly underneath causes cold air pockets at floor level.

**Problem 3**  
Airflow blowing directly on people causes discomfort for people in the room.

**Problem 4**  
Quick descent of cool air causes insufficient cooling for corners of the room.

**4-Way Flow**

Circulation airflow cools the entire room to deliver comfort that never feels cold. 😊

**During 2-way horizontal flow**

**Airflow effectively avoids blowing air directly on people.**

Cool air moves down along the walls and to every corner of the room.

Comfort without cold air pockets at floor level.

Cools by airflow blocking out hot air near windows and walls.

## Configurations of Circulation Airflow (Cooling)

Operation (at start) → Performs repeatedly → When the set temperature is reached, normal operation (all-round flow) begins.

Cools areas around walls using 2-way horizontal flow

Cools entire room using 4-way swing flow

Cools areas around walls using 2-way horizontal flow

Cools entire room using 4-way swing flow

Note: Results may vary depending on equipment conditions, room size, and distance from indoor unit to walls.

\*1. Applicable when wired remote controller BRC1E63 is used.

## Heating

Conventional airflow (only downward flow) did not warm areas at floor level or near windows and walls. 😞

**Problem 1**  
Outdoor air entering through windows and walls causes areas near windows and walls to be cold.

**Problem 2**  
Warm air does not reach floor level, and areas at floor level remain cold.

**Problem 3**  
Warm air blowing directly on people causes discomfort from air conditioner.

**Problem 4**  
Room is slow to get warm because warm air does not reach to all corners.

**4-Way Flow**

Circulation airflow warms the entire room starting from your feet. 😊

**During 2-way horizontal flow**

**Airflow effectively avoids blowing air directly on people.**

Airflow quickly makes the entire room warm and comfortable.

Warmth reliably reaches feet.

Warms by airflow blocking out cool air near windows and walls.

## Configurations of Circulation Airflow (Heating)

Operation (at start) → Performs repeatedly → When the set temperature is reached, normal operation (all-round flow) begins.

Warms areas around walls using 2-way horizontal flow

Warms the middle of the room using 4-way down flow

Warms areas around walls using 2-way horizontal flow

Warms the middle of the room using 4-way down flow





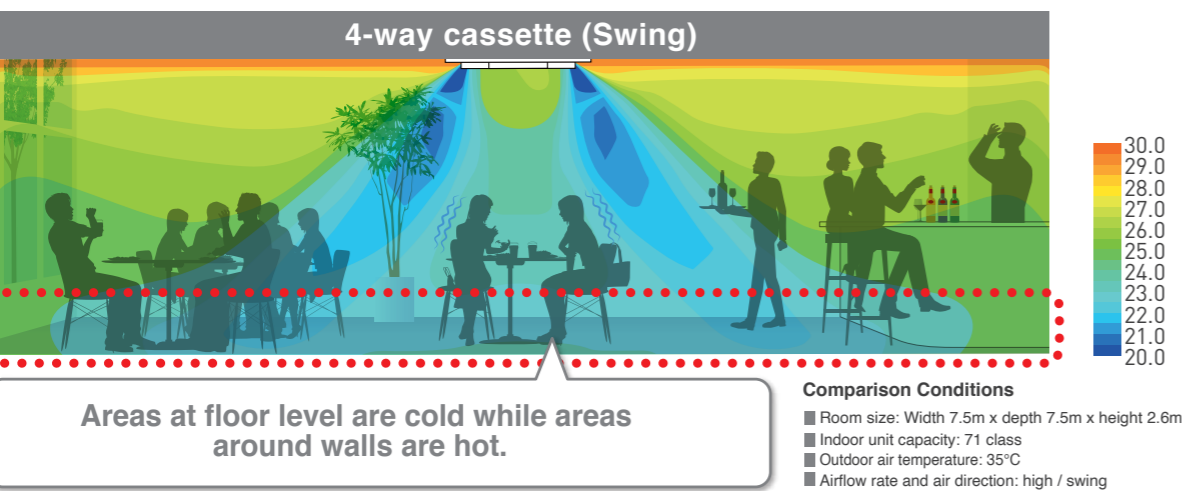
# Circulation Airflow Evenly Distributes Cool and Warm Air \*1

\*1. Applicable when wired remote controller BRC1E63 is used.

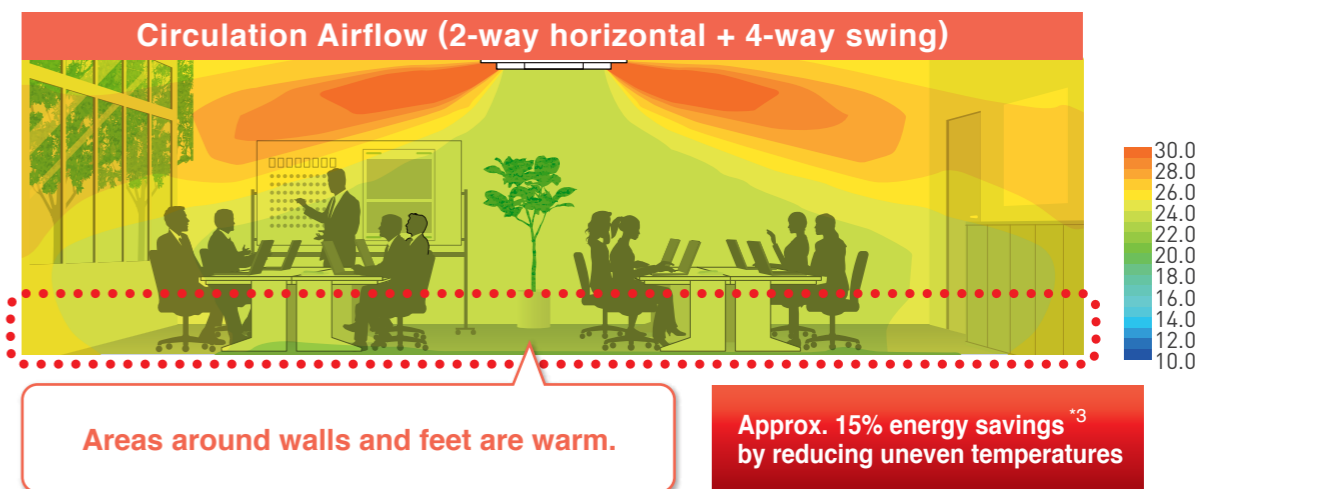
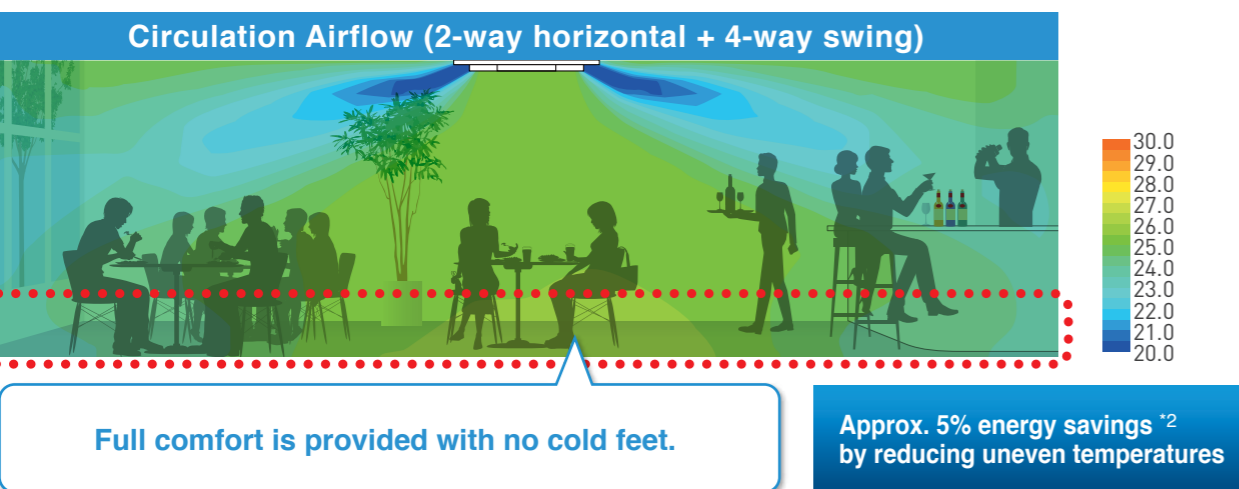
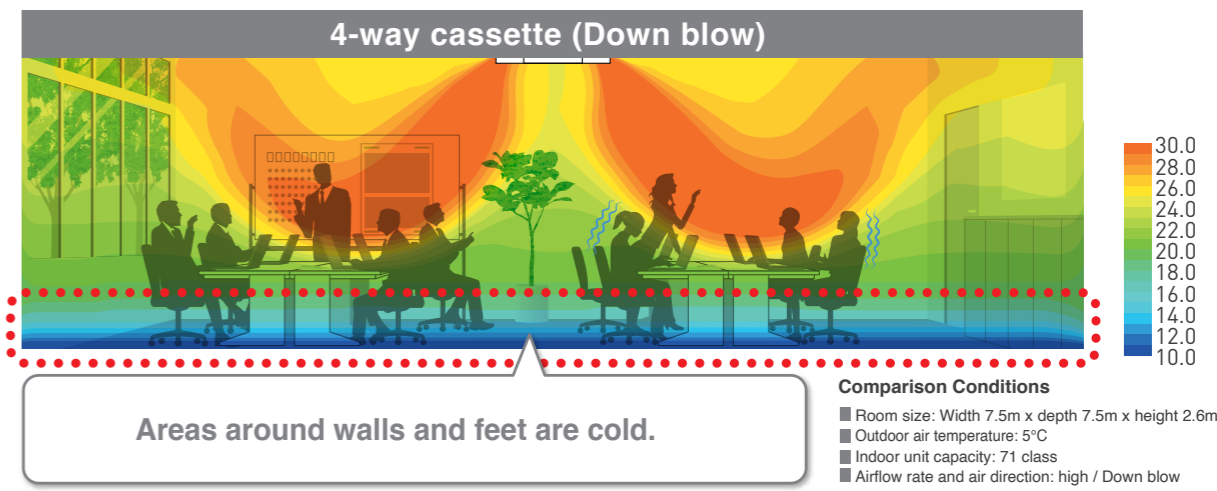
## Comfort to the Entire Room with Even Temperatures and No Cold Air Pockets at Floor Level

## Comfort to the Entire Room with Even Temperatures and Warmth Reaches Feet

### Cooling



### Heating



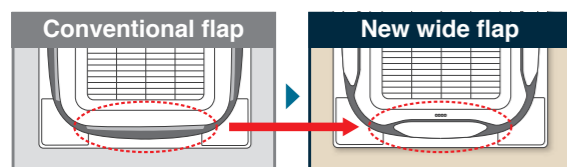
\*2. Calculated under the following comparison conditions: When the average temperature at a height of 0.6m above the floor reaches set temperature. (26°C)

\*3. Calculated under the following comparison conditions: When the average temperature at a height of 0.6m above the floor reaches set temperature. (22°C)

## Three Technologies That Achieved Circulation Airflow

### 1 Use of new wide flaps (Straight)

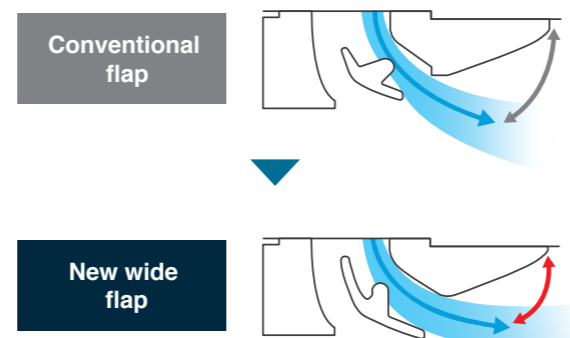
With new, larger flaps, a straighter trajectory for airflow was achieved.



New wide flap construction inhibits ceiling dirt and grime. By tapering both flap ends, the airflow that causes dirty ceilings is directed downward.

### 2 Optimizing airflow angle (Horizontally)

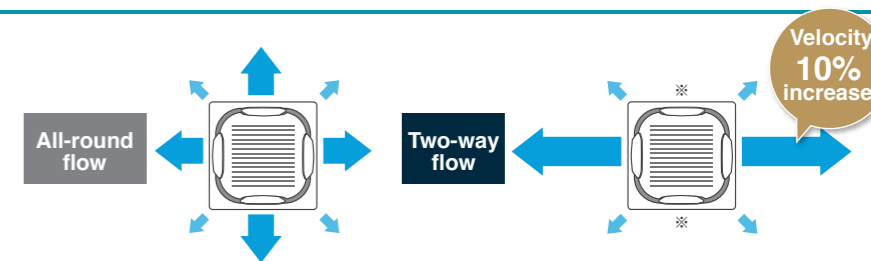
The airflow angle was made more horizontal.



### 3 Increased velocity in 2-way flow (Strongly)

Airflow velocity is increased by up to 10% during 2-way flow.

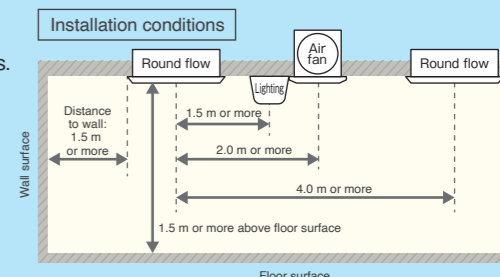
\*Other 2 outlets are controlled by changing the flap direction (angle) to suppress airflow volume.



### Things to remember when using circulation airflow

#### Main points for use

- Effectiveness may differ according to room conditions, room size, and distance to walls.
- Airflow operation differs when using the designer panel. (Operation repeatedly switches from 3-way horizontal flow to 4-way downward flow [swing] to 2-way horizontal flow to 4-way downward flow [swing].)
- Circulation airflow functions during connection with wired remote controller. (BRC1E63). However, use is not possible for the following conditions:
  - When a sealing material of air discharge outlet (for 2, 3, 4-way flow) and branch ducts are used;
  - When individual airflow setting is selected;
  - When using group control other than round flow.







# Individual Airflow Direction Control \*1

\*1. Applicable when wired remote controller BRC1E63 or BRC1H62W(K) is used.

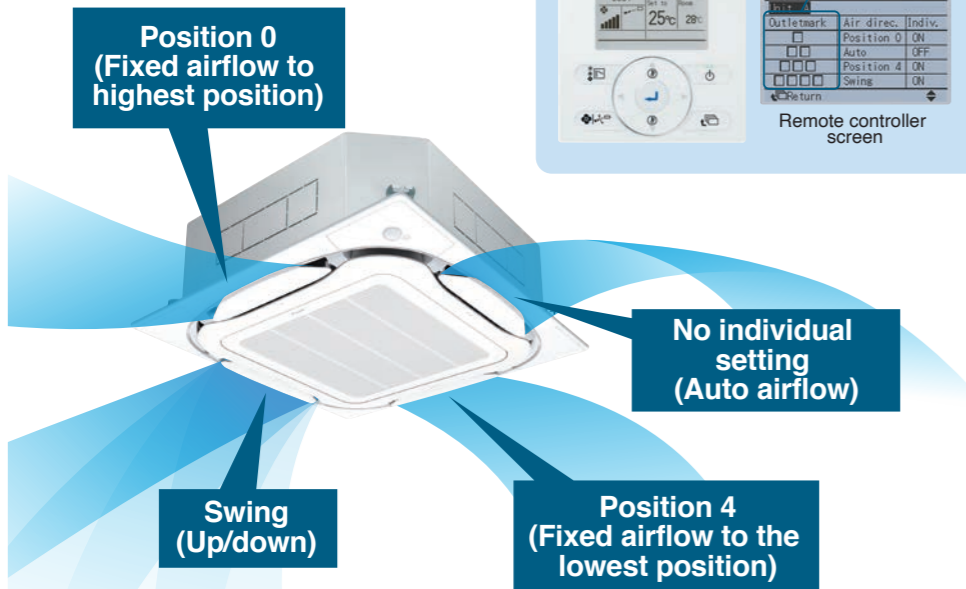
## Comfortable Air Conditioning for All Room Layouts and Conditions

Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.

Easy setting is possible with a wired remote controller.

**BRC1E63**

There are identification marks near the air outlets.



- Individual airflow settings**
- No individual setting (Auto airflow)
  - Position 0 (Highest point)
  - Position 1
  - Position 2
  - Position 3
  - Position 4 (Lowest point)
  - Swing

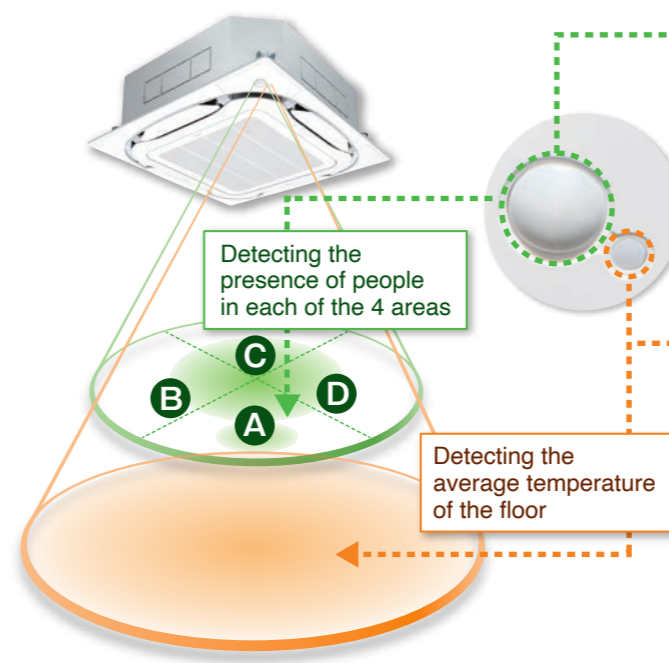
Individual settings are possible as stated above.

# Daikin Sensing Technology \*2

\*2. Applicable when sensing panel (BYCQ125EEF/EEK) is installed.

## Dual Sensors\*2

◆ Dual sensors and individual airflow direction control automatically provide optimal control of airflow.



### Infrared presence sensor

The sensor detects the presence of people in each of the 4 areas.

Ceiling height	2.7m	3.5m	4.0m
Detection range (diameter) <sup>3</sup>	approx. 8.5m	approx. 11.5m	approx. 13.5m

\*3. The infrared presence sensor detects 80cm above the floor.

### Infrared floor sensor

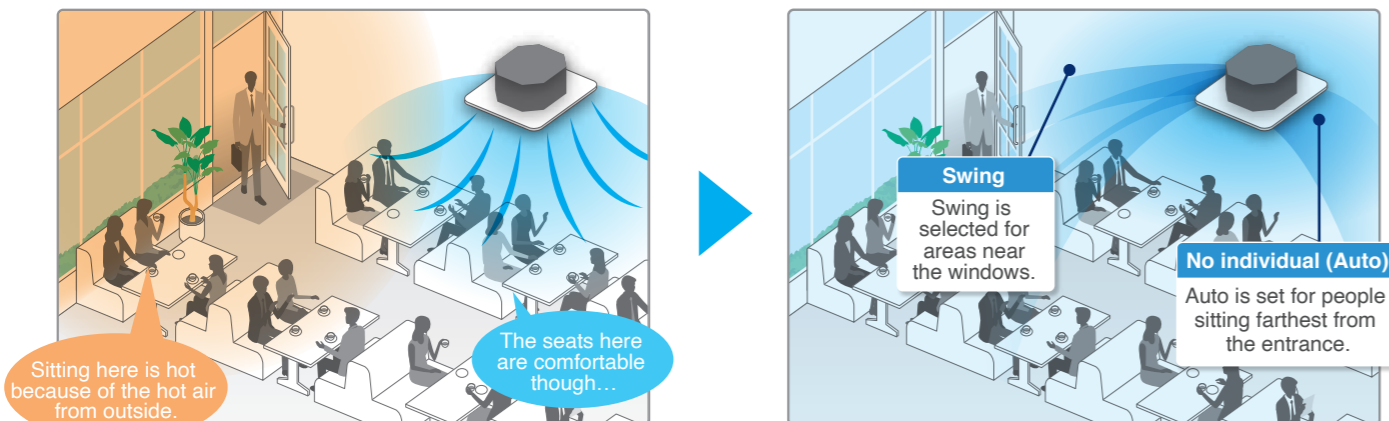
The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

Ceiling height	2.7m	3.5m	4.0m
Detection range (diameter) <sup>4</sup>	approx. 11m	approx. 14m	approx. 16m

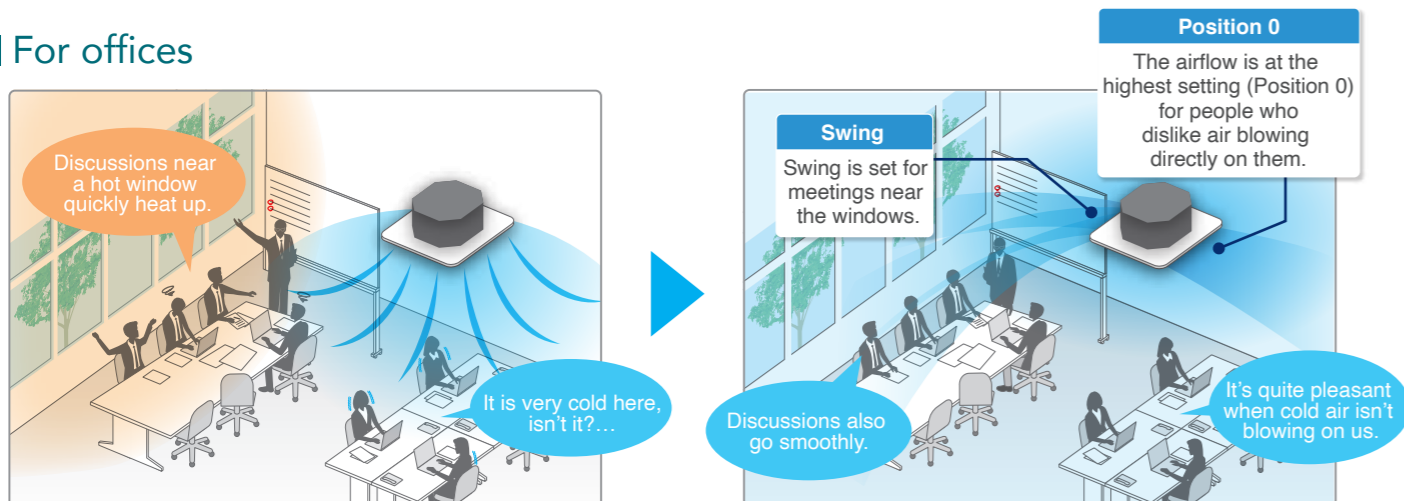
\*4. The infrared floor sensor detects at the floor surface.

When individual airflow is selected, airflow direction can be adjusted to room layout.

### For shops and restaurant



### For offices



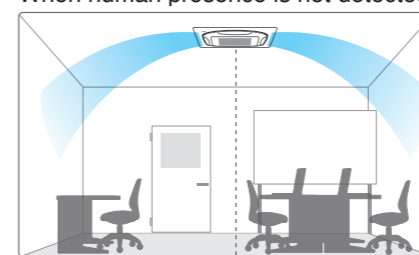
## Auto Airflow Functions \*5,6

\*5. Airflow direction should be set to "Auto".

\*6. Applicable when BRC1E63 is used.

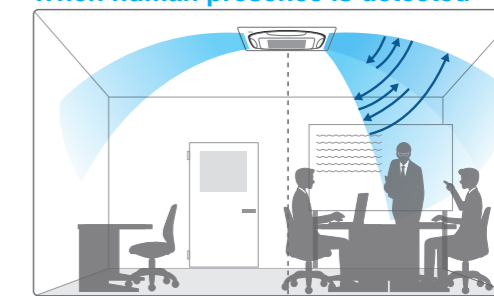
### Direct Airflow (default: OFF) Cooling Dry

When human presence is not detected



- With "Auto" airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

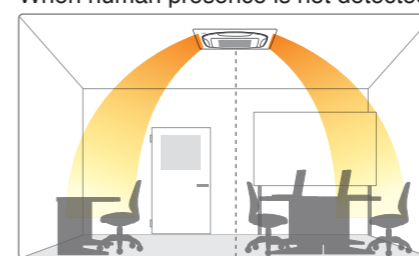
When human presence is detected



- When presence is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.

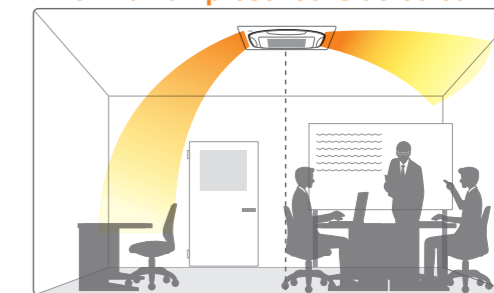
### Draft prevention (default: OFF) Heating

When human presence is not detected



- With "Auto" airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

When human presence is detected



- When presence is detected, drafts are prevented by making the flap horizontal.

• When human is not detected for 5 minutes, the unit automatically returns to controlling the flaps for an unoccupied room.



# Daikin Sensing Technology \*1

\*1. Applicable when sensing panel (BYCQ125EEF/EEK) is installed.

## Comfort and Energy Saving Preventing Overcooling / Overheating\*2

\*2. Airflow direction and airflow rate should be set to "Auto".

### ◆ Floor temperature is detected and overcooling prevented. **Cooling**

**Without sensing function**

Area around feet gets too cold because the air conditioner continues until the temperature near the ceiling reaches the set temperature.

**With sensing function**

The floor temperature, which is lower than near the ceiling, is detected.

Automatic control using the temperature near the person as the room temperature.

**Energy savings** The temperature near the person is automatically calculated by detecting the temperature of the floor. Energy is saved because the area around the feet does not get too cold.

### ◆ Feet are kept warm and comfortable while reducing uncomfortable drafts. **Heating**

**Without sensing function**

When air is blown horizontally...

Feet get cold, because warm air collects near the ceiling. Area near floor doesn't reach set temperature and feet feel cold.

For this reason, we end up raising the temperature setting.

When air is blown downward...

Uncomfortable draft occurs, because air is blown downward. To avoid draft, air direction is changed to horizontal and feet get cold.

**With sensing function**

The floor temperature, which is lower, is detected and warm air is blown downward where there is no human presence.

Comfortable because draft is reduced and area around feet is warm.

In order to reduce drafts, air is blown horizontally where a person is located.\*3

**Energy savings** The tendency of people to raise the temperature too much is prevented, because you are warmed up from the feet.

To increase comfort, Auto airflow rate mode controls the airflow in accordance with the difference between floor and ceiling temperatures.

When there is a large difference between the ceiling and floor temperatures, the airflow rate is automatically increased. When the difference becomes small, the airflow rate is automatically reduced.

## Sensing Sensor Functions\*4,5,6

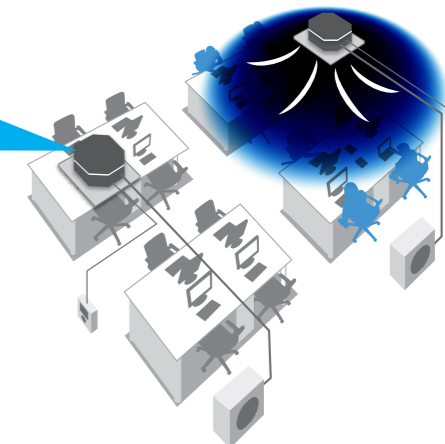
\*4. Applicable when BRC1E63 or BRC1H62W(K) is used.  
\*5. These functions are not available when using the group control system.  
\*6. User can set these functions with remote controller.

### ◆ Sensing sensor low mode (default: OFF)

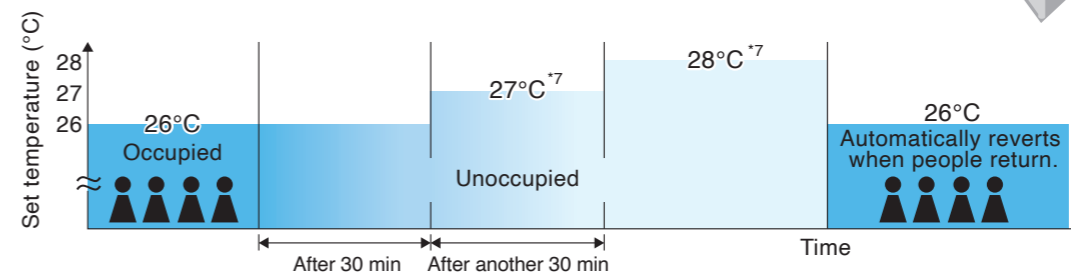
When there are no people in a room, the set temperature is shifted automatically.

- The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

Operation is reduced in places where there are no people.

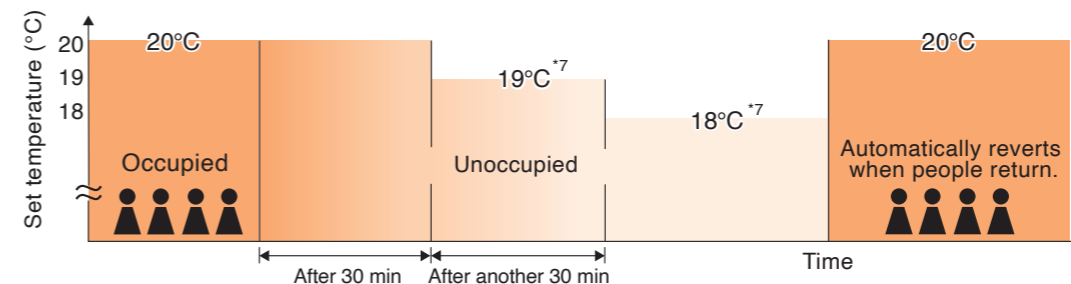


**Example** • Cooling set temperature: 26°C • Shift temperature: 1.0°C  
• Shift time: 30 min. • Limit cooling set temperature: 30°C



If people do not return, the air conditioner will raise the set temperature 1°C every 30 minutes and then operate at 30°C.

**Example** • Heating set temperature: 20°C • Shift temperature: 1.0°C  
• Shift time: 30 min. • Limit heating set temperature: 16°C



If people do not return, the air conditioner will lower the set temperature 1°C every 30 minutes and then operate at 16°C.

Shift temperature and time can be selected from 0.5 to 4°C in 0.5°C increments and 15, 30, 45, 60, 90 or 120 minutes respectively with remote controller.

\*7. On basic screen of remote controller, set temperature does not change.

### ◆ Sensing sensor stop mode (default: OFF)

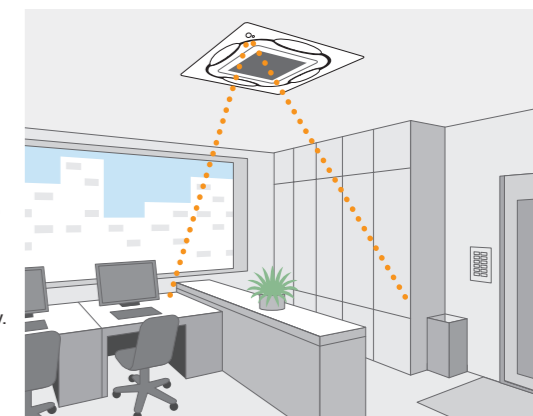
When there are no people in a room, the system stops automatically.\*8,9

- The system automatically saves energy by detecting whether or not the room is occupied.
- Based on preset user conditions, the system automatically stops operation if the room is unoccupied.

Absent stop time can be selected from 1 to 24 hrs in 1 hr increments with remote controller.

\*8. Please note that upon re-entering the room, the air conditioner will not switch on automatically.

\*9. To protect the machine, the standby system may operate temporarily.

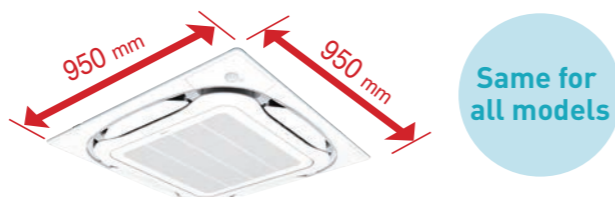




Comfort

◆ Unified square panels

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



◆ Optimal comfort and convenience assured by 3 air discharge modes

Air direction	Standard setting <sup>1</sup>	Draft prevention setting (field setting)	Ceiling soiling prevention setting <sup>2</sup> (field setting)
Desired situation	For gentle drafts.	When drafts are unwanted.	For shops with light coloured ceilings that must be kept spotless.
Auto-swing			
5-level air direction setting			
Draft prevention (In heating mode)		At heating startup and thermo OFF, air discharge is automatically set to a near horizontal to prevent direct exposure to cool air drafts.	
Auto air direction control		The air direction is set automatically to the memorised position of the previous air direction.	

Note:  
<sup>1</sup>Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote controller.  
<sup>2</sup>Closing of the corner discharge outlets is recommended.

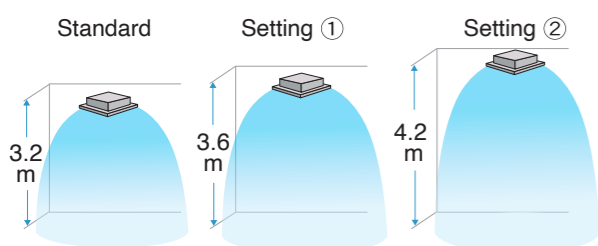
◆ Switchable fan speed: 5 steps and Auto

◆ Quiet operation

Indoor unit	Sound pressure level dB(A)				
	H	HM	M	ML	L
50-71CA	37.0	36.0	34.0	31.0	27.5
85/100C	45.0	42.0	39.0	36.5	34.0
125/140C	46.0	43.5	41.0	38.5	36.0

◆ 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. (85-140C)

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

Ceiling height	Standard	Number of air discharge outlets used							
		50-71CA				85-140C			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m	
High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m	
High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—	

Note:  
 • The aforementioned is for standard panels. See the installation manual for designer panels. 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.  
 • High-efficiency filters are not available for high ceiling applications.

Cleanliness

◆ 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 odours and clogging. (The lifespan of a silver ion cartridge depends on the usage environment, but should be changed once every two to three years.)



◆ Non-flocking flaps

Flaps can be detached without use of tools. Condensation does not easily form and dirt does not cling to non-flocking flaps. They are easy to clean.



◆ Filter has anti-mould and antibacterial treatment

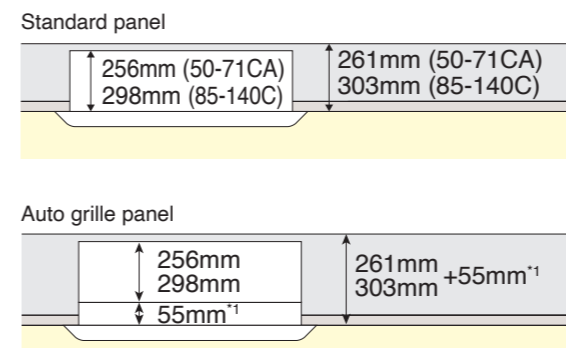
Prevents mould and microorganisms growing out of the dust and moisture that adheres to the filters.

Quick and Easy Installation

◆ Lightweight

All models can be installed without using a lifter.

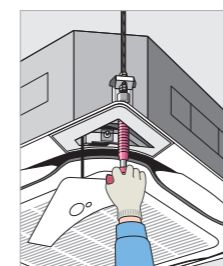
◆ Installable in tight ceiling spaces



\*1. Body height (ceiling required space) is 55 mm higher than standard panel.  
 \*When the ceiling space is limited, an optional panel spacer is available. (see P.28)

◆ Easy height adjustment

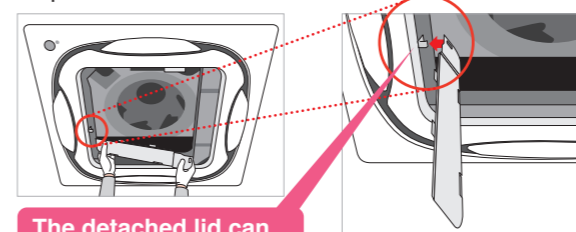
Each corner of the unit has an adjuster pocket that lets you easily adjust the unit's suspended height.



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

◆ Temporary placement of control box lid

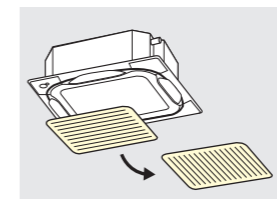
Because the control box lid can be temporarily hung on the unit, there is no need to climb down the stepladder to retrieve it.



The detached lid can be hung on a hook.

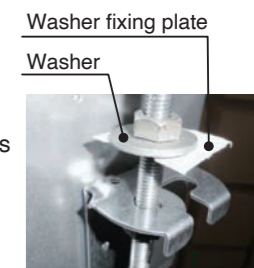
◆ Installed in any direction

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.



◆ Easy hanging

Washer fixing plates secure washers in place and prevent washers from falling for easy installation.



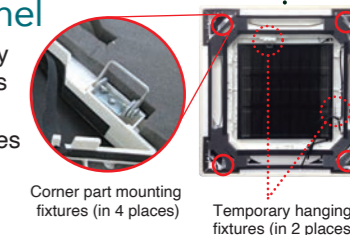
◆ Easy removal of corner cover

It is possible to easily remove without use of screws or tools.



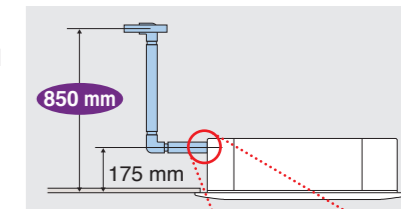
◆ Ease in temporary hanging of decoration panel

In addition to the temporary hanging fixtures in 2 places normally used, corner part mounting fixtures in 4 places are provided.



◆ Drain pump

Equipped as standard accessory with 850 mm lift.



◆ Transparent drain socket



■ Hanging height adjustment

Because the configuration of the hanger bracket changed, the dimensions from the ceiling to the hanger bracket also change during height adjustment for indoor unit.

	A Dimensions
Standard panel	125-130mm
Chamber option*+ standard panel	175-180mm
Auto grille panel	180-185mm

\*High-efficiency filter, ultra long-life filter, and fresh air intake



## Easy Maintenance

### ◆ Condition of the drain pan and drain water

Can be checked by removing the suction grille and drain plug.

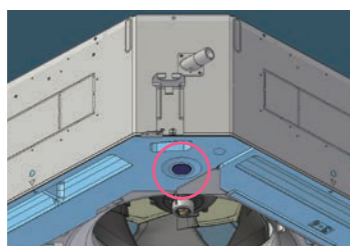
Note: For inquiries concerning auto grille panel installations, please contact your local dealer or Daikin representative.

Drain outlet (with rubber plug)



### ◆ 24 mm diameter drain outlet

The drain outlet allows insertion of a finger or dental mirror for inspection of the internal cleanliness of the drain pan. Removal of the suction panel enables access.



### ◆ Ultra long-life filter (option)

See page 28

Maintenance is not required in normal shops or offices for up to four years.

### ◆ Low gas pressure detection



### ◆ Auto grille panel (option)

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

A dedicated remote controller for the auto grille panel is included.

Operation is not possible using other remote controllers.

The drop length corresponds to ceiling height and can be set for 8 different levels.

Ceiling Height Standard (m)	Drop Length
2.4	1.2
2.7	1.6
3.0	2.0
3.5	2.4
3.8	2.8
4.2	3.1
4.5	3.5
5.0*	3.9

\*Airflow range is up to 4.5m. Please refer to "criteria for ceiling height and number of air discharge outlets" on page 25.

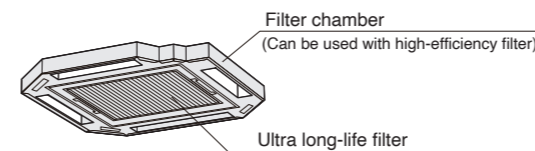


## Options

Options required for specific operating environments

### ◆ Ultra long-life filter unit

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



**Dusty area: annual filter change**

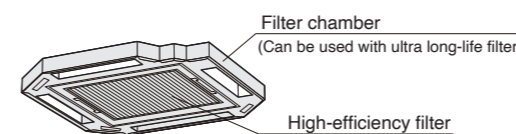
\*For dust concentration of 0.3 mg/m<sup>3</sup> (Requires separately sold Air purifier.)  
1 year (Approx. 5,000 hr) ≈ 15 hr/day x 28 day/month x 12 month/year

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

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

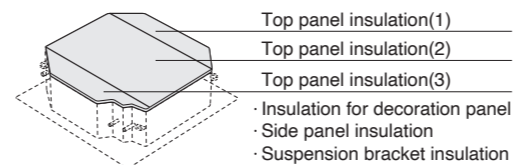
### ◆ High-efficiency filter unit

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



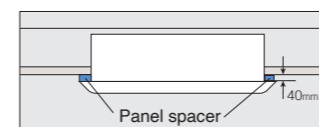
### ◆ Insulation kit for high humidity

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



### ◆ Panel spacer

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



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

### ◆ Sealing material of air discharge outlet

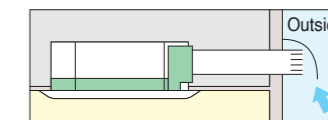
By using this option, 2-way, 3-way, or 4-way flow can be selected.

### ◆ Branch duct chamber

This chamber lets you connect a round flexible duct to the air discharge opening at any time after the original installation.

### ◆ Fresh air intake kit Note 1.2

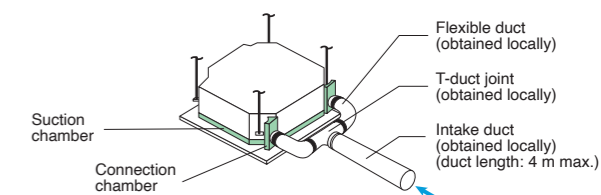
Using this kit, a duct can be connected to take in outdoor air. There are two chamber types that have intake in two places: with T-duct joint and without T-duct joint.



## The units can be installed in the following different ways

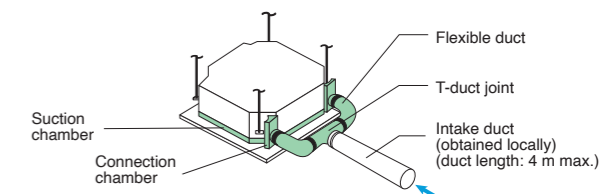
Chamber type (without T-duct joint) Note 3.4.5

KDDP55C160



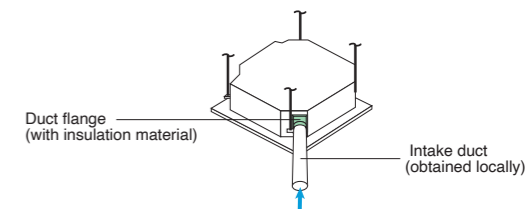
Chamber type (with T-duct joint) Note 3.4.5

KDDP55C160K



Direct installation type Note 6

KDDP55X160A



- 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 obtained locally.
  3. When a local-obtained fan is used, an interlock with air conditioner is necessary. Optional PCB (BRP11B62) is required for interlocking.
  4. When installing a fresh air intake kit (chamber type), two air outlet corners are closed.
  5. 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 sensing.
  6. The volume of fresh air for direct installation type is approximately 1% of the indoor unit airflow. The chamber type is recommended when more fresh air is necessary.



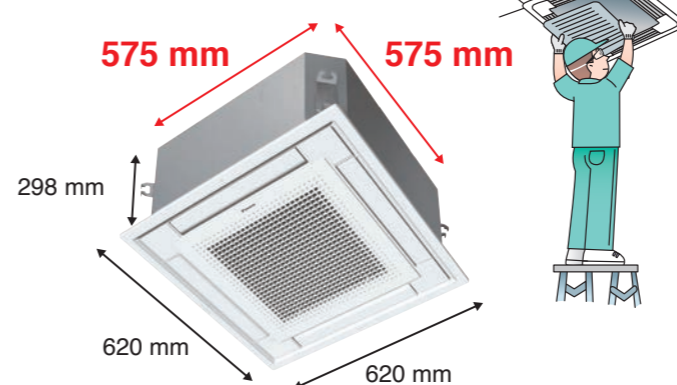
# Fully flat cassette, a remarkable blend of iconic design and engineering excellence



FFA25/35/50/60/71AVM

## Compact

- ◆ Sized to fit inside 600mm wide ceiling grids



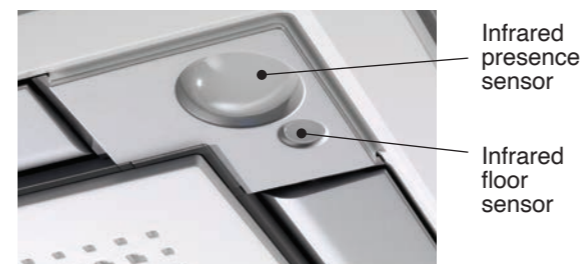
- Inspection opening is necessary on the control box and drain pump side.

## Sensing technology <sup>\*1</sup>

<sup>\*1</sup>. Applicable when optional sensor kit (BRYQ60AAW) is used.

- ◆ Dual sensors (Option)

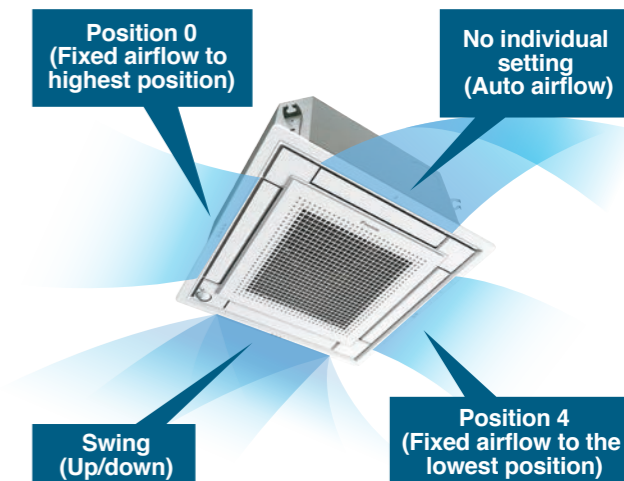
- An optional presence and floor sensor kit can be fitted to the cassette for draft prevention, energy-saving operation, and to provide optimal control of airflow.



## Individual airflow direction control <sup>\*3</sup>

<sup>\*3</sup>. Applicable when BRC1E63 or BRC1H62W(K) is used.

- Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.



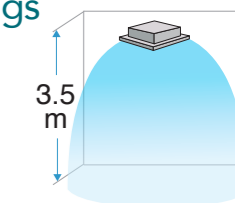
## Comfort

- ◆ Fan speed: 3 steps and Auto

- ◆ Suitable for high ceilings

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

<sup>\*</sup>Field setting with remote controller.



- ◆ Optimal comfort and convenience

	Auto-swing	5-levels air direction setting
Standard setting		
Draft prevention setting (Field setting)		
Setting to prevent soiling of ceiling (Field setting)		

- ◆ Selectable airflow pattern

4-way flow	3-way flow	2-way flow

■ Drain socket ■ Piping ■ Sealing material (Option)

<sup>\*</sup>For 3-way or 2-way flow, the sealing material of air discharge outlet (option) must be used.  
<sup>\*</sup>Field setting with remote controller.

### Option Accessory required for indoor unit.

#### Wired Remote Controller

- Stylish Remote Controller (Wired) <sup>†1</sup>
- Navigation Remote Controller (Wired) <sup>†1</sup>



BRC1H62W (White) BRC1H62K (Black)



"Nav Ease" BRC1E63

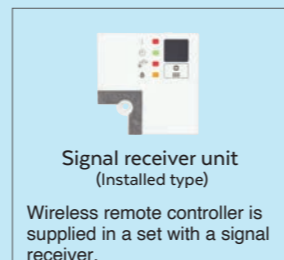
Note: <sup>†</sup>Remote controller cable is not included and must be obtained locally.

#### Wireless Remote Controller

- Wireless Remote Controller <sup>†2</sup>



Heat pump BRC7M530W

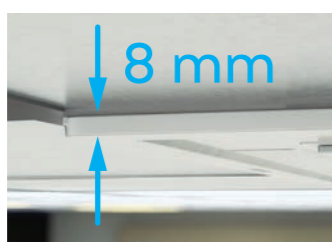


Signal receiver unit (Installed type)  
Wireless remote controller is supplied in a set with a signal receiver.

Note: <sup>†2</sup>A signal receiver must be added to the indoor unit.

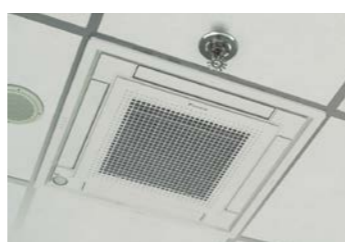
## Fully Flat with the Ceiling

- Fully-flat integration in standard architectural ceiling tiles, leaving only 8 mm.



## Fits Architectural Ceiling Tiles Perfectly

- The newly designed panel integrates fully within one ceiling tile enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles.

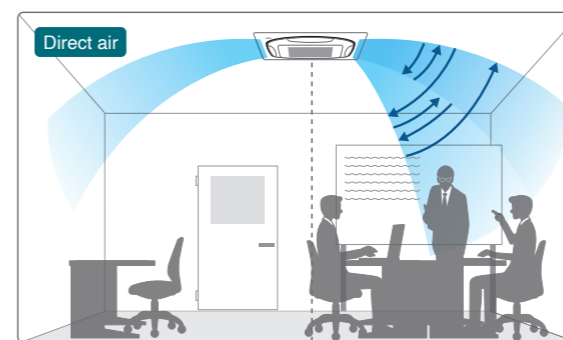


Unobtrusive cassette

- ◆ Direct air, Draft prevention (default: OFF) <sup>\*2</sup>

<sup>\*2</sup>. Applicable when BRC1E63 is used.

- When human presence is detected, air direction is set to "Swing (narrow)" to deliver cool air to users, or drafts are prevented by making the flap horizontal.



Optimal air direction by "Auto" Swing (narrow)

- ◆ Sensing sensor low / stop mode (default: OFF) <sup>\*3</sup>

<sup>\*3</sup>. Applicable when BRC1E63 or BRC1H62W(K) is used.

- When there are no people in a room, the set temperature is shifted or the system stops automatically for energy saving.



# Comfortable airflow travels throughout the room



FHA50/60BAVMA  
FHA71/85/100/125/140BVMA

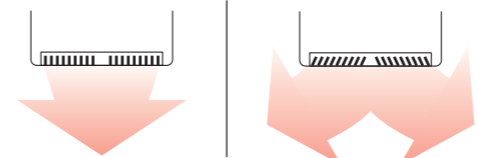
## Stylish Model

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

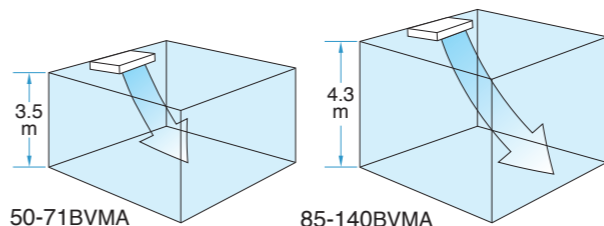


## Comfort

- ◆ **The technology**  
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**



	50-71B(A)	85/100B	125/140B
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.

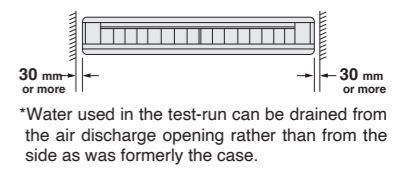
- ◆ **Switchable fan speed: 5 steps and Auto**

## Quiet Operation

Indoor unit	Sound pressure level dB(A)				
	H	HM	M	ML	L
50/60BA	37.0	36.0	35.0	33.5	32.0
71B	38.0	37.0	36.0	35.0	34.0
85/100B	42.0	40.0	38.0	36.0	34.0
125B	44.0	42.5	41.0	39.0	37.0
140B	46.0	44.0	42.0	40.0	38.0

## Installation Flexibility for Freedom of Design

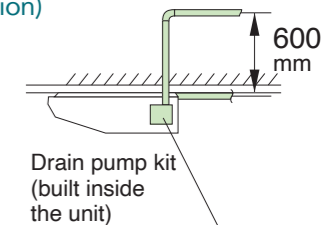
- ◆ **Flexible installation**  
The unit fits more snugly into tight spaces.



\*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.

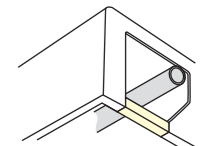


- ◆ **DIII-NET communication standard**

Connection to a centralised control system is available without need for an optional adaptor.

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

- ◆ **The rear side removable frame allows ease of access for piping work**



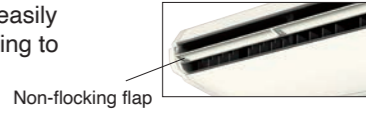
## Easy Maintenance

- ◆ **Drain pump kit (option) includes a silver ion antibacterial agent**

That assists in preventing the growth of slime, bacteria, and mould that cause odours and clogging.

- ◆ **Non-flocking flap**

Condensation does not easily form 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.

### Option Accessory required for indoor unit.

#### Wired Remote Controller

- Stylish Remote Controller (Wired) <sup>1)</sup>
- Navigation Remote Controller (Wired) <sup>1)</sup>



BRC1H62W (White) BRC1H62K (Black)



"Nav Ease" BRC1E63

Note: <sup>1)</sup>Remote controller cable is not included and must be obtained locally.

#### Wireless Remote Controller

- Wireless Remote Controller <sup>2)</sup>



Heat pump BRC7M53



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

Note: <sup>2)</sup>A signal receiver must be added to the indoor unit.



# Compact design and easy installation



FTXC50/60/71/85/100AV1A  
FAA71/85/100BVMA

## Compact & Sophisticated Design

- ◆ Flaps neatly close When not in use.
- ◆ Fresh white colour

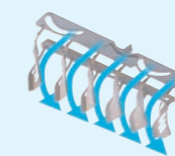


## Comfort

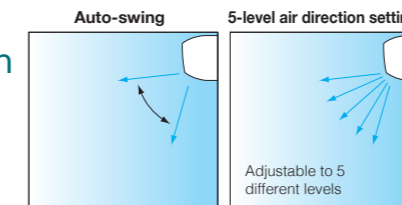
- ◆ Auto swing (up and down) and wide-angle louvers (left and right by hand) facilitate even room temperature.

### Wide-angle louvers (by hand)

Soft material louver bends airflow over a wider area

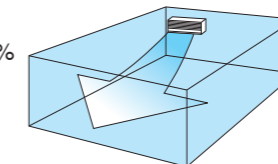


- ◆ An air discharge modes ensure comfortable air distribution across the entire room



- ◆ 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: 3 steps and Auto

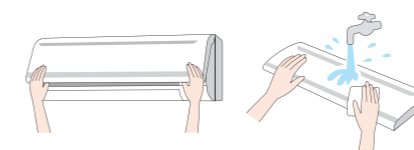
"Auto" is applicable when wired remote controller is used.

- ◆ Programme "Dry"

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

## Easy Cleaning

- ◆ Removable and washable grille



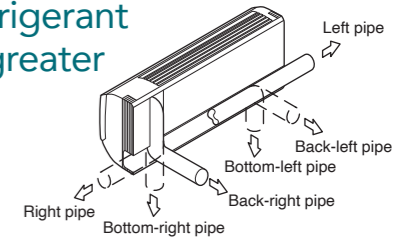
- ◆ Flat panel, easy to wipe dust off

- ◆ Non-flocking flaps

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

## Design and Installation Flexibility

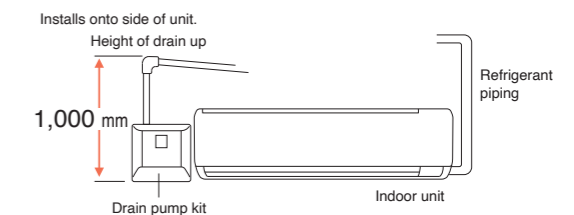
- ◆ 6-direction refrigerant piping offers greater installation flexibility



- ◆ 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



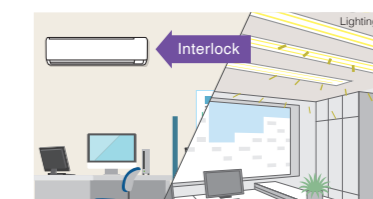
Drain pump kit can be installed on either left and right side of the indoor unit.



- ◆ Interlock control

As an energy saving feature, the air conditioner 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 need for an optional adaptor.

### Option Accessory required for indoor unit.

#### Wired Remote Controller

- Stylish Remote Controller (Wired) <sup>1)</sup>
- Navigation Remote Controller (Wired) <sup>1)</sup>



BRC1H62W (White) BRC1H62K (Black)



"Nav Ease" BRC1E63

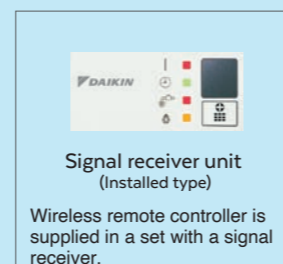
Note: <sup>1)</sup>Remote controller cable is not included and must be obtained locally.

#### Wireless Remote Controller

- Wireless Remote Controller <sup>2)</sup>



Heat pump BRC7EB518



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

Note: <sup>2)</sup>A signal receiver must be added to the indoor unit.



# Thinner design allows greater installation flexibility

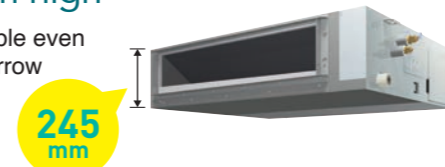


FBA50/60BAVMA  
FBA71/85/100/125/140BVMA

## Design and Installation Flexibility

### Only 245 mm high

Installation is possible even in buildings with narrow ceiling spaces.

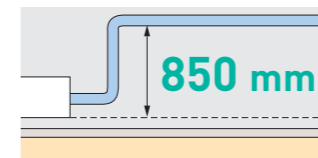


One of the industry's most compact bodies in the mid-static pressure range.

Indoor unit	50/60BA	71B	85/100/125/140B
Height (mm)	245		
Width (mm)	1,000		1,400
Depth (mm)	800		

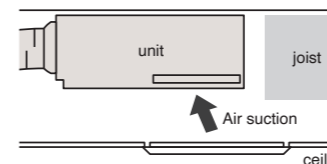
### Higher lift is realized

A built-in DC drain pump with standard accessory is utilised.

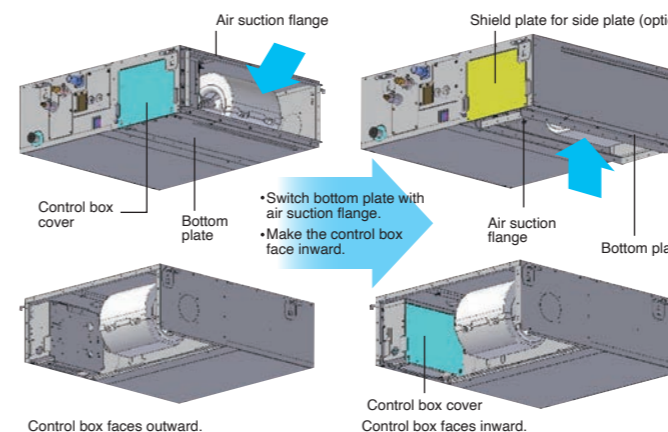


### Bottom suction is available

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



### Rear suction      Bottom suction



### Adjustable E.S.P.

External static pressure can be controlled to within a range of 50 Pa to 150 Pa by using a DC fan motor.



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.

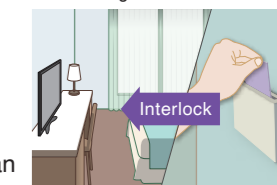
### Airflow rate auto adjustment function

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 air conditioner 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

Connection to a centralised control system is available without need for an optional adaptor.

### Option Accessory required for indoor unit.

#### Wired Remote Controller

- Stylish Remote Controller (Wired) <sup>1)</sup>



BRC1H62W (White)      BRC1H62K (Black)

- Navigation Remote Controller (Wired) <sup>1)</sup>



"Nav Ease" BRC1E63

#### Wireless Remote Controller

- Wireless Remote Controller <sup>2)</sup>



Heat pump BRC4C65

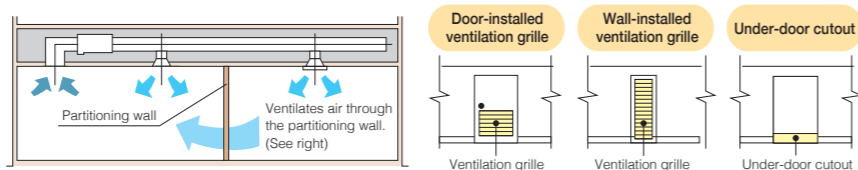


Signal receiver unit (Installed type)  
Wireless remote controller is supplied in a set with a signal receiver.

Note: <sup>2)</sup>A signal receiver must be added to the indoor unit.

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

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



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

## Comfort

### Switchable fan speed: 3 steps and Auto

"Auto" is applicable when wired remote controller is used.

## High Efficiency

### DC fan motor and DC drain pump

These are utilised to improve energy efficiency.

## 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 odours and clogging. (The lifespan of a silver ion cartridge depends on the usage environment, but should be changed once every two to three years.)







## Wide Product Range Featuring Swing Compressor

RZAV	50 V1	60 V1	71 V1	71 Y1	85 V1	85 Y1	100 V1	100 Y1	125 V1	125 Y1	140 V1	140 Y1
	Swing compressor											

RZAC	—	—	71 V1	—	85 V1	85 Y1	100 V1	100 Y1	125 V1	125 Y1	140 V1	140 Y1
	Swing compressor											

To better suit commercial product requirements, Daikin has expanded the 3 phase product range from 71 to 140 class.\*

Benefits of utilising 3 phase models over single phase models include lower minimum circuit amps, allowing for smaller gauge wires therefore reducing installation costs. Furthermore on site electrical load balancing is not required.



## Wider Capacity Range and Higher Efficiency

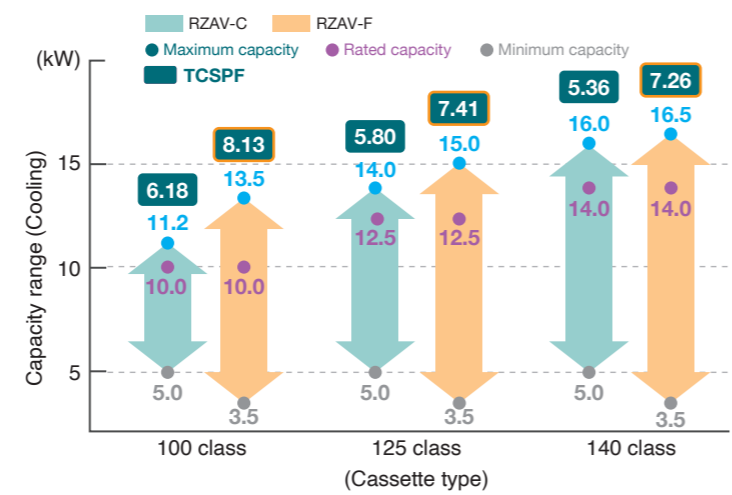
The new RZAV-F series outdoor unit can now operate at a wider capacity range with greater energy efficiency compared to RZAV-C series.

### Comparison of capacity range (cooling) (Cassette type)

Class	RZAV-C		RZAV-F	
	Min.	Max.	Min.	Max.
100	5.0	11.2	3.5	13.5
125	5.0	14.0	3.5	15.0
140	5.0	16.0	3.5	16.5

### Comparison of TCSPF value (Cassette type/Average zone/commercial)

Class	RZAV-C	RZAV-F
100	6.18	8.13
125	5.80	7.41
140	5.36	7.26



## Longer Piping Length

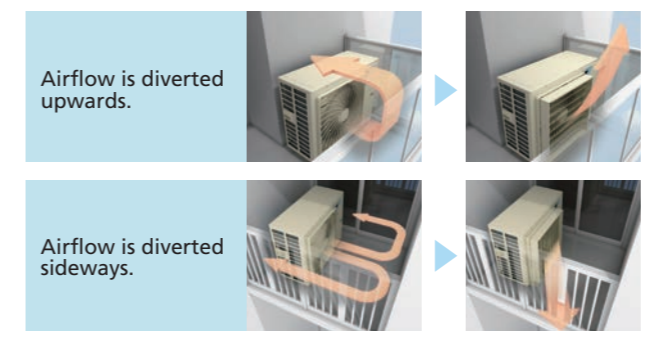
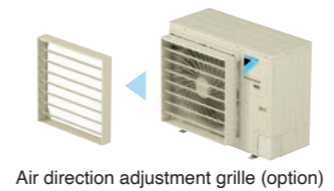
In new RZAV-F series, maximum piping length from 71 to 140 class is increased from 75m to 85m.

Class	RZAV-C	RZAV-F
100	75 m	85 m
125	75 m	85 m
140	75 m	85 m

## Design Flexibility of Installation

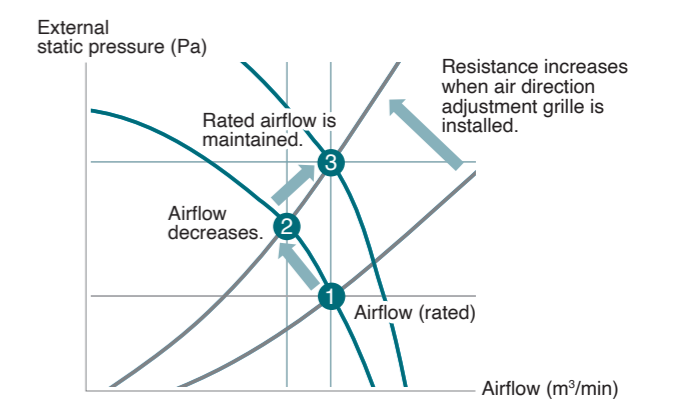
### Optimum airflow direction with the optional air direction adjustment grille

The optional air direction adjustment grille can divert airflow to one of 4 directions (up, down, left or right) to avoid obstacles.



### High E.S.P. and automatically adjusted

The new RZAV-F series outdoor unit features external static pressure up to 40 Pa, allowing for reliable operation in small installation sites where the air direction adjustment grille or ducting is utilised. The new E.S.P. automatic adjustment function maintains rated airflow and capacity by controlling the E.S.P. during the test operation.

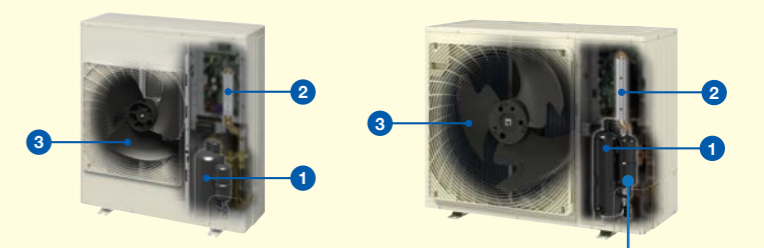
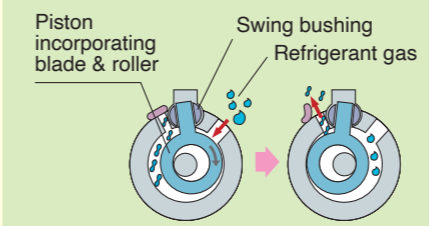


## Technology for energy efficiency

### 1 Swing compressor

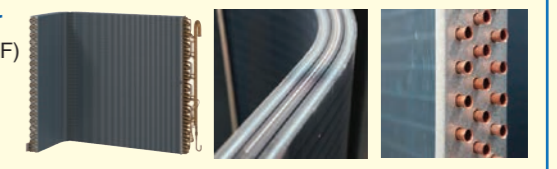
High efficiency during partial load operation.

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



### New heat exchanger

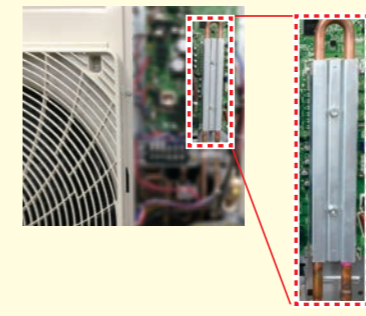
- 2-sided 3-row (125/140F)
- Increased heat exchanger area



### 2 Refrigerant cooling

(RZAV71-100C, RZAV100-140F, RZAC85-125C, RZAC140F, RXC71-100A)

Daikin's unique refrigerant cooling system exhibits high cooling capacity even during high outdoor temperatures.

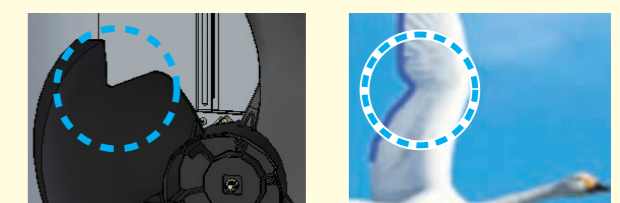


Refrigerant cooling helps protect the printed circuit board and maintains high cooling capacity even during high outdoor temperatures.

### 3 Fan V-cut Propeller Fan

(RZAC25-71E, RZAV50/60C, RZAC71C, RXC50/60A, RZAV100-140F, RZAC140F)

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.



V-cut propeller fan

Imitating the performance of the swan



## Stylish Remote Controller (Wired Remote Controller)

BRC1H62W/K



BRC1H62W (White)



BRC1H62K (Black)

Promotion video at Daikin official YouTube.



### Sleek Stylish Design

Much like the perfection of its circular shape, the remote controller gives you perfect control over your individual climate.



### User-friendly Interface

The new remote controller combines functionality and simplicity. The minimalistic touch button control enlarges the display and makes the remote controller both easy and enjoyable to use.



### DAIKIN APP for Installer

Simplifies the advanced settings such as field settings and setpoint range.

- Visual interface simplifies advanced settings such as energy saving activation, setting restrictions, etc.
- Easy and quick commissioning, saves time and cost for installers.
- Featuring Bluetooth low energy technology.



\*Apple iOS 12 or higher, Android 9 or higher.

### Useful Administration / Shorter and Easier Installation

The smartphone application connected to this controller provides 2 modes, Owner / Administrator mode and Installer mode (no end-user mode).

Owner / Administrator mode provides useful setting of

- Setback setting
- Setpoint range setting
- Function lock etc.

Installer mode makes installation faster and easier with

- Set up multiple settings at once
- Save and reuse settings etc.



\*Bluetooth low energy 4.2 or higher.

### Setback

Maintains the room temperature in a specific range when the system is turned OFF (by user or OFF timer). To achieve this, the system temporarily runs in Cooling or Heating operation mode, according to the setback temperature and recovery differential.

Cooling operation	Heating operation
<ul style="list-style-type: none"> <li>•Setback temperature can be set from upper limit of setpoint +1°C to 35°C.</li> </ul> <p>Ex) When upper limit temperature is set at 27°C by Setpoint range set function, Setback temperature is selectable from 28°C to 35°C.</p>	<ul style="list-style-type: none"> <li>•Setback temperature can be set from lower limit of setpoint -1°C to 5°C.</li> </ul> <p>Ex) When lower limit temperature is set at 15°C by Setpoint range set function, Setback temperature is selectable from 14°C to 5°C.</p>
<ul style="list-style-type: none"> <li>•Recovery differential can be set up to -8°C from setback temperature.</li> </ul>	<ul style="list-style-type: none"> <li>•Recovery differential can be set up to +8°C from setback temperature.</li> </ul>
<ul style="list-style-type: none"> <li>•Setback turns ON the system for at least 30 minutes, unless the setback temperature is changed, or the system is turned ON with the ON/OFF button.</li> </ul>	

## "Nav Ease" (Wired Remote Controller)

BRC1E63

Operation is easy and smooth, just follow the indications on the navigation remote controller.

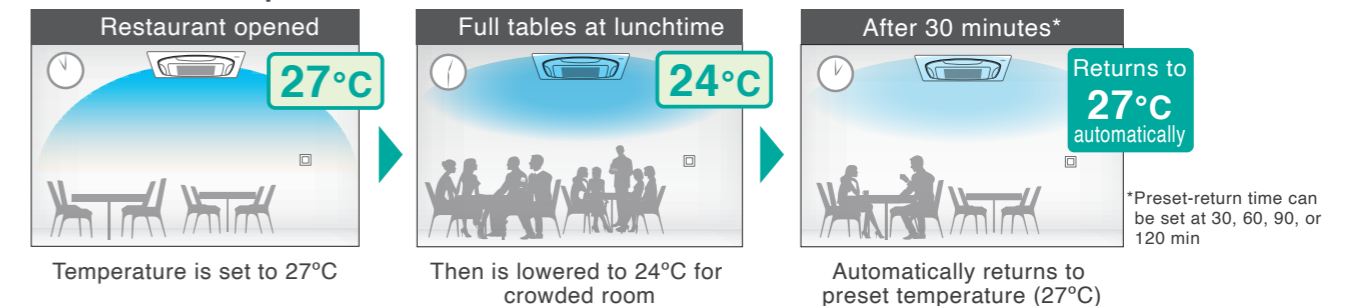


### Energy Saving

#### Setpoint auto reset

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

#### Restaurant example

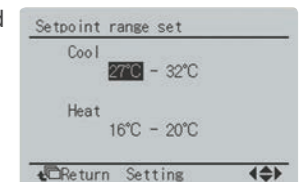


#### OFF timer (programmed)

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

#### 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

#### 5-step airflow control

- The number of airflow steps depends on the type of indoor unit.
- 5-step control applies to FCA and FHA series.

#### Energy consumption monitoring <sup>1,2,3,4</sup>

- Past power consumption for the current and previous days (2-hour intervals), week (1-day intervals), and year (1-month intervals) can be checked.

Note:

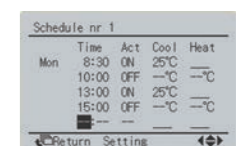
- <sup>1</sup>Availability of this function may vary according to model (limited to partial functionality)
- <sup>2</sup>Time setting is necessary.
- <sup>3</sup>This function cannot be used during group control.
- <sup>4</sup>This is a reference value for comparison and is not intended as a value for investigation purposes in the calculation of electricity bills or contract for electricity. Because it is a simple calculation of power consumption, there are cases when the calculated value differs with the measurement results of a wattmeter.

#### Setback (default: OFF)

- Maintains the room temperature in a specific range during unoccupied periods by temporarily starting an air conditioner that had been turned OFF.

#### 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)



#### Auto display off

- While operation is stopping, LCD display can be turned OFF. It will be displayed again if any button is pressed.
- Period can be preset from 10, 30, 60 minutes, and OFF. Initial setting is 30 minutes.



## Wireless Remote Controller



### BRC7M634F

Signal receiver unit  
(For ceiling mounted  
cassette type)

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

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

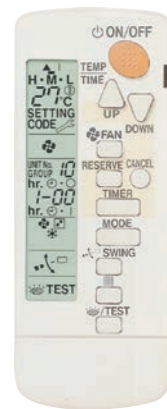
### Backlight LCD of new wireless remote controller



Pressing the backlight button helps operating in dark rooms.

### Wireless remote controller for each indoor unit type

	Heatpump
CEILING MOUNTED CASSETTE TYPE	BRC7M634F(K)
COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE	BRC7M530W
CEILING SUSPENDED TYPE	BRC7M53
WALL MOUNTED TYPE	BRC7EB518
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE	BRC4C65



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

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

### Facilitates maintenance and repair

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling mounted cassette type can be remotely set without having to use a stepladder to access for manual setting. Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically), etc.
- Remote controller is equipped with error code display functions. This facilitates service in the unlikely event of a malfunction. \*Model name display function applies to BRC1E63 only. (Some models show their model code.)

### 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.

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

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

## System variation to control multiple indoor units

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

Note: <sup>1</sup>Available combinations: 1) BRC1H62W(K) (main) and BRC1H62W(K) (sub) 2) BRC1E63 (main) and BRC1E63 (sub)  
<sup>2</sup>When a wireless remote controller is used, it is not possible to use 2 wireless remote controllers. Combination of BRC1E63 (main) and BRC7M (sub) is available.

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

Central remote controller	Unified on/off controller	Schedule timer	intelligent Controller
DCS302CA61 (Option)	DCS301BA61 (Option)	DST301BA61 (Option)	DCS601C51 (Option)
Centralised control, with setting as simple as it is with a standard remote controller, of up to 64 groups (1,024 indoor units) is possible.	Centralised control of on/off by group or all at once for up to 256 indoor units.	Unified control of weekly schedule for up to 1,024 indoor units. Schedule timer sets on/off time in 1 minute units to be executed twice a day for a week at a time.	With its high functionality, the full colour "all-in-one" graphic controller facilitates management of SkyAir System in a variety of ways.



# Functions overview

Heat pump

		CEILING MOUNTED CASSETTE TYPE (Round Flow)			COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE		
		 FCA50-71CAVMA FCA85-140CVMA			 FFA25-71AVM		
Indoor unit							
Outdoor unit		RZAV50-85CV1, 100-140FV1 RZAV71/85CY1, 100-140FY1 RZAC71-125CV1, 140FV1 RZAC85-125CY1, 140FY1			RZAC25-71EVM		
Remote controller	Wired	BRC1H62W(K)	BRC1E63	—	BRC1H62W(K)	BRC1E63	—
	Wireless	—	—	BRC7M634F (K)	—	—	BRC7M530W
Energy Saving	1	Energy consumption monitoring	●				
	2	Sensing sensor stop mode	● Sensing panel		● Sensor kit		
	3	Sensing sensor low mode *1	● Sensing panel		● Sensor kit		
	4	Auto display OFF	●	●	●	●	
	5	Setpoint auto reset	●	●	●	●	
	6	Setpoint range set	●	●	●	●	
	7	OFF timer (programmed)		●		●	
	8	Weekly schedule timer		●		●	
	9	ON/OFF timer			●		●
Comfort	10	Circulation airflow		●			
	11	Setback	●	●	●	●	
	12	Quick start		●			
	13	Individual airflow control	●		●		
	14	Infrared presence sensor		● Sensing panel		● Sensor kit	
	15	Infrared floor sensor		● Sensing panel		● Sensor kit	
	16	Auto airflow function (Direct air, Draft prevention)	● Sensing panel (Draft prevention only)	● Sensing panel	● Sensing panel (Draft prevention only)	● Sensor kit	
	17	Auto swing	●	●	●	●	●
	18	Swing pattern selection	●	●	●	●	●
	19	Draft prevention function (heating)		●		●	
	20	Switchable fan speed	● 5 step	● 5 step	● 5 step	● 3 step	● 3 step
	21	Auto airflow rate	●	●	●	●	●
	22	High fan speed mode					
	23	Two selectable temperature-sensors *2	●	●	●	●	●
	24	High ceiling application	● 3.5m / 4.2m	● 3.5m / 4.2m	● 3.5m / 4.2m	● 3.5m	● 3.5m
	25	Hot start				●	
	26	Year-round cooling applicable		●		●	
	27	Night quiet operation *3		●			
	Cleanliness	28	Anti-bacterial air filter		●		●
29		Mould-proof air filter					
30		Silver ion anti-bacterial drain pan		●			
Work & Servicing	31	Auto grille panel		●			
	32	Drain pump mechanism		●		●	
	33	Pre-charged for up to 30 m *3		● (40 m for RZAV-F)		● (10 m)	
	34	Long-life filter		●		●	
	35	Filter sign	●	●	●	●	●
	36	Low gas pressure detection *3		●		●	
	37	Emergency operation		●		●	
	38	Self-diagnosis function	●	●	●	●	●
	39	Service contact display		●		●	
Control	40	Auto-restart		●		●	
	41	Auto-cooling / heating change-over	●	●	●	●	●
	42	Control by 2 remote controllers	●	●	● *8	●	● *8
	43	Group control by 1 remote controller	●	●	●	●	●
	44	External equipment interlock *4		● Sensing panel			
	45	External signal forced OFF and ON/OFF operation		●		●	
	46	Key card and window / door interlock *5	● *7		● *7		
	47	External command control *6		●		●	
	48	Central remote control		●		●	
	49	Interlock control with Heat Reclaim Ventilator		●		●	
	50	DIII-NET communication standard		●		●	
Options	51	High-efficiency filter		●			
	52	Ultra long-life filter		●			
	53	Fresh air intake kit		●		●	

		CEILING SUSPENDED TYPE			WALL MOUNTED TYPE			DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE		
		 FHA50/60BAVMA FHA71-140BVMA			 FTXC50-100AV1A FAA71-100BVMA			 FBA50/60BAVMA FBA71-140BVMA		
Indoor unit										
Outdoor unit		RZAV50-85CV1, 100-140FV1, RZAV71/85CY1, 100-140FY1			RXC50-100AV1A RZAV71-100CY1			RZAV50-85CV1, 100-140FV1 RZAV71/85CY1, 100-140FY1 RZAC71/85CV1 RZAC85CY1		
Remote controller	Wired	BRC1H62W(K)	BRC1E63	—	BRC1H62W(K)	BRC1E63	—	BRC1H62W(K)	BRC1E63	—
	Wireless	—	—	BRC7M53	—	—	BRC7EB518	—	—	BRC4C65
Energy Saving	1		●			●			●	
	2									
	3									
	4	●	●		●	●		●	●	
	5	●	●		●	●		●	●	
	6	●	●		●	●		●	●	
	7		●			●			●	
	8		●			●			●	
	9			●			●			●
Comfort	10									
	11	●	●		●	●		●	●	
	12		●			●			●	
	13									
	14									
	15									
	16									
	17	●	●	●	●	●	●	●	●	●
	18									
	19		●			●			●	
	20	● 5 step	● 5 step	● 5 step	● 3 step	● 3 step	● 3 step	● 3 step	● 3 step	● 3 step
	21	●	●	●	●	●		●	●	
	22									
	23	●	●		●	●		●	●	
	24	● 3.5m / 4.3m	● 3.5m / 4.3m	● 3.5m / 4.3m						
	25									
	26									
	27		●			●			●	
	Cleanliness	28		●						● *7
29						●				
30									●	
Work & Servicing	31									
	32		● *7			● *7			●	
	33		● (40 m for RZAV-F)			●			● (40 m for RZAV-F)	
	34		●						● *7	
	35	●	●	●	●	●	●	●	●	●
	36		●			●			●	
	37		●			●			●	
	38	●	●	●	●	●	●	●	●	●
	39		●			●			●	
Control	40		●			●			●	
	41	●	●	●	●	●	●	●	●	●
	42	●	●	● *8	●	●		●	●	● *8
	43	●	●	●	●	●	●	●	●	●
	44									
	45		●			●			●	
	46	● *7			● *7			● *7		
	47		●			●			●	
	48		●			●			●	
	49		●			●			●	
	50		●			●			●	
Options	51								●	
	52									
	53		●							●

Note:

- \*1: Not applicable when group control.
- \*2: Applicable when wired remote controller is used.
- \*3: For outdoor units.
- \*4: Adaptor for Wiring (and installation box) is necessary.
- \*5: Digital input adaptor (and installation box) is necessary.
- \*6: Wiring adaptor for electrical appendices (and installation box) is necessary.
- \*7: Option is required.
- \*8: It is not possible to use 2 wireless remote controllers. Combination of BRC1E63 (main) and BRC7M (sub) is available.

● Possible

		Main	
		Wired remote controller	
		BRC1H62W(K)	BRC1E63
Sub	Wired	●	
	Wireless	BRC4C*	
		BRC7C/E/F/G*	●
		BRC7M* BRC4M*	



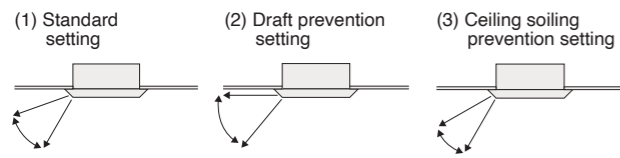
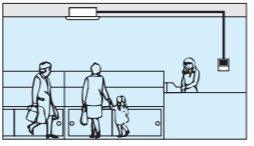
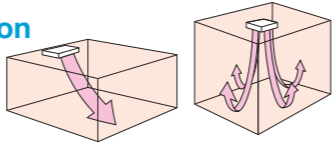
# Abundance of functions that provide comfortable air-conditioning in stores and offices

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

## Energy Saving

- 1. Energy consumption monitoring**  
Past power consumption is displayed for the current and previous days as well as in weekly and yearly intervals.
- 2. Sensing sensor stop mode**  
When the room is unoccupied, the system stops automatically.
- 3. Sensing sensor low mode**  
When the room is unoccupied, the set temperature is shifted automatically.
- 4. Auto display OFF**  
While operation is stopping, the LCD display can be turned off. It can be displayed again when any button is pressed.
- 5. Setpoint auto reset**  
Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time.
- 6. Setpoint range set**  
Saves energy by limiting the minimum and maximum set temperatures. Avoids excessive heating and cooling.
- 7. 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.
- 8. 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.
- 9. 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.

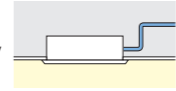
## Comfort

- 10. Circulation airflow**  
At the start of operation, airflow changes repeatedly between horizontal flow and downward flow (swing during cool operation), and air is sent throughout the room to eliminate uneven temperatures.
- 11. Setback**  
Maintains the room temperature in a specific range during unoccupied periods by temporarily starting an air conditioner that had been turned OFF.
- 12. Quick start**  
At operation start, capacity priority operation is possible.
- 13. Individual airflow control**  
Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.
- 14. Infrared presence sensor**  
The sensor detects the presence of people in each of the 4 areas.
- 15. Infrared floor sensor**  
The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.
- 16. Auto airflow function**  
When this function is set, airflow direction can be directed toward or away from people when human presence is detected.
- 17. 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.
- 18. Swing pattern selection**  
You can freely set air discharge settings by remote controller.  

- 19. Draft prevention function (heating)**  
To prevent cold air drafts, automatically adjusts airflow to near horizontal position when heating initially starts or when the thermo off.
- 20. Switchable fan speed**  
High setting provides maximum reach while low setting minimises drafts.
- 21. Auto airflow rate**  
Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.
- 22. High fan speed mode**  
You can increase fan speed approximately 10% higher than the "high" setting.
- 23. 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.
- 24. 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.
- 25. Hot start**  
Cold air flow is avoided when heating operation starts or when switching to heat after defrosting.
- 26. 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.
- 27. 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.

## Cleanliness

- 28. Anti-bacterial air filter**  
The air filter has an anti-bacterial treatment to help prevent the growth of bacteria and mould on it.
- 29. Mould-proof air filter**  
Sanitary filter has mould-resistant treatment.
- 30. 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 odours and clogging.

## Work & Servicing

- 31. Auto grille panel**  
Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.
- 32. Drain pump mechanism**  
Steeper gradient realises more efficient condensate drainage. High-lift is especially useful for long lengths of drain piping.  

- 33. Pre-charged for up to 30 m**  
If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.
- 34. Long-life filter**  
Maintenance is not required for one year\*. The filter is washable and can be reused.  
\*For dust concentration of 0.15 mg/m<sup>3</sup>
- 35. 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.
- 36. 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.
- 37. Emergency operation**  
Even if there is a malfunction elsewhere in the system, the fan or compressor can still be operated. (depending on the malfunction)
- 38. 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.
- 39. Service contact display**  
When installing the unit, registration of the service contact is available to the wired remote controller.

## Control

- 40. 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.
- 41. Auto-cooling / heating change-over**  
Detects difference in preset temperature and actual room temperature and automatically switches to cooling or heating accordingly.
- 42. Control by 2 remote controllers**  
Using 2 remote controllers you can operate the equipment locally or from a remote location.  
\*When a wireless remote controller is used, it is not possible to use 2 wireless remote controllers.  
Combination of BRC1E63 (main) and BRC7M (sub) is available.
- 43. 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.)
- 44. External equipment interlock**  
Human presence is detected by the built-in infrared presence sensor in the sensing panel, and the presence detection signal can be output and interlocked with external equipment. Power conservation is possible though the interlock of external equipment, such as lighting, with the infrared presence sensor.  
\*Adaptor for Wiring (and installation box) is necessary.
- 45. External signal forced OFF and ON/OFF operation**  
The air conditioner can be interlocked with the keycard system and turned ON/OFF by locking and unlocking the room. The air conditioner can be also be turned OFF by the interlock with the ventilation and lighting OFF signal.  
\*Field setting with remote controller.
- 46. Key card and window / door interlock**  
The air conditioner can be interlocked with the window/door contact signal and turned OFF when the window/door is opened and turned ON when the window/door is closed for energy saving.  
\* Digital input adaptor (and installation box) is necessary.
- 47. External command control**  
Operation and monitoring is carried out using the contact signal from the operation control box in the building monitoring room.  
\*Wiring adaptor for electrical appendices (and installation box) is necessary.
- 48. Central remote control**  
Optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 km away.
- 49. Interlock control with Heat Reclaim Ventilator**  
Enables interlocking control with external equipment such as Heat Reclaim Ventilator.
- 50. DIII-NET communication standard**  
Connection to a centralised control system is available without need for an optional adaptor.

## Options

- 51. High-efficiency filter**  
Two types are available: 65% and 90% colorimetry.
- 52. Ultra long-life filter**  
Requires no maintenance for about 4 years\* (10,000h) in stores and offices.  
\*For dust concentration of 0.15 mg/m<sup>3</sup>
- 53. Fresh air intake kit**  
You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.



CEILING MOUNTED CASSETTE TYPE <Round Flow> Premium Inverter series (1 Phase)



Model Name		Indoor unit		50	60	71	85	100	125	140	
		Outdoor unit		FCA50CAVMA	FCA60CAVMA	FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA	
Power supply		1 Phase, 220-240V, 50Hz									
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW	5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (3.5-13.5)	12.5 (3.5-15.0)	14.0 (3.5-16.5)		
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW	6.0 (1.4-7.1)	7.1 (1.4-8.0)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	12.0 (3.5-14.5)	15.0 (3.5-17.5)	16.5 (3.5-19.5)		
Power consumption	Cooling <sup>1</sup>	kW	1.11	1.43	1.81	2.00	2.38	3.25	3.70		
	Heating <sup>2</sup>	kW	1.27	1.54	1.81	2.13	2.49	3.41	4.02		
EER	Cooling	kW/kW	4.51	4.21	3.93	4.25	4.21	3.85	3.78		
COP	Heating	kW/kW	4.73	4.61	4.42	4.70	4.81	4.40	4.10		
AEER*	Cooling		4.30	4.05	3.82	4.15	4.13	3.79	3.73		
ACOP*	Heating		4.54	4.46	4.31	4.59	4.72	4.34	4.05		
TCSPF* (Cooling) Commercial / Residential	Hot		6.32 / 5.74	6.00 / 5.48	5.59 / 5.15	5.77 / 5.35	7.55 / 6.50	7.02 / 6.10	6.75 / 5.92		
	Average		6.11 / 4.68	5.88 / 4.61	5.55 / 4.49	5.71 / 4.72	8.13 / 5.71	7.41 / 5.46	7.26 / 5.37		
	Cold		6.38 / 4.59	6.18 / 4.59	5.86 / 4.52	6.01 / 4.75	9.40 / 5.85	8.47 / 5.69	8.26 / 5.60		
HSPF* (Heating) Commercial / Residential	Hot		5.86 / 5.85	5.82 / 5.81	5.11 / 5.11	4.90 / 4.91	6.04 / 6.03	5.64 / 5.64	5.69 / 5.63		
	Average		5.49 / 5.25	5.42 / 5.15	4.82 / 4.64	4.72 / 4.63	5.63 / 5.30	5.23 / 4.93	5.21 / 4.81		
	Cold		4.96 / 4.64	4.83 / 4.48	4.35 / 4.09	4.35 / 4.19	5.11 / 4.73	4.71 / 4.33	4.66 / 4.22		
Indoor unit	Colour	Unit	—								
		Decoration panel	Fresh White								
	Airflow rate (H / HM / M / ML / L)	ℓ/s	383 / 350 / 308 / 267 / 225				608 / 558 / 500 / 442 / 383				
		m <sup>3</sup> /min	23.0 / 21.0 / 18.5 / 16.0 / 13.5				34.5 / 31.0 / 27.5 / 24.0 / 20.0				
	Sound pressure level <sup>4</sup> (H / HM / M / ML / L)	dB(A)	37.0 / 36.0 / 34.0 / 31.0 / 27.5				45.0 / 42.0 / 39.0 / 36.5 / 34.0				
			256×840×840				298×840×840				
	Dimensions (H×W×D)	Unit	256×840×840				298×840×840				
		Decoration panel	50×950×950								
	Machine weight	Unit	22				26				
		Decoration panel	5.5								
Certified operation range	Cooling	°CWB 14 to 25									
	Heating	°CDB 15 to 27									
Outdoor unit	Colour	Ivory White									
		Compressor	Type	Hermetically sealed swing type							
	Motor output		kW	1.30	2.40	3.30					
	Refrigerant charge (R-32)	kg	1.35 (Charged for 30 m)	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.20 (Charged for 40 m)	3.70 (Charged for 40 m)				
		Sound pressure level <sup>4</sup>	Cooling / Heating	48 / 51		48 / 50	52 / 53	49 / 50	50 / 51	52 / 53	
	Night quiet mode		44								
	Sound power level	dB(A)	68		67	71	68	—	—		
		Dimensions (H×W×D)	595×845×300		990×940×320			870×1,100×460			
	Machine weight	kg	45		69	78	93	95			
		Certified operation range	Cooling	°CDB -5 to 50							
Heating	°CWB -15 to 15.5										
Piping connections	Liquid (Flare)	mm	φ6.4		φ9.5						
	Gas (Flare)	mm	φ12.7		φ15.9						
	Drain	Indoor unit	VP25 (I.D. φ25×O.D. φ32)								
Outdoor unit		mm	φ26.0 (Hole)								
Max. interunit piping length		m	50 (Equivalent length 70)		75 (Equivalent length 90)		85 (Equivalent length 100)				
Max. installation height difference		m	30								
Heat insulation		Both liquid and gas piping									

CEILING MOUNTED CASSETTE TYPE <Round Flow> Premium Inverter series (3 Phase)



Model Name		Indoor unit		71	85	100	125	140	
		Outdoor unit		FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA	
Power supply		3 Phase, 380-415V, 50Hz							
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (3.5-13.5)	12.5 (3.5-15.0)	14.0 (3.5-16.5)		
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW	8.0 (3.5-9.0)	10.0 (4.1-11.2)	12.0 (3.5-14.5)	15.0 (3.5-17.5)	16.5 (3.5-19.5)		
Power consumption	Cooling <sup>1</sup>	kW	1.81	2.00	2.38	3.25	3.70		
	Heating <sup>2</sup>	kW	1.81	2.13	2.49	3.41	4.02		
EER	Cooling	kW/kW	3.93	4.25	4.21	3.85	3.78		
COP	Heating	kW/kW	4.42	4.70	4.81	4.40	4.10		
AEER*	Cooling		3.82	4.15	4.13	3.79	3.73		
ACOP*	Heating		4.31	4.59	4.72	4.34	4.05		
TCSPF* (Cooling) Commercial / Residential	Hot		5.59 / 5.15	5.77 / 5.35	7.55 / 6.50	7.02 / 6.10	6.75 / 5.92		
	Average		5.55 / 4.49	5.71 / 4.72	8.13 / 5.71	7.41 / 5.46	7.26 / 5.37		
	Cold		5.86 / 4.52	6.01 / 4.75	9.40 / 5.85	8.47 / 5.69	8.26 / 5.60		
HSPF* (Heating) Commercial / Residential	Hot		5.11 / 5.11	4.90 / 4.91	6.04 / 6.03	5.64 / 5.64	5.69 / 5.63		
	Average		4.82 / 4.64	4.72 / 4.63	5.63 / 5.30	5.23 / 4.93	5.21 / 4.81		
	Cold		4.35 / 4.09	4.35 / 4.19	5.11 / 4.73	4.71 / 4.33	4.66 / 4.22		
Indoor unit	Colour	Unit	—						
		Decoration panel	Fresh White						
	Airflow rate (H / HM / M / ML / L)	ℓ/s	383 / 350 / 308 / 267 / 225			608 / 558 / 500 / 442 / 383			
		m <sup>3</sup> /min	23.0 / 21.0 / 18.5 / 16.0 / 13.5			34.5 / 31.0 / 27.5 / 24.0 / 20.0			
	Sound pressure level <sup>4</sup> (H / HM / M / ML / L)	dB(A)	37.0 / 36.0 / 34.0 / 31.0 / 27.5			45.0 / 42.0 / 39.0 / 36.5 / 34.0			
			256×840×840			298×840×840			
	Dimensions (H×W×D)	Unit	256×840×840			298×840×840			
		Decoration panel	50×950×950						
	Machine weight	Unit	22			26			
		Decoration panel	5.5						
Certified operation range	Cooling	°CWB 14 to 25							
	Heating	°CDB 15 to 27							
Outdoor unit	Colour	Ivory White							
		Compressor	Type	Hermetically sealed swing type					
	Motor output		kW	2.40	3.30				
	Refrigerant charge (R-32)	kg	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.20 (Charged for 40 m)	3.70 (Charged for 40 m)			
		Sound pressure level <sup>4</sup>	Cooling / Heating	48 / 50		52 / 53	49 / 50	50 / 51	52 / 53
	Night quiet mode		44						
	Sound power level	dB(A)	67		71	68	—	—	
		Dimensions (H×W×D)	990×940×320			870×1,100×460			
	Machine weight	kg	69		78	93	95		
		Certified operation range	Cooling	°CDB -5 to 50					
Heating	°CWB -15 to 15.5								
Piping connections	Liquid (Flare)	mm	φ9.5						
	Gas (Flare)	mm	φ15.9						
	Drain	Indoor unit	VP25 (I.D. φ25×O.D. φ32)						
Outdoor unit		mm	φ26.0 (Hole)						
Max. interunit piping length		m	75 (Equivalent length 90)			85 (Equivalent length 100)			
Max. installation height difference		m	30						
Heat insulation		Both liquid and gas piping							

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>3</sup>Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.  
<sup>4</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.  
 ★ Values based on GEMS determination 2019.

**TCSPF: Total Cooling Seasonal Performance Factor**  
**HSPF: Heating Seasonal Performance Factor**

In simple terms, TCSPF & HSPF represents the ratio of the Total Cooling & Heating capacity of the air-conditioner relative to the Total energy consumed by the air-conditioner during the Total Cooling & Heating operation periods in a year. Whereas the previous index of AEER & ACOP was calculated using only one representative outdoor temperature (35°C for cooling and 7°C for heating), the new index of TCSPF & HSPF uses a broader range of annual outdoor temperatures\* as stipulated in AS/NZS 3823.4.1:2014. Further, the annual outdoor temperatures are based on zoning Australia/ New Zealand into three distinct climate zones (Hot/Average/Cold). This allows you to determine the performance efficiency of different air-conditioners by comparing their TCSPF & HSPF within the same climate zone.

\* Residential & Commercial TCSPF/HSPF are calculated based on different annual outdoor temperatures.





CEILING MOUNTED CASSETTE TYPE <Round Flow> Inverter series (1 Phase)

Model Name		Indoor unit		71	85	100	125	140	
		Outdoor unit		FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA	
				RZAC71CV1	RZAC85CV1	RZAC100CV1	RZAC125CV1	RZAC140FV1	
Power supply		1 Phase, 220-240V, 50Hz							
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW	7.1 (1.8-8.0)	8.5 (3.2-10.0)	10.0 (3.2-11.2)	12.5 (4.0-14.0)	14.0 (3.5-16.5)		
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW	8.0 (2.0-9.0)	10.0 (3.5-11.2)	11.2 (3.5-12.5)	14.0 (4.1-16.0)	16.0 (3.5-19.5)		
Power consumption	Cooling <sup>1</sup>	kW	1.83	2.25	2.67	3.53	4.18		
	Heating <sup>2</sup>	kW	1.95	2.42	2.74	3.63	4.20		
EER	Cooling	kW/kW	3.87	3.78	3.74	3.54	3.35		
COP	Heating	kW/kW	4.11	4.13	4.09	3.86	3.81		
AEER*	Cooling		3.77	3.70	3.68	3.49	3.31		
ACOP*	Heating		4.00	4.05	4.02	3.81	3.77		
TCSPF* (Cooling) Commercial / Residential	Hot		5.50 / 5.06	5.42 / 5.01	5.23 / 4.86	5.30 / 4.91	5.28 / 4.87		
	Average		5.45 / 4.38	5.42 / 4.45	5.23 / 4.38	5.38 / 4.48	5.76 / 4.54		
	Cold		5.74 / 4.40	5.74 / 4.51	5.54 / 4.45	5.75 / 4.62	6.23 / 4.69		
HSPF* (Heating) Commercial / Residential	Hot		5.10 / 5.09	4.55 / 4.56	4.56 / 4.56	4.66 / 4.66	5.49 / 5.35		
	Average		4.78 / 4.56	4.35 / 4.24	4.34 / 4.22	4.40 / 4.22	4.99 / 4.48		
	Cold		4.31 / 4.03	4.01 / 3.83	3.98 / 3.79	4.03 / 3.80	4.43 / 3.95		
Indoor unit	Colour	Unit	—						
		Decoration panel	Fresh White						
	Airflow rate (H / HM / M / ML / L)	ℓ/s	383 / 350 / 308 / 267 / 225		575 / 517 / 458 / 400 / 333		608 / 558 / 500 / 442 / 383		
		m <sup>3</sup> /min	23.0 / 21.0 / 18.5 / 16.0 / 13.5		34.5 / 31.0 / 27.5 / 24.0 / 20.0		36.5 / 33.5 / 30.0 / 26.5 / 23.0		
	Sound pressure level <sup>4</sup> (H / HM / M / ML / L)	dB(A)	37.0 / 36.0 / 34.0 / 31.0 / 27.5		45.0 / 42.0 / 39.0 / 36.5 / 34.0		46.0 / 43.5 / 41.0 / 38.5 / 36.0		
	Dimensions (H×W×D)	Unit	256×840×840		298×840×840				
		Decoration panel			50×950×950				
	Machine weight	Unit	22		26				
		Decoration panel			5.5				
Certified operation range	Cooling	°CWB		14 to 25					
	Heating	°CDB		15 to 27					
Outdoor unit	Colour	Ivory White							
		Hermetically sealed swing type							
	Compressor	Type	Hermetically sealed swing type						
		Motor output	kW	1.30	2.40	3.30			
	Refrigerant charge (R-32)	kg	1.70 (Charged for 30 m)	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.70 (Charged for 30 m)			
	Sound pressure level <sup>4</sup>	Cooling / Heating	dB(A)		48 / 51	51 / 54	52 / 54	53 / 56	53 / 54
		Night quiet mode	dB(A)		44	47	48	49	49
	Sound power level	dB(A)		68	70	71	—	—	
	Dimensions (H×W×D)	mm		595×840×300		990×940×320		870×1,100×460	
Machine weight	kg		45	69	78	95			
Certified operation range	Cooling	°CDB		-5 to 46					
	Heating	°CWB		-15 to 15.5					
Piping connections	Liquid (Flare)	mm		ø9.5					
	Gas (Flare)	mm		ø15.9					
	Drain	Indoor unit	mm		VP25 (I.D. ø25×O.D. ø32)				
		Outdoor unit	mm		ø26.0 (Hole)				
Max. interunit piping length	m		50 (Equivalent length 70)						
Max. installation height difference	m		30						
Heat insulation			Both liquid and gas piping						



CEILING MOUNTED CASSETTE TYPE <Round Flow> Inverter series (3 Phase)

Model Name		Indoor unit		85	100	125	140		
		Outdoor unit		FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA		
				RZAC85CY1	RZAC100CY1	RZAC125CY1	RZAC140FY1		
Power supply		3 Phase, 380-415V, 50Hz							
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW	8.5 (3.2-10.0)	10.0 (3.2-11.2)	12.5 (4.0-14.0)	14.0 (3.5-16.5)			
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW	10.0 (3.5-11.2)	11.2 (3.5-12.5)	14.0 (4.1-16.0)	16.0 (3.5-19.5)			
Power consumption	Cooling <sup>1</sup>	kW	2.25	2.67	3.53	4.18			
	Heating <sup>2</sup>	kW	2.42	2.74	3.63	4.20			
EER	Cooling	kW/kW	3.78	3.74	3.54	3.35			
COP	Heating	kW/kW	4.13	4.09	3.86	3.81			
AEER*	Cooling		3.70	3.68	3.49	3.31			
ACOP*	Heating		4.05	4.02	3.81	3.77			
TCSPF* (Cooling) Commercial / Residential	Hot		5.42 / 5.01	5.23 / 4.86	5.30 / 4.91	5.28 / 4.87			
	Average		5.42 / 4.45	5.23 / 4.38	5.38 / 4.48	5.76 / 4.54			
	Cold		5.74 / 4.51	5.54 / 4.45	5.75 / 4.62	6.23 / 4.69			
HSPF* (Heating) Commercial / Residential	Hot		4.55 / 4.56	4.56 / 4.56	4.66 / 4.66	5.49 / 5.35			
	Average		4.35 / 4.24	4.34 / 4.22	4.40 / 4.22	4.99 / 4.48			
	Cold		4.01 / 3.83	3.98 / 3.79	4.03 / 3.80	4.43 / 3.95			
Indoor unit	Colour	Unit	—						
		Decoration panel	Fresh White						
	Airflow rate (H / HM / M / ML / L)	ℓ/s	575 / 517 / 458 / 400 / 333		608 / 558 / 500 / 442 / 383				
		m <sup>3</sup> /min	34.5 / 31.0 / 27.5 / 24.0 / 20.0		36.5 / 33.5 / 30.0 / 26.5 / 23.0				
	Sound pressure level <sup>4</sup> (H / HM / M / ML / L)	dB(A)	45.0 / 42.0 / 39.0 / 36.5 / 34.0		46.0 / 43.5 / 41.0 / 38.5 / 36.0				
	Dimensions (H×W×D)	Unit	298×840×840		298×840×840				
		Decoration panel			50×950×950				
	Machine weight	Unit	26		26				
		Decoration panel			5.5				
Certified operation range	Cooling	°CWB		14 to 25					
	Heating	°CDB		15 to 27					
Outdoor unit	Colour	Ivory White							
		Hermetically sealed swing type							
	Compressor	Type	Hermetically sealed swing type						
		Motor output	kW	2.40	3.30				
	Refrigerant charge (R-32)	kg	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.70 (Charged for 30 m)				
	Sound pressure level <sup>4</sup>	Cooling / Heating	dB(A)		51 / 54	52 / 54	53 / 56	53 / 54	
		Night quiet mode	dB(A)		47	48	49	49	
	Sound power level	dB(A)		70	71	—	—		
	Dimensions (H×W×D)	mm		990×940×320		870×1,100×460			
Machine weight	kg		69	78	95				
Certified operation range	Cooling	°CDB		-5 to 46					
	Heating	°CWB		-15 to 15.5					
Piping connections	Liquid (Flare)	mm		ø9.5					
	Gas (Flare)	mm		ø15.9					
	Drain	Indoor unit	mm		VP25 (I.D. ø25×O.D. ø32)				
		Outdoor unit	mm		ø26.0 (Hole)				
Max. interunit piping length	m		50 (Equivalent length 70)						
Max. installation height difference	m		30						
Heat insulation			Both liquid and gas piping						

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>3</sup>Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.  
<sup>4</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.  
 ★ Values based on GEMS determination 2019.

**TCSPF: Total Cooling Seasonal Performance Factor**  
**HSPF: Heating Seasonal Performance Factor**

In simple terms, TCSPF & HSPF represents the ratio of the Total Cooling & Heating capacity of the air-conditioner relative to the Total energy consumed by the air-conditioner during the Total Cooling & Heating operation periods in a year. Whereas the previous index of AEER & ACOP was calculated using only one representative outdoor temperature (35°C for cooling and 7°C for heating), the new index of TCSPF & HSPF uses a broader range of annual outdoor temperatures\* as stipulated in AS/NZS 3823.4.1:2014.

Further, the annual outdoor temperatures are based on zoning Australia/ New Zealand into three distinct climate zones (Hot/Average/Cold). This allows you to determine the performance efficiency of different air-conditioners by comparing their TCSPF & HSPF within the same climate zone.

\* Residential & Commercial TCSPF/HSPF are calculated based on different annual outdoor temperatures.



COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE Inverter series (1 Phase)



Model Name		Indoor unit		25	35	50	60	71				
		Outdoor unit		FFA25AVM	FFA35AVM	FFA50AVM	FFA60AVM	FFA71AVM				
				RZAC25EVM	RZAC35EVM	RZAC50EVM	RZAC60EVM	RZAC71EVM				
Power supply		1 Phase, 220-240V / 220-230V, 50 / 60Hz										
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW	2.5 (1.2-3.0)		3.5 (1.3-4.0)		5.0 (1.5-6.0)		6.0 (1.5-7.0)		7.1 (1.5-7.6)	
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW	3.2 (1.0-3.7)		4.2 (1.0-4.3)		6.0 (1.4-7.0)		7.1 (1.4-8.0)		8.0 (1.4-8.4)	
Power consumption	Cooling <sup>1</sup>	kW	0.54		0.88		1.11		1.50		2.00	
	Heating <sup>2</sup>	kW	0.75		1.09		1.55		1.90		2.25	
EER	Cooling	kW/kW	4.63		3.98		4.50		4.00		3.55	
COP	Heating	kW/kW	4.27		3.85		3.87		3.74		3.56	
AEER*	Cooling		4.47		3.89		4.43		3.95		3.52	
ACOP*	Heating		4.16		3.79		3.82		3.70		3.53	
TCSPF* (Cooling) Commercial / Residential	Hot		6.08 / 5.61		5.71 / 5.27		6.19 / 5.77		5.91 / 5.49		5.35 / 4.97	
	Average		5.92 / 4.78		5.70 / 4.67		6.19 / 5.21		6.00 / 5.02		5.46 / 4.60	
	Cold		6.18 / 4.72		6.04 / 4.73		6.54 / 5.29		6.40 / 5.18		5.85 / 4.78	
HSPF* (Heating) Commercial / Residential	Hot		4.75 / 4.75		4.65 / 4.64		4.87 / 4.87		4.72 / 4.71		4.53 / 4.52	
	Average		4.52 / 4.39		4.33 / 4.13		4.56 / 4.34		4.41 / 4.19		4.23 / 4.02	
	Cold		4.14 / 3.93		3.87 / 3.58		4.12 / 3.84		3.98 / 3.70		3.84 / 3.58	
Indoor unit	Colour	Unit	—									
		Decoration panel	White									
	Airflow rate (H / M / L)	ℓ/s	150 / 133 / 108		167 / 142 / 108		200 / 167 / 125		250 / 208 / 158		258 / 208 / 158	
		m <sup>3</sup> /min	9.0 / 8.0 / 6.5		10.0 / 8.5 / 6.5		12.0 / 10.0 / 7.5		15.0 / 12.5 / 9.5		15.5 / 12.5 / 9.5	
	Sound pressure level <sup>4</sup> (H / M / L)	dB(A)	31.0 / 28.5 / 25.0		34.0 / 30.5 / 25.0		39.0 / 34.0 / 27.0		44.0 / 40.0 / 32.0		44.5 / 40.0 / 32.0	
	Sound power level	dB(A)	48		51		56		60			
	Dimensions (H×W×D)	Unit	260×575×575 (+63) <sup>5</sup>									
		Decoration panel	46×620×620									
	Machine weight	Unit	16				17.5					
		Decoration panel	2.8									
Certified operation range	Cooling	°CWB 14 to 23										
	Heating	°CDB 10 to 30										
Outdoor unit	Colour	Ivory White										
	Compressor	Type	Hermetically sealed swing type									
		Motor output	0.8		1.3							
	Refrigerant charge (R-32)	kg	0.73 (Charged for 10 m)			1.50 (Charged for 10 m)						
	Sound pressure level <sup>4</sup>	Cooling / Heating	46 / 47		48 / 48		49 / 52		53 / 55			
		Sound power level	59		61		62		64		67	
	Dimensions (H×W×D)	mm	550×675×284			695×930×350						
Machine weight	kg	28			54							
Certified operation range	Cooling	°CDB -10 to 46										
	Heating	°CWB -15 to 18										
Piping connections	Liquid (Flare)	mm	φ6.4		φ6.4		φ12.7					
	Gas (Flare)	mm	φ9.5		φ12.7							
	Drain	Indoor unit	VP20 (I.D. φ20×O.D. φ26)									
Outdoor unit		φ16.0 (Hole)										
Max. interunit piping length	m	20 (Equivalent length 45)			30 (Equivalent length 45)							
Max. installation height difference	m	15			20							
Heat insulation	Both liquid and gas piping											

CEILING SUSPENDED TYPE Premium Inverter series (1 Phase)



Model Name		Indoor unit		50	60	71	85	100	125	140						
		Outdoor unit		FHA50BAVMA	FHA60BAVMA	FHA71BVMA	FHA85BVMA	FHA100BVMA	FHA125BVMA	FHA140BVMA						
				RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100FV1	RZAV125FV1	RZAV140FV1						
Power supply		1 Phase, 220-240V, 50Hz														
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW	5.0 (1.4-6.0)		6.0 (1.4-7.1)		7.1 (3.2-8.0)		8.5 (4.0-10.0)		10.0 (3.5-12.0)		12.5 (3.5-14.0)		14.0 (3.5-15.0)	
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW	6.0 (1.4-7.1)		7.1 (1.4-8.0)		8.0 (3.5-9.0)		10.0 (4.1-11.2)		12.0 (3.5-14.0)		15.0 (3.5-16.0)		16.5 (3.5-18.0)	
Power consumption	Cooling <sup>1</sup>	kW	1.42		1.80		2.12		2.51		2.78		3.65		4.13	
	Heating <sup>2</sup>	kW	1.66		2.09		2.26		2.75		3.22		4.21		4.77	
EER	Cooling	kW/kW	3.51		3.33		3.35		3.38		3.60		3.42		3.39	
COP	Heating	kW/kW	3.62		3.39		3.54		3.63		3.73		3.56		3.46	
AEER*	Cooling		3.40		3.24		3.28		3.32		3.54		3.38		3.35	
ACOP*	Heating		3.51		3.32		3.47		3.57		3.68		3.52		3.43	
TCSPF* (Cooling) Commercial / Residential	Hot		5.66 / 5.10		5.24 / 4.76		5.02 / 4.61		5.22 / 4.80		6.84 / 5.88		6.08 / 5.32		6.00 / 5.27	
	Average		5.60 / 4.22		5.24 / 4.07		5.04 / 4.06		5.28 / 4.27		7.50 / 5.22		6.72 / 4.85		6.74 / 4.86	
	Cold		5.95 / 4.25		5.57 / 4.13		5.35 / 4.14		5.64 / 4.39		8.74 / 5.43		7.71 / 5.03		7.73 / 5.05	
HSPF* (Heating) Commercial / Residential	Hot		5.00 / 4.98		4.85 / 4.83		4.48 / 4.47		4.59 / 4.58		5.89 / 5.80		5.46 / 5.36		5.39 / 5.27	
	Average		4.61 / 4.33		4.42 / 4.11		4.18 / 3.98		4.31 / 4.12		5.26 / 4.71		4.87 / 4.34		4.80 / 4.28	
	Cold		4.16 / 3.82		3.89 / 3.52		3.80 / 3.54		3.95 / 3.71		4.61 / 4.07		4.21 / 3.68		4.16 / 3.64	
Indoor unit	Colour	Unit	White													
		Decoration panel	White													
	Airflow rate (H / HM / M / ML / L)	ℓ/s	250 / 225 / 200 / 183 / 167		342 / 313 / 283 / 258 / 233		467 / 433 / 400 / 367 / 333		517 / 483 / 450 / 417 / 383		567 / 525 / 483 / 442 / 400					
		m <sup>3</sup> /min	15.0 / 13.5 / 12.0 / 11.0 / 10.0		20.5 / 18.8 / 17.0 / 15.5 / 14.0		28.0 / 26.0 / 24.0 / 22.0 / 20.0		31.0 / 29.0 / 27.0 / 25.0 / 23.0		34.0 / 31.5 / 29.0 / 26.5 / 24.0					
	Sound pressure level <sup>4</sup> (H / HM / M / ML / L)	dB(A)	37.0 / 36.0 / 35.0 / 33.5 / 32.0		38.0 / 37.0 / 36.0 / 35.0 / 34.0		42.0 / 40.0 / 38.0 / 36.0 / 34.0		44.0 / 42.5 / 41.0 / 39.0 / 37.0		46.0 / 44.0 / 42.0 / 40.0 / 38.0					
	Dimensions (H×W×D)	mm	235×960×690			235×1,270×690			235×1,590×690							
	Machine weight	kg	25			32			38							
	Certified operation range	Cooling	°CWB 14 to 25													
		Heating	°CDB 15 to 27													
	Outdoor unit	Colour	Ivory White													
Compressor		Type	Hermetically sealed swing type													
		Motor output	1.30		2.40		3.30									
Refrigerant charge (R-32)		kg	1.35 (Charged for 30 m)		2.60 (Charged for 30 m)		2.90 (Charged for 30 m)		3.20 (Charged for 40 m)		3.70 (Charged for 40 m)					
Sound pressure level <sup>4</sup>		Cooling / Heating	48 / 51		48 / 50		52 / 53		49 / 50		50 / 51		52 / 53			
		Night quiet mode	44		48		45		46		48					
Sound power level		dB(A)	68		67		71		68		—		—			
Dimensions (H×W×D)	mm	595×845×300			990×940×320			870×1,100×460								
Machine weight	kg	45			69			78			93			95		
Certified operation range	Cooling	°CDB -5 to 50														
	Heating	°CWB -15 to 15.5														
Piping connections	Liquid (Flare)	mm	φ6.4		φ9.5											
	Gas (Flare)	mm	φ12.7		φ15.9											
	Drain	Indoor unit	VP20 (I.D. φ20×O.D. φ26)													
Outdoor unit		φ26.0 (Hole)														
Max. interunit piping length	m	50 (Equivalent length 70)			75 (Equivalent length 90)			85 (Equivalent length 100)								
Max. installation height difference	m	30														
Heat insulation	Both liquid and gas piping															

Note :

<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

<sup>3</sup>Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

<sup>4</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

<sup>5</sup>Dimension including Electric box.

★ Values based on GEMS determination 2019.

**TCSPF: Total Cooling Seasonal Performance Factor**  
**HSPF: Heating Seasonal Performance Factor**

In simple terms, TCSPF & HSPF represents the ratio of the Total Cooling & Heating capacity of the air-conditioner relative to the Total energy consumed by the air-conditioner during the Total Cooling & Heating operation periods in a year.

Whereas the previous index of AEER & ACOP was calculated using only one representative outdoor temperature (35°C for cooling and 7°C for heating), the new index of TCSPF & HSPF uses a broader range of annual outdoor temperatures\* as stipulated in AS/NZS 3823.4.1:2014.

Further, the annual outdoor temperatures are based on zoning Australia/ New Zealand into three distinct climate zones (Hot/Average/Cold). This allows you to determine the performance efficiency of different air-conditioners by comparing their TCSPF & HSPF within the same climate zone.

\* Residential & Commercial TCSPF/HSPF are calculated based on different annual outdoor temperatures.

CEILING SUSPENDED TYPE Premium Inverter series (3 Phase)



Model Name		Indoor unit		71	85	100	125	140			
		Outdoor unit		FHA71BVMA	FHA85BVMA	FHA100BVMA	FHA125BVMA	FHA140BVMA			
				RZAV71CY1	RZAV85CY1	RZAV100FY1	RZAV125FY1	RZAV140FY1			
Power supply		3 Phase, 380-415V, 50Hz									
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW		7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (3.5-12.0)	12.5 (3.5-14.0)	14.0 (3.5-15.0)			
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW		8.0 (3.5-9.0)	10.0 (4.1-11.2)	12.0 (3.5-14.0)	15.0 (3.5-16.0)	16.5 (3.5-18.0)			
Power consumption	Cooling <sup>1</sup>	kW		2.12	2.51	2.78	3.65	4.13			
	Heating <sup>2</sup>	kW		2.26	2.75	3.22	4.21	4.77			
EER	Cooling	kW/kW		3.35	3.38	3.60	3.42	3.39			
COP	Heating	kW/kW		3.54	3.63	3.73	3.56	3.46			
AEER*	Cooling			3.28	3.32	3.54	3.38	3.35			
ACOP*	Heating			3.47	3.57	3.68	3.52	3.43			
TCSPF* (Cooling) Commercial / Residential	Hot			5.02 / 4.61	5.22 / 4.80	6.84 / 5.88	6.08 / 5.32	6.00 / 5.27			
	Average			5.04 / 4.06	5.28 / 4.27	7.50 / 5.22	6.72 / 4.85	6.74 / 4.86			
	Cold			5.35 / 4.14	5.64 / 4.39	8.74 / 5.43	7.71 / 5.03	7.73 / 5.05			
HSPF* (Heating) Commercial / Residential	Hot			4.48 / 4.47	4.59 / 4.58	5.89 / 5.80	5.46 / 5.36	5.39 / 5.27			
	Average			4.18 / 3.98	4.31 / 4.12	5.26 / 4.71	4.87 / 4.34	4.80 / 4.28			
	Cold			3.80 / 3.54	3.95 / 3.71	4.61 / 4.07	4.21 / 3.68	4.16 / 3.64			
Indoor unit	Colour		White								
	Airflow rate (H / HM / M / ML / L)	ℓ/s	342 / 313 / 283 / 258 / 233		467 / 433 / 400 / 367 / 333		517 / 483 / 450 / 417 / 383		567 / 525 / 483 / 442 / 400		
		m <sup>3</sup> /min	20.5 / 18.8 / 17.0 / 15.5 / 14.0		28.0 / 26.0 / 24.0 / 22.0 / 20.0		31.0 / 29.0 / 27.0 / 25.0 / 23.0		34.0 / 31.5 / 29.0 / 26.5 / 24.0		
	Sound pressure level <sup>4</sup> (H / HM / M / ML / L)	dB(A)		38.0 / 37.0 / 36.0 / 35.0 / 34.0		42.0 / 40.0 / 38.0 / 36.0 / 34.0		44.0 / 42.5 / 41.0 / 39.0 / 37.0		46.0 / 44.0 / 42.0 / 40.0 / 38.0	
	Dimensions (H×W×D)	mm		235×1,270×690		235×1,590×690		235×1,590×690		235×1,590×690	
	Machine weight	kg		32		38		38		38	
	Certified operation range	Cooling	°CWB		14 to 25						
Heating		°CDB		15 to 27							
Outdoor unit	Colour		Ivory White								
	Compressor	Type	Hermetically sealed swing type								
		Motor output	kW		2.40						
	Refrigerant charge (R-32)	kg		2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.20 (Charged for 40 m)	3.70 (Charged for 40 m)				
	Sound pressure level <sup>4</sup>	Cooling / Heating	dB(A)		48 / 50	52 / 53	49 / 50	50 / 51	52 / 53		
		Night quiet mode	dB(A)		44	48	45	46	48		
	Sound power level	dB(A)		67	71	68	—	—			
	Dimensions (H×W×D)	mm		990×940×320		870×1,100×460					
	Machine weight	kg		69	78	93	95				
	Certified operation range	Cooling	°CDB		-5 to 50						
Heating		°CWB		-15 to 15.5							
Piping connections	Liquid (Flare)	mm		φ9.5							
	Gas (Flare)	mm		φ15.9							
	Drain	Indoor unit	VP20 (I.D. φ20×O.D. φ26)								
Outdoor unit		mm		φ26.0 (Hole)							
Max. interunit piping length	m		75 (Equivalent length 90)			85 (Equivalent length 100)					
Max. installation height difference	m		30								
Heat insulation			Both liquid and gas piping								

WALL MOUNTED TYPE Premium Inverter series (1 Phase)



Model Name		Indoor unit		50	60	71	85	100	
		Outdoor unit		FTXC50AV1A	FTXC60AV1A	FTXC71AV1A	FTXC85AV1A	FTXC100AV1A	
				RXC50AV1A	RXC60AV1A	RXC71AV1A	RXC85AV1A	RXC100AV1A	
Power supply		1 Phase, 220-240V, 50Hz							
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW		5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW		6.0 (1.4-7.1)	7.1 (1.4-8.0)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	
Power consumption	Cooling <sup>1</sup>	kW		1.45	1.80	2.22	2.59	3.11	
	Heating <sup>2</sup>	kW		1.61	2.05	2.37	3.01	3.48	
EER	Cooling	kW/kW		3.45	3.34	3.20	3.28	3.22	
COP	Heating	kW/kW		3.73	3.46	3.38	3.32	3.22	
AEER*	Cooling			3.33	3.24	3.13	3.22	3.17	
ACOP*	Heating			3.61	3.38	3.31	3.27	3.17	
TCSPF* (Cooling) Commercial / Residential	Hot			5.31 / 4.81	5.02 / 4.58	4.86 / 4.46	5.01 / 4.61	5.03 / 4.63	
	Average			5.24 / 4.02	4.99 / 3.94	4.89 / 3.94	5.07 / 4.12	5.13 / 4.18	
	Cold			5.55 / 4.03	5.29 / 3.98	5.20 / 4.02	5.41 / 4.23	5.49 / 4.33	
HSPF* (Heating) Commercial / Residential	Hot			5.39 / 5.36	5.16 / 5.13	4.47 / 4.46	4.49 / 4.48	4.66 / 4.64	
	Average			4.96 / 4.64	4.71 / 4.38	4.16 / 3.94	4.17 / 3.93	4.25 / 3.95	
	Cold			4.50 / 4.14	4.22 / 3.84	3.79 / 3.52	3.77 / 3.49	3.77 / 3.42	
Indoor unit	Colour		Fresh white						
	Airflow rate (H / M / L)	ℓ/s	300 / 267 / 233		433 / 383 / 317				
		m <sup>3</sup> /min	18.0 / 16.0 / 14.0		26.0 / 23.0 / 19.0				
	Sound pressure level <sup>4</sup> (H / M / L)	dB(A)		45.0 / 42.0 / 40.0		49.0 / 45.0 / 41.0			
	Sound power level (H / M / L)	dB(A)		61 / 58 / 56		65 / 62 / 58			
	Dimensions (H×W×D)	mm		290×1,050×238		340×1,200×240			
	Machine weight	kg		13		17			
	Certified operation range	Cooling	°CWB		14 to 25				
		Heating	°CDB		15 to 27				
	Outdoor unit	Colour		Ivory White					
Compressor		Type	Hermetically sealed swing type						
		Motor output	kW		1.3				
Refrigerant charge (R-32)		kg		1.35 (Charged for 30 m)	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.75 (Charged for 30 m)		
Sound pressure level <sup>4</sup>		Cooling / Heating	dB(A)		48 / 51	48 / 50	52 / 53	51 / 53	
		Night quiet mode	dB(A)		44	48	47	47	
Sound power level		dB(A)		68	67	71	70		
Dimensions (H×W×D)		mm		595×845×300	990×940×320		1,430×940×320		
Machine weight		kg		45	69	78	93		
Certified operation range		Cooling	°CDB		-5 to 50				
	Heating	°CWB		-15 to 15.5					
Piping connections	Liquid (Flare)	mm		φ6.4		φ9.5			
	Gas (Flare)	mm		φ12.7		φ15.9			
	Drain	Indoor unit	VP13 (I.D. φ13×O.D. φ18)						
Outdoor unit		mm		φ26.0 (Hole)					
Max. interunit piping length	m		50 (Equivalent length 70)			75 (Equivalent length 90)			
Max. installation height difference	m		30						
Heat insulation			Both liquid and gas piping						

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>3</sup>Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.  
<sup>4</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.  
 ★ Values based on GEMS determination 2019.

**TCSPF: Total Cooling Seasonal Performance Factor**  
**HSPF: Heating Seasonal Performance Factor**  
 In simple terms, TCSPF & HSPF represents the ratio of the Total Cooling & Heating capacity of the air-conditioner relative to the Total energy consumed by the air-conditioner during the Total Cooling & Heating operation periods in a year.  
 Whereas the previous index of AEER & ACOP was calculated using only one representative outdoor temperature (35°C for cooling and 7°C for heating), the new index of TCSPF & HSPF uses a broader range of annual outdoor temperatures\* as stipulated in AS/NZS 3823.4.1:2014.  
 Further, the annual outdoor temperatures are based on zoning Australia/ New Zealand into three distinct climate zones (Hot/Average/Cold). This allows you to determine the performance efficiency of different air-conditioners by comparing their TCSPF & HSPF within the same climate zone.  
 \* Residential & Commercial TCSPF/HSPF are calculated based on different annual outdoor temperatures.



WALL MOUNTED TYPE Premium Inverter series (3 Phase)



Model Name		Indoor unit		71	85	100	
		Outdoor unit		FAA71BVMA	FAA85BVMA	FAA100BVMA	
				RZAV71CY1	RZAV85CY1	RZAV100CY1	
Power supply		3 Phase, 380-415V, 50Hz					
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW		7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW		8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	
Power consumption	Cooling <sup>1</sup>	kW		2.22	2.59	3.11	
	Heating <sup>2</sup>	kW		2.37	3.01	3.48	
EER	Cooling	kW/kW		3.20	3.28	3.22	
COP	Heating	kW/kW		3.38	3.32	3.22	
AEER*	Cooling			3.13	3.22	3.17	
ACOP*	Heating			3.31	3.27	3.17	
TCSPF* (Cooling) Commercial / Residential	Hot			4.86 / 4.46	5.01 / 4.61	5.03 / 4.63	
	Average			4.89 / 3.94	5.07 / 4.12	5.13 / 4.18	
	Cold			5.20 / 4.02	5.41 / 4.23	5.49 / 4.33	
HSPF* (Heating) Commercial / Residential	Hot			4.47 / 4.46	4.49 / 4.48	4.66 / 4.64	
	Average			4.16 / 3.94	4.17 / 3.93	4.25 / 3.95	
	Cold			3.79 / 3.52	3.77 / 3.49	3.77 / 3.42	
Indoor unit	Colour		Fresh White				
	Airflow rate (H / M / L)	ℓ/s	300 / 267 / 233				
		m <sup>3</sup> /min	18.0 / 16.0 / 14.0				
	Sound pressure level <sup>4</sup> (H / M / L)	dB(A)		45.0 / 42.0 / 40.0			
	Dimensions (H×W×D)	mm		290×1,050×238			
	Machine weight	kg		13			
	Certified operation range	Cooling	°CWB		14 to 25		
Heating		°CDB		15 to 27			
Outdoor unit	Colour		Ivory White				
	Compressor	Type	Hermetically sealed swing type				
		Motor output	kW		3.30		
	Refrigerant charge (R-32)	kg		2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.75 (Charged for 30 m)	
	Sound pressure level <sup>4</sup>	Cooling / Heating	dB(A)		48 / 50		
		Night quiet mode	dB(A)		44		
	Sound power level	dB(A)		67			
	Dimensions (H×W×D)	mm		990×940×320			
	Machine weight	kg		69			
	Certified operation range	Cooling	°CDB		-5 to 50		
Heating		°CWB		-15 to 15.5			
Piping connections	Liquid (Flare)	mm		ø9.5			
	Gas (Flare)	mm		ø15.9			
	Drain	Indoor unit	VP13 (I.D. ø13×O.D. ø18)				
Outdoor unit		mm		ø26.0 (Hole)			
Max. interunit piping length	m		75 (Equivalent length 90)				
Max. installation height difference	m		30				
Heat insulation	Both liquid and gas piping						

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>3</sup>Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.  
<sup>4</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.  
 ★ Values based on GEMS determination 2019.

**TCSPF: Total Cooling Seasonal Performance Factor**  
**HSPF: Heating Seasonal Performance Factor**  
 In simple terms, TCSPF & HSPF represents the ratio of the Total Cooling & Heating capacity of the air-conditioner relative to the Total energy consumed by the air-conditioner during the Total Cooling & Heating operation periods in a year.  
 Whereas the previous index of AEER & ACOP was calculated using only one representative outdoor temperature (35°C for cooling and 7°C for heating), the new index of TCSPF & HSPF uses a broader range of annual outdoor temperatures\* as stipulated in AS/NZS 3823.4.1:2014.  
 Further, the annual outdoor temperatures are based on zoning Australia/ New Zealand into three distinct climate zones (Hot/Average/Cold). This allows you to determine the performance efficiency of different air-conditioners by comparing their TCSPF & HSPF within the same climate zone.  
 \* Residential & Commercial TCSPF/HSPF are calculated based on different annual outdoor temperatures.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE Premium Inverter series (1 Phase)



Model Name		Indoor unit		50	60	71	85	100	125	140		
		Outdoor unit		FBA50BAVMA	FBA60BAVMA	FBA71BVMA	FBA85BVMA	FBA100BVMA	FBA125BVMA	FBA140BVMA		
				RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100FV1	RZAV125FV1	RZAV140FV1		
Power supply		Indoor unit		1 Phase, 220-240V, 50Hz								
		Outdoor unit		1 Phase, 220-240V, 50Hz								
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW		5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (3.5-11.5)	12.5 (3.5-14.0)	14.0 (3.5-15.0)		
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW		6.0 (1.4-7.1)	7.1 (1.4-8.0)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	12.0 (3.5-14.0)	15.0 (3.5-16.5)	16.5 (3.5-18.0)		
Power consumption	Cooling <sup>1</sup>	kW		1.37	1.67	2.02	2.30	2.79	3.68	4.28		
	Heating <sup>2</sup>	kW		1.41	1.71	1.99	2.50	2.92	3.88	4.52		
EER	Cooling	kW/kW		3.65	3.60	3.51	3.70	3.58	3.40	3.27		
COP	Heating	kW/kW		4.26	4.14	4.02	4.00	4.11	3.87	3.65		
AEER*	Cooling			3.52	3.48	3.43	3.62	3.52	3.36	3.23		
ACOP*	Heating			4.10	4.03	3.93	3.92	4.04	3.82	3.61		
TCSPF* (Cooling) Commercial / Residential	Hot			5.07 / 4.64	4.98 / 4.59	4.88 / 4.52	5.18 / 4.80	6.46 / 5.55	5.64 / 5.04	5.50 / 4.90		
	Average			4.95 / 3.90	4.90 / 3.94	4.85 / 3.99	5.16 / 4.27	6.91 / 4.91	6.22 / 4.63	6.09 / 4.53		
	Cold			5.18 / 3.86	5.15 / 3.94	5.12 / 4.02	5.46 / 4.33	8.00 / 5.06	7.00 / 4.78	6.88 / 4.69		
HSPF* (Heating) Commercial / Residential	Hot			5.01 / 5.01	4.94 / 4.94	4.49 / 4.49	4.64 / 4.64	5.61 / 5.57	5.38 / 5.32	5.35 / 5.24		
	Average			4.74 / 4.57	4.66 / 4.47	4.27 / 4.14	4.41 / 4.27	5.14 / 4.75	4.90 / 4.49	4.84 / 4.35		
	Cold			4.34 / 4.11	4.22 / 3.96	3.91 / 3.71	4.06 / 3.86	4.61 / 4.18	4.32 / 3.88	4.25 / 3.77		
Indoor unit	Colour		Ivory White									
	Fan	Airflow rate (H / M / L)	ℓ/s	300 / 250 / 208		383 / 325 / 267		533 / 450 / 375		600 / 508 / 417		
			m <sup>3</sup> /min	18.0 / 15.0 / 12.5		23.0 / 19.5 / 16.0		32.0 / 27.0 / 22.5		36.0 / 30.5 / 25.0		
	External static pressure <sup>4</sup>		Rated 50 (50-150)									
	Sound pressure level <sup>5</sup> (H / M / L)	dB(A)		35.0 / 33.0 / 31.0			38.0 / 35.0 / 33.0		38.0 / 35.5 / 33.0		40.0 / 37.5 / 35.0	
	Sound power level (H)	dB(A)		63			66		68			
	Air filter <sup>6</sup>		—									
	Dimensions (H×W×D)	mm		245×1,000×800				245×1,400×800				
	Machine weight	kg		37				47				
	Certified operation range	Cooling	°CWB		14 to 25							
Heating		°CDB		15 to 27								
Outdoor unit	Colour		Ivory White									
	Compressor	Type	Hermetically sealed swing type									
		Motor output	kW		1.30		2.40		3.30			
	Refrigerant charge (R-32)	kg		1.35 (Charged for 30 m)	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.20 (Charged for 40 m)	3.70 (Charged for 40 m)				
	Sound pressure level <sup>5</sup>	Cooling / Heating	dB(A)		48 / 51		48 / 50		52 / 53		49 / 50	
		Night quiet mode	dB(A)		44		48		45		46	
	Sound power level	dB(A)		68		67		71		68		
	Dimensions (H×W×D)	mm		595×845×300			990×940×320			870×1,100×460		
	Machine weight	kg		45		69		78		93		
	Certified operation range	Cooling	°CDB		-5 to 50							
Heating		°CWB		-15 to 15.5								
Piping connections	Liquid (Flare)	mm		ø6.4			ø9.5					
	Gas (Flare)	mm		ø12.7			ø15.9					
	Drain	Indoor unit	VP25 (I.D. ø25×O.D. ø32)									
Outdoor unit		mm		ø26.0 (Hole)								
Max. interunit piping length	m		50 (Equivalent length 70)		75 (Equivalent length 90)		85 (Equivalent length 100)					
Max. installation height difference	m		30									
Heat insulation	Both liquid and gas piping											

Note :  
<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).  
<sup>3</sup>Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.  
<sup>4</sup>External static pressure is changeable in 11 stages by remote controller.  
<sup>5</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.  
<sup>6</sup>Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.  
 ★ Values based on GEMS determination 2019.

**TCSPF: Total Cooling Seasonal Performance Factor**  
**HSPF: Heating Seasonal Performance Factor**  
 In simple terms, TCSPF & HSPF represents the ratio of the Total Cooling & Heating capacity of the air-conditioner relative to the Total energy consumed by the air-conditioner during the Total Cooling & Heating operation periods in a year.  
 Whereas the previous index of AEER & ACOP was calculated using only one representative outdoor temperature (35°C for cooling and 7°C for heating), the new index of TCSPF & HSPF uses a broader range of annual outdoor temperatures\* as stipulated in AS/NZS 3823.4.1:2014.  
 Further, the annual outdoor temperatures are based on zoning Australia/ New Zealand into three distinct climate zones (Hot/Average/Cold). This allows you to determine the performance efficiency of different air-conditioners by comparing their TCSPF & HSPF within the same climate zone.  
 \* Residential & Commercial TCSPF/HSPF are calculated based on different annual outdoor temperatures.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE Premium Inverter series (3 Phase)



Model Name		Indoor unit		71	85	100	125	140	
		Outdoor unit		FBA71BVMA	FBA85BVMA	FBA100BVMA	FBA125BVMA	FBA140BVMA	
				RZAV71CY1	RZAV85CY1	RZAV100FY1	RZAV125FY1	RZAV140FY1	
Power supply	Indoor unit	1 Phase, 220-240V, 50Hz							
	Outdoor unit	3 Phase, 380-415V, 50Hz							
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (3.5-11.5)	12.5 (3.5-14.0)	14.0 (3.5-15.0)		
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW	8.0 (3.5-9.0)	10.0 (4.1-11.2)	12.0 (3.5-14.0)	15.0 (3.5-16.5)	16.5 (3.5-18.0)		
Power consumption	Cooling <sup>1</sup>	kW	2.02	2.30	2.79	3.68	4.28		
	Heating <sup>2</sup>	kW	1.99	2.50	2.92	3.88	4.52		
EER	Cooling	kW/kW	3.51	3.70	3.58	3.40	3.27		
COP	Heating	kW/kW	4.02	4.00	4.11	3.87	3.65		
AEER*	Cooling		3.43	3.62	3.52	3.36	3.23		
ACOP*	Heating		3.93	3.92	4.04	3.82	3.61		
TCSPF* (Cooling) Commercial / Residential	Hot		4.88 / 4.52	5.18 / 4.80	6.46 / 5.55	5.64 / 5.04	5.50 / 4.90		
	Average		4.85 / 3.99	5.16 / 4.27	6.91 / 4.91	6.22 / 4.63	6.09 / 4.53		
	Cold		5.12 / 4.02	5.46 / 4.33	8.00 / 5.06	7.00 / 4.78	6.88 / 4.69		
HSPF* (Heating) Commercial / Residential	Hot		4.49 / 4.49	4.64 / 4.64	5.61 / 5.57	5.38 / 5.32	5.35 / 5.24		
	Average		4.27 / 4.14	4.41 / 4.27	5.14 / 4.75	4.90 / 4.49	4.84 / 4.35		
	Cold		3.91 / 3.71	4.06 / 3.86	4.61 / 4.18	4.32 / 3.88	4.25 / 3.77		
Indoor unit	Colour	Unit	Ivory White						
	Fan	Airflow rate (H / M / L)	ℓ/s	383 / 325 / 267		533 / 450 / 375		600 / 508 / 417	
			m <sup>3</sup> /min	23.0 / 19.5 / 16.0		32.0 / 27.0 / 22.5		36.0 / 30.5 / 25.0	
		External static pressure <sup>4</sup>	Rated 50 (50-150)						
	Sound pressure level <sup>5</sup> (H / M / L)	dB(A)	38.0 / 35.0 / 33.0		38.0 / 35.5 / 33.0		40.0 / 37.5 / 35.0		
	Sound power level (H)	dB(A)	66				68		
	Air filter <sup>6</sup>	—							
	Dimensions (H×W×D)	mm	245×1,000×800		245×1,400×800				
	Machine weight	kg	37		47				
	Certified operation range	Cooling	°CWB	14 to 25					
Heating		°CDB	15 to 27						
Outdoor unit	Colour	Unit	Ivory White						
	Compressor	Type	Hermetically sealed swing type						
		Motor output	kW	2.40		3.30			
	Refrigerant charge (R-32)	kg	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.20 (Charged for 40 m)	3.70 (Charged for 40 m)			
	Sound pressure level <sup>5</sup>	Cooling / Heating	dB(A)	48 / 50	52 / 53	49 / 50	50 / 51	52 / 53	
		Night quiet mode	dB(A)	44	48	45	46	48	
	Sound power level	dB(A)	67	71	68	—			
	Dimensions (H×W×D)	mm	990×940×320		870×1,100×460				
	Machine weight	kg	69	78	93	95			
	Certified operation range	Cooling	°CDB	-5 to 50					
Heating		°CWB	-15 to 15.5						
Piping connections	Liquid (Flare)	mm	ø9.5						
	Gas (Flare)	mm	ø15.9						
	Drain	Indoor unit	mm	VP25 (I.D. ø25×O.D. ø32)					
Outdoor unit		mm	ø26.0 (Hole)						
Max. interunit piping length	m	75 (Equivalent length 90)			85 (Equivalent length 100)				
Max. installation height difference	m	30							
Heat insulation	Both liquid and gas piping								

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE Inverter series (1 Phase, 3 Phase)



Model Name		Indoor unit		71	85		
		Outdoor unit		FBA71BVMA	FBA85BVMA		
				RZAC71CV1	RZAC85CV1	RZAC85CY1	
Power supply	Indoor unit	1 Phase, 220-240V, 50Hz					
	Outdoor unit	1 Phase, 220-240V, 50Hz		3 Phase, 380-415V, 50Hz			
Cooling capacity <sup>1,3</sup> Rated (Min. - Max.)		kW	7.1 (1.8-8.0)	8.5 (3.2-10.0)			
Heating capacity <sup>2,3</sup> Rated (Min. - Max.)		kW	8.0 (2.0-9.0)	10.0 (3.5-11.2)			
Power consumption	Cooling <sup>1</sup>	kW	2.15	2.64			
	Heating <sup>2</sup>	kW	2.30	2.95			
EER	Cooling	kW/kW	3.30	3.22			
COP	Heating	kW/kW	3.47	3.39			
AEER*	Cooling		3.22	3.16			
ACOP*	Heating		3.40	3.34			
TCSPF* (Cooling) Commercial / Residential	Hot		4.51 / 4.18	4.67 / 4.33			
	Average		4.47 / 3.69	4.70 / 3.88			
	Cold		4.71 / 3.71	4.99 / 3.96			
HSPF* (Heating) Commercial / Residential	Hot		3.95 / 3.96	4.25 / 4.24			
	Average		3.79 / 3.68	4.00 / 3.83			
	Cold		3.55 / 3.42	3.70 / 3.49			
Indoor unit	Colour	Unit	Ivory White				
	Fan	Airflow rate (H / M / L)	ℓ/s	383 / 325 / 267		533 / 450 / 375	
			m <sup>3</sup> /min	23.0 / 19.5 / 16.0		32.0 / 27.0 / 22.5	
		External static pressure <sup>4</sup>	Rated 50 (50-150)				
	Sound pressure level <sup>5</sup> (H / M / L)	dB(A)	38.0 / 35.0 / 33.0		38.0 / 35.5 / 33.0		
	Sound power level (H)	dB(A)	66				
	Air filter <sup>6</sup>	—					
	Dimensions (H×W×D)	mm	245×1,000×800		245×1,400×800		
	Machine weight	kg	37		47		
	Certified operation range	Cooling	°CWB	14 to 25			
Heating		°CDB	15 to 27				
Outdoor unit	Colour	Unit	Ivory White				
	Compressor	Type	Hermetically sealed swing type				
		Motor output	kW	1.30		2.40	
	Refrigerant charge (R-32)	kg	1.70 (Charged for 30 m)	2.60 (Charged for 30 m)			
	Sound pressure level <sup>5</sup>	Cooling / Heating	dB(A)	48 / 51	51 / 54		
		Night quiet mode	dB(A)	44	47		
	Sound power level	dB(A)	68	70			
	Dimensions (H×W×D)	mm	595×845×300		990×940×320		
	Machine weight	kg	45	69			
	Certified operation range	Cooling	°CDB	-5 to 46			
Heating		°CWB	-15 to 15.5				
Piping connections	Liquid (Flare)	mm	ø9.5				
	Gas (Flare)	mm	ø15.9				
	Drain	Indoor unit	mm	VP25 (I.D. ø25×O.D. ø32)			
Outdoor unit		mm	ø26.0 (Hole)				
Max. interunit piping length	m	50 (Equivalent length 70)					
Max. installation height difference	m	30					
Heat insulation	Both liquid and gas piping						

Note :

<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

<sup>3</sup>Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

<sup>4</sup>External static pressure is changeable in 11 stages by remote controller.

<sup>5</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

<sup>6</sup>Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.

★ Values based on GEMS determination 2019.

**TCSPF: Total Cooling Seasonal Performance Factor**  
**HSPF: Heating Seasonal Performance Factor**

In simple terms, TCSPF & HSPF represents the ratio of the Total Cooling & Heating capacity of the air-conditioner relative to the Total energy consumed by the air-conditioner during the Total Cooling & Heating operation periods in a year.

Whereas the previous index of AEER & ACOP was calculated using only one representative outdoor temperature (35°C for cooling and 7°C for heating), the new index of TCSPF & HSPF uses a broader range of annual outdoor temperatures\* as stipulated in AS/NZS 3823.4.1:2014.

Further, the annual outdoor temperatures are based on zoning Australia/ New Zealand into three distinct climate zones (Hot/Average/Cold). This allows you to determine the performance efficiency of different air-conditioners by comparing their TCSPF & HSPF within the same climate zone.

\* Residential & Commercial TCSPF/HSPF are calculated based on different annual outdoor temperatures.



Indoor unit

CEILING MOUNTED CASSETTE TYPE <Round Flow>



No.	Name of option	Remark	Kit name								
			FCA50CAVMA	FCA60CAVMA	FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA		
1	Decoration panel	Standard panel with Sensing	Fresh white				BYCQ125EEF				
			Black				BYCQ125EEK				
		Standard panel	Fresh white				BYCQ125EAF				
			Black				BYCQ125EAK				
2	Sealing material of air discharge outlet <sup>3</sup>	For usage of 3-, 4-way flow	Fresh white				BYCQ125EBSF				
			Black				BYCQ125EBSF				
3	Panel spacer	For usage of 3-, 4-way flow				KDBH551C160					
4	Fresh air intake kit	Chamber type <sup>4,5</sup>	Without T-duct joint				KDDP55C160 (Components: KDDP55C160-1, KDDP55C160-2) <sup>7</sup>				
			With T-duct joint				KDDP55C160K (Components: KDDP55C160-1, KDDP55C160K2) <sup>7</sup>				
			Direct installation type <sup>6</sup>				KDDP55X160A				
5	High-efficiency filter unit <sup>8</sup> (Including filter chamber)	(Colorimetric method 65%)		KAF556D80			KAF556D160				
			(Colorimetric method 90%)		KAF557D80			KAF557D160			
			(Colorimetric method 65%)		KAF552D80			KAF552D160			
6	Replacement high-efficiency filter <sup>8,9</sup>	(Colorimetric method 90%)		KAF553D80			KAF553D160				
			(Colorimetric method 65%)		KAF553D80			KAF553D160			
7	Filter chamber					KDDP55C160					
8	High performance prefilter (MERV 8 filter) <sup>8</sup>					BAF552A160					
9	Replacement long-life filter					KAF551D160					
10	Replacement long-life filter (Auto grille panel)					KAF5512D160					
11	Ultra long-life filter unit (Including filter chamber) <sup>8</sup>					KAF555D160					
12	Replacement ultra long-life filter <sup>8,9</sup>					KAF550D160					
13	Branch duct chamber <sup>2</sup>					KDJP55C80			KDJP55C160		
14	Insulation kit for high humidity <sup>8,10</sup>					KDTP55K80A			KDTP55K160A		
15	Remote controller	Wireless type	Heat pump				BRC7M634F (Fresh white) / BRC7M634K (Black)				
16	Stylish remote controller	Wired type <sup>11</sup>					BRC1H62W (White) / BRC1H62K (Black)				
17	Navigation remote controller	Wired type <sup>11</sup> "Nav Ease"					BRC1E63				
18	Central remote controller <sup>12</sup>						DCS302CA61				
19	Unified ON/OFF controller <sup>12</sup>						DCS301BA61				
20	Schedule timer <sup>12</sup>						DST301BA61				
21	intelligent Touch Controller <sup>12</sup>						DCS601C51				
22	Adaptor for wiring <sup>13</sup>						BRP11B62				
23	Wiring adaptor for electrical appendices <sup>13</sup>						KRP4AA53				
24	Installation box for adaptor PCB						KRP1H98A				
25	Remote sensor (for indoor temperature)						BRC501A-5				
26	Wireless LAN connecting adaptor						BRP072C42-1				
27	Digital input adaptor <sup>13</sup>						BRP7A52				

Note:  
<sup>1</sup>A dedicated remote controller for the auto grille panel is included for lowering and raising the suction grille.  
<sup>2</sup>When installing auto grille panel, body height (ceiling required dimension) is 55 mm higher than standard panel.  
<sup>3</sup>Circulation airflow is not available with this option.  
<sup>4</sup>When installing a fresh air intake kit (chamber type), two air outlet corners are closed.  
<sup>5</sup>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 sensing.  
<sup>6</sup>The volume of fresh air for direct installation type is approximately 1% of the indoor unit airflow. The chamber type is recommended when more fresh air is necessary.  
<sup>7</sup>Please order using the names of both components instead of set name.  
<sup>8</sup>This option cannot be installed to auto grille panel.  
<sup>9</sup>Filter chamber is required.  
<sup>10</sup>Please use in case temperature/humidity inside ceiling may get over 30°C, 80% RH.  
<sup>11</sup>Wiring for wired remote controller should be obtained locally.  
<sup>12</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
<sup>13</sup>Installation box for adaptor PCB (KRP1H98A) is necessary.

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

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

All-round flow 4-way flow		Optional accessory parts							
Independently installable optional parts		Auto grille panel	Panel spacer <sup>1</sup>	Fresh air intake kit (Chamber type) <sup>1,2</sup>	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	High-efficiency filter unit <sup>2</sup>	Ultra long-life filter unit <sup>2</sup>	
Panel/grille related	Auto grille panel		O	O	O	X	X	X	
	Panel spacer <sup>1</sup>	O		O	O	X	O	O	
Auxiliary function related	Fresh air intake kit (Chamber type) <sup>1,2</sup>	O	O	O	X	X	O	O	
	Fresh air intake kit (Direct installation type)	O	O	X	O	O	O	O	
	Insulation kit for high humidity	X	X	X	O		X	X	
Filter related	High-efficiency filter unit <sup>2</sup>	X	O	O	O	X		X	
	Ultra long-life filter unit <sup>2</sup>	X	O	O	O	X	X		

3-way flow 2-way flow <sup>5</sup>		Optional accessory parts							
Independently installable optional parts		Auto grille panel	Panel spacer <sup>1</sup>	Fresh air intake kit (Chamber type) <sup>1,2</sup>	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	High-efficiency filter unit <sup>2</sup>	Ultra long-life filter unit <sup>2</sup>	
Panel/grille related	Auto grille panel		Δ	O	O	X	X	X	
	Panel spacer <sup>1,3</sup>	Δ		Δ	Δ	X	X	Δ	
Auxiliary function related	Fresh air intake kit (Chamber type) <sup>1,2</sup>	O	Δ	O	X	X	X	O	
	Fresh air intake kit (Direct installation type)	O	Δ	X	O	O	X	O	
	Insulation kit for high humidity	X	X	X	O		X	X	
Filter related	Ultra long-life filter unit <sup>2</sup>	X	Δ	O	O	X	X		

Branch duct connection		Optional accessory parts							
Independently installable optional parts		Auto grille panel	Panel spacer <sup>1</sup>	Fresh air intake kit (Chamber type) <sup>1,2</sup>	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	High-efficiency filter unit <sup>2</sup>	Ultra long-life filter unit <sup>2</sup>	
Branch duct chamber <sup>1</sup>	1-way branch / unit 3-way flow	O	O	O	O <sup>4</sup>	X	X	O	
	2-way branch / unit 2-way flow	O	X	O	O <sup>4</sup>	X	X	O	
	1-way branch / unit 2-way flow	O	X	O	O <sup>4</sup>	X	X	O	

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. When branch ducts are used, circulation airflow is not available.  
 2. When two different types of optional chambers are used together, a 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. (Δ)  
 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.  
 5. When 3-way or 2-way flow is selected, circulation airflow is not available.

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE



No.	Name of option	Remark	Kit name					
			FFA25AVM	FFA35AVM	FFA50AVM	FFA60AVM	FFA71AVM	
1	Grid ceiling panel	White				BYFQ60CAW		
2	Sensor kit	White				BRYQ60AAW		
3	Sealing material of air discharge outlet					BDBHQ44C60		
4	Fresh air intake kit					KDDQ44XA60		
5	Replacement long-life filter					KAF441C60		
6	Remote controller	Wireless type	Heat pump				BRC7M530W	
7	Stylish remote controller	Wired type <sup>1</sup>					BRC1H62W (White) / BRC1H62K (Black)	
8	Navigation remote controller	Wired type <sup>1</sup> "Nav Ease"					BRC1E63	
9	Central remote controller <sup>2</sup>						DCS302CA61	
10	Unified ON / OFF controller <sup>2</sup>						DCS301BA61	
11	Schedule timer <sup>2</sup>						DST301BA61	
12	intelligent Touch Controller <sup>2</sup>						DCS601C51	
13	Adaptor for wiring <sup>3</sup>						BRP11B62	
14	Wiring adaptor for electrical appendices(2) <sup>3</sup>						KRP4AA53	
15	Installation box for adaptor PCB						KRP1BB101	
16	Remote sensor (for indoor temperature)						BRC501A-6	
17	Wireless LAN connecting adaptor						BRP072C42-1	
18	Digital input adaptor <sup>3</sup>						BRP7A51	

Note:  
<sup>1</sup>Wiring for wired remote controller should be obtained locally.  
<sup>2</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
<sup>3</sup>Installation box for adaptor PCB (KRP1BB101) is necessary.

CEILING SUSPENDED TYPE



No.	Name of option	Remark	Kit name					
			FHA50BAVMA	FHA60BAVMA	FHA71BVMA	FHA85BVMA	FHA100BVMA	FHA125BVMA
1	Replacement long-life filter	Resin net		KAF501B56		KAF501B80		KAF501B160
2	Fresh air intake kit							KDDQ50A140
3	Drain pump kit							KDU50R160
4	L-type piping kit (for upward direction)							KHFP5N160
5	Remote controller	Wireless type	Heat pump					BRC7M53
6	Stylish remote controller	Wired type <sup>1</sup>						BRC1H62W (White) / BRC1H62K (Black)
7	Navigation Remote Controller	Wired type <sup>1</sup> "Nav Ease"						BRC1E63
8	Central remote controller <sup>2</sup>							DCS302CA61
9	Unified ON/OFF controller <sup>2</sup>							DCS301BA61
10	Schedule timer <sup>2</sup>							DST301BA61
11	intelligent Touch Controller <sup>2</sup>							DCS601C51
12	Adaptor for wiring							BRP11B61
13	Wiring adaptor for electrical appendices <sup>3</sup>							KRP4AA52
14	Installation box for adaptor PCB							KRP1D93A
15	Adaptor box mounting plate				KKSAP50A56			
16	Remote sensor (for indoor temperature)							BRC501A-4
17	Electrical box with earth terminal (3 blocks)							KJB311AA
18	Electrical box with earth terminal (2 blocks)							KJB212AA
19	Wireless LAN connecting adaptor							BRP072C42-1
20	Digital input adaptor <sup>3</sup>							BRP7A52

Note:  
<sup>1</sup>Wiring for wired remote controller should be obtained locally.  
<sup>2</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.  
<sup>3</sup>Installation box for adaptor PCB (KRP1D93A) is necessary.

WALL MOUNTED TYPE



No.	Name of option	Remark	Kit name				
			FTXC50AV1A	FTXC60AV1A	FTXC71AV1A FAA71BVMA	FTXC85AV1A FAA85BVMA	FTXC100AV1A FAA100BVMA
1	Drain-up kit		K-KDU572KVE				
2	Remote controller	Wireless type   Heat pump	BRC7EB518				
3	Stylish remote controller	Wired type <sup>1</sup>	BRC1H62W (White) / BRC1H62K (Black)				
4	Navigation Remote Controller	Wired type <sup>1</sup> "Nav Ease"	BRC1E63				
5	Wiring adaptor for electrical appendices(2)		★ KRP4AA51				
6	Installation box for adaptor PCB <sup>2</sup>		KRP4B93				
7	Central remote controller <sup>3</sup>		DCS302CA61				
8	Unified ON/OFF controller <sup>3</sup>		DCS301BA61				
9	Schedule timer <sup>3</sup>		DST301BA61				
10	intelligent Touch Controller <sup>3</sup>		DCS601C51				
11	Remote sensor (for Indoor temperature)		BRCS01A-4				
12	Electrical box with earth terminal (3 blocks)		KJB311AA				
13	Electrical box with earth terminal (2 blocks)		KJB212AA				
14	Wireless LAN connecting adaptor		BRP072C42-1				
15	Digital input adaptor		★ BRP7A51				

Note:  
<sup>1</sup>Wiring for wired remote controller should be obtained locally.  
<sup>2</sup>Installation box for adaptor PCB (KRP4B93) is necessary for each adaptor marked ★.  
<sup>3</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE



No.	Name of option	Remark	Kit name				
			FBA50BAVMA	FBA60BAVMA	FBA71BVMA	FBA85BVMA	FBA100BVMA
1	High-efficiency filter <sup>1</sup>	65%	KAF632C80		KAF632C160		
		90%	KAF633C80		KAF633C160		
2	Filter chamber(for rear suction) <sup>1</sup>		KDDFP63B80		KDDFP63B160		
3	Long-life filter <sup>1</sup>		KAF631C80		KAF631C160		
4	Service panel	Fresh white	KTBJ25K80F		KTBJ25K160F		
5	Air discharge adaptor		KDAP25A71A		KDAP25A140A		
6	Shield plate for side plate		KDBD63A160				
7	Remote controller	Wireless type   Heat pump	BRC4C65				
8	Stylish remote controller	Wired type <sup>2</sup>	BRC1H62W (White) / BRC1H62K (Black)				
9	Navigation Remote Controller	Wired type <sup>2</sup> "Nav Ease"	BRC1E63				
10	Adaptor for wiring		★ BRP11B62				
11	Wiring adaptor for electrical appendices(2)		★ KRP4AA51				
12	Mounting plate for adaptor PCB <sup>3,4,5</sup>		KRP4A98				
13	Remote sensor (for indoor temperature)		BRCS01A-4				
14	Central remote controller <sup>6</sup>		DCS302CA61				
15	Unified ON/OFF controller <sup>6</sup>		DCS301BA61				
16	Schedule timer <sup>6</sup>		DST301BA61				
17	intelligent Touch Controller <sup>6</sup>		DCS601C51				
18	Wireless LAN connecting adaptor		BRP072C42-1				
19	Digital input adaptor		★ BRP7A51				

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

Outdoor unit

No.	Name of option	Premium Inverter series	1 Phase	Kit name			
				RZAV50/60CV1	RXC50/60AV1A	RZAC25/35EVM	RZAC50/60/71EVM
1	Central drain plug			KKP014A4		KKP937A4	
2	Demand adaptor			KRP58M6		BRP070A43	BRP070A44
3	Air direction adjustment grille					KPW937F4	KPW5G112

No.	Name of option	Premium Inverter series	1 Phase	3 Phase	Kit name			
					RZAV71/85CV1	RXC71/85AV1A	RZAV100/125/140FV1	RXC100AV1A
1	Central drain plug				KKPJ5G280		BKP082A41	KKPJ5G280
2	Fixture for preventing overturning				KKTP5B112			KKTP5B112
3	Wire fixture for preventing overturning				K-KYZP15C			
4	Demand adaptor + Mounting plate				KRP58M51+EKMKA2		KRP58M51+EKMKA4	KRP58M51+EKMKA2
5	Air direction adjustment grille					KPW082A41		





**Warning**



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

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

**Cautions on product corrosion**

1. Air conditioners should not be installed in areas where corrosive gases, such as an acidic or alkaline gas, are produced.
2. When installing outdoor units in coastal areas, be sure to contact your local distributor and avoid direct exposure of the units to sea breezes.