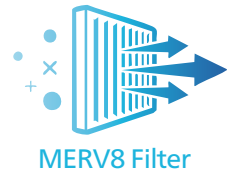




Perfecting the Air



Designer Panel
(Fresh White)

Standard Panel
(Black)

Standard Panel
(Fresh White)

SkyAir

AIR CONDITIONING SYSTEM

THE PERFECT FIT FOR EVERY SPACE



All Products are
NEA 4-Ticks Certified
for Energy Efficiency





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

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



Duct Connection Middle Static Pressure Type

Compact form factor with powerful features for ultimate design flexibility.



Ceiling Suspended Type

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



Designed for air quality confidence in places where people gather



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

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Next-Generation R-32 Refrigerant

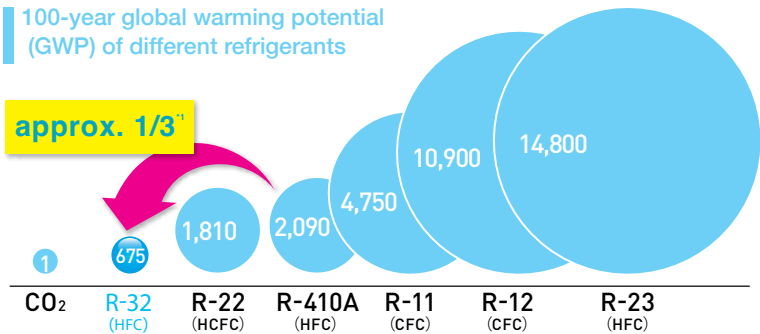
Daikin is the sole worldwide manufacturer of both air conditioning equipment and refrigerants. We are continuously researching refrigerants as well as new technologies which can reduce energy consumption. With climate change now a critical issue, low impact refrigerants are urgently required. We have adopted R-32, a next-generation refrigerant which does not deplete the ozone layer and has minimal effect on global warming.

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.

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



Environmental Impact of Air Conditioner Refrigerants Trends.

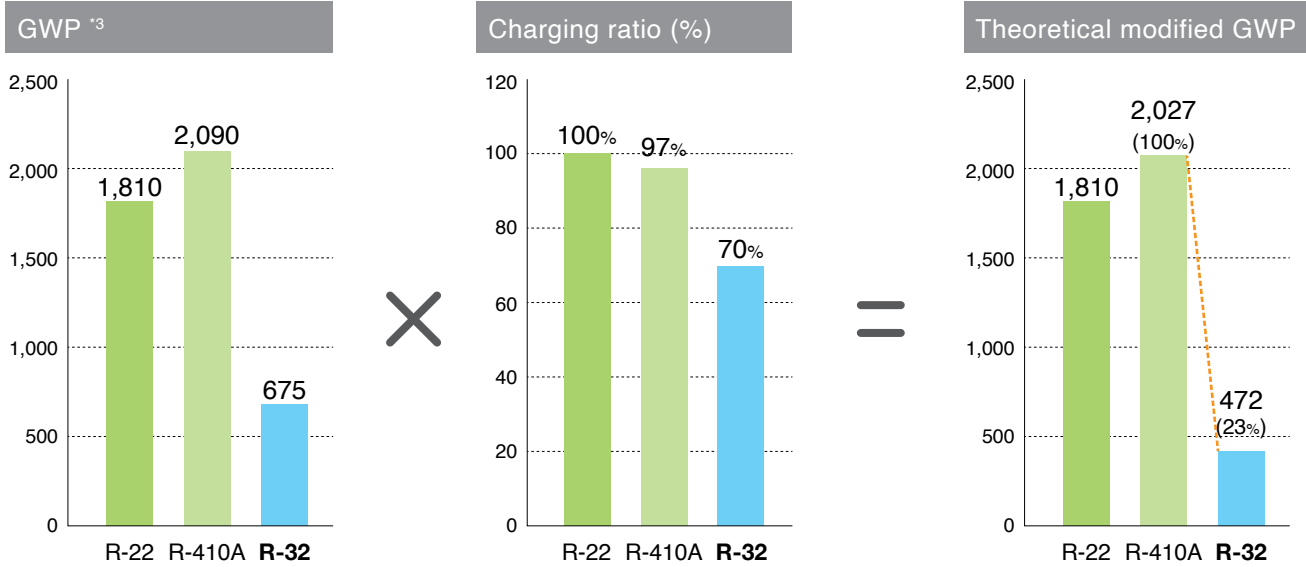
	Ozone depletion potential (ODP)	100 year global warming potential of different refrigerants ^{*2}
R-12 (CFC)	1.0	10,900
R-22 (HCFC)	0.055	1,810
R-410A (HFC)	0	2,090
R-32 (HFC)	0	675

*2. Values for 100 year global warming potential (GWP) from IPCC fourth assessment report comparative 100 year GWP: HFC410A, 2,090; HFC32, 675.

Smaller Impact on Environment

R-32 has zero ODP (Ozone Depletion Potential) and its GWP (Global Warming Potential) is 675, which is lower than the GWP of R-410A or R-22. It could reduce the charging volume by 30% compared to R-410A. Thus, these factors mean R-32 has just 23% of the theoretical impact on global warming of R-410A.

Theoretical Modified GWP

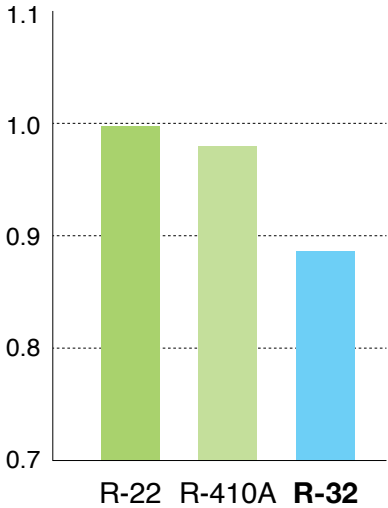


*3. GWP values are based on the Fourth Assessment Report from the Intergovernmental Panel on Climate Change (IPCC 4th AR).

High Energy Efficiency

The peak power consumption of R-32 is lower than conventional refrigerants, helping to alleviate power shortages in large cities during periods of high demand.

Peak Power Consumption Ratio^{*4}
Power consumption ratio



*4. Preconditions for calculations
• 3.5 kW split-type cooling only model
• Peak power consumptions are based on indoor/outdoor temperatures of 27/35°CDB.
• Values show test results in Asia, which includes India, Indonesia and Malaysia, but not China.

CEILING MOUNTED CASSETTE TYPE

<Round Flow>
with Streamer



All 4 ticks

Indoor unit

Outdoor unit

50	60	71
		
FCTF50BVMG	FCTF60BVMG	FCTF71BVMG
RZF50DVMG	RZF60DVMG	RZF71DVMG

CEILING MOUNTED CASSETTE TYPE

<Round Flow>



All 4 ticks

Indoor unit

Outdoor unit

50	60	71
		
FCF50DVMG	FCF60DVMG	FCF71DVMG
RZF50DVMG	RZF60DVMG	RZF71DVMG

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE*

Indoor unit

Outdoor unit

50	60	71
		
FBFC50EVMG	FBFC60EVMG	FBFC71DVMG
RZF50DVMG	RZF60DVMG	RZF71DVMG

CEILING SUSPENDED TYPE

All 4 ticks

Indoor unit

Outdoor unit

50	60	71
		
FHA50DVMG	FHA60DVMG	FHA71DVMG
RZF50DAVMG	RZF60DAVMG	RZF71DAVMG

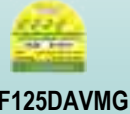
OUTDOOR UNIT

Outdoor unit

Power supply

50	60	71
		
RZF50DVMG	RZF60DVMG	RZF71DVMG
		
RZF50DAVMG	RZF60DAVMG	RZF71DAVMG
1 phase, 220-240V, 50Hz	1 phase, 220-240V, 50Hz	1 phase, 220-240V, 50Hz

100	125	140	
			Page 24
FCTF100BVMG	FCTF125BVMG		
RZF100DVMG	RZF125DVMG		
			Page 24
FCF100DVMG	FCF125DVMG	FCFC140DVMG	
RZF100DVMG	RZF125DVMG	RZFC140DY1G	
			Page 36
FBFC100DVMG	FBFC125DVMG	FBFC140DVMG	
RZF100DVMG	RZF125DVMG	RZFC140DY1G	
			Page 38
FHA100DVMG	FHA125DVMG	FHA140DVMG	
RZF100DAVMG	RZF125DAVMG	RZF140DAVMG	
RZFC100DY1G	RZFC125DY1G	RZFC140DY1G	

100	125	140	
			Page 40
RZF100DVMG	RZF125DVMG	RZF140DVMG	
			
RZF100DAVMG	RZF125DAVMG	RZFC140DY1G	
1 phase, 220-240V, 50Hz	3 phase, 380-415V, 50Hz	1 phase, 220-240V, 50Hz	
		3 phase, 380-415V, 50Hz	

Features of Daikin SkyAir



Technology to Improve Energy Efficiency

Outdoor unit

The cassette type 125 class outdoor unit uses a larger and more efficient compressor than the current model.

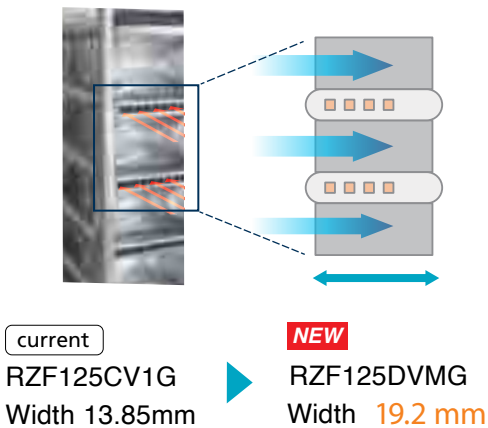
The micro channel heat exchanger is getting wider and more efficient.



Compressor



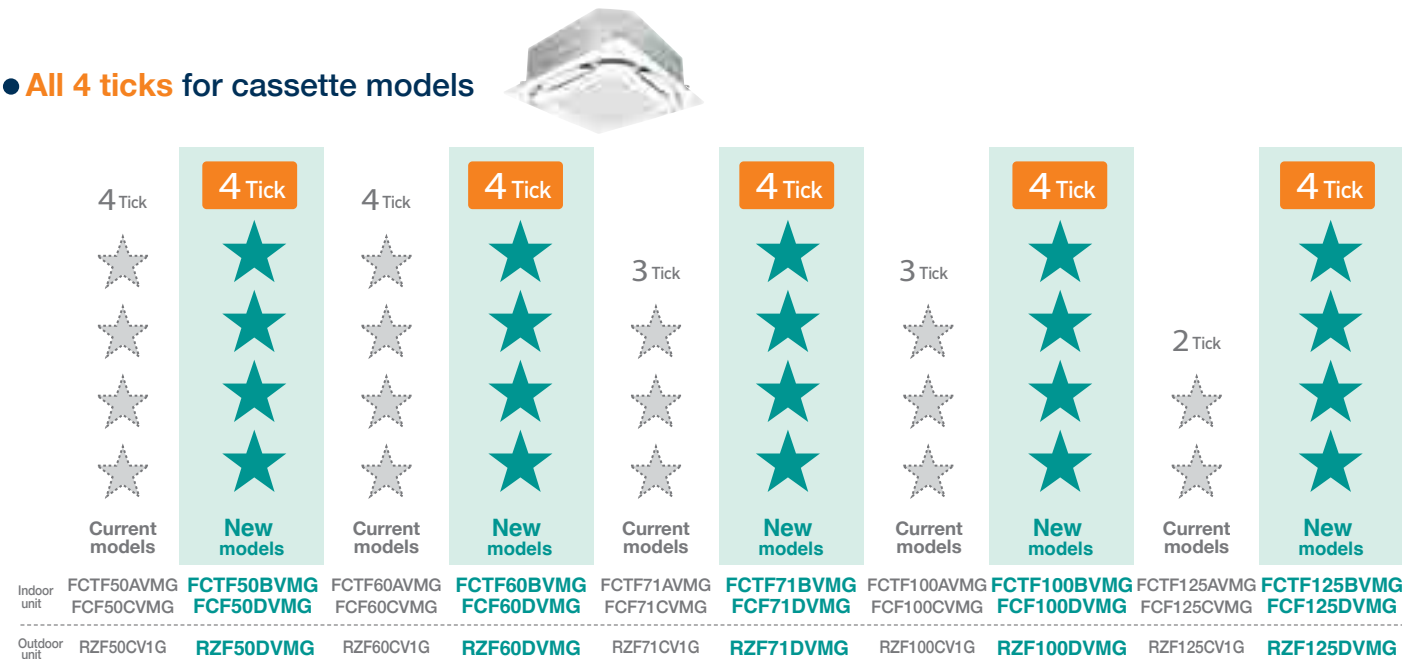
Micro channel heat exchanger



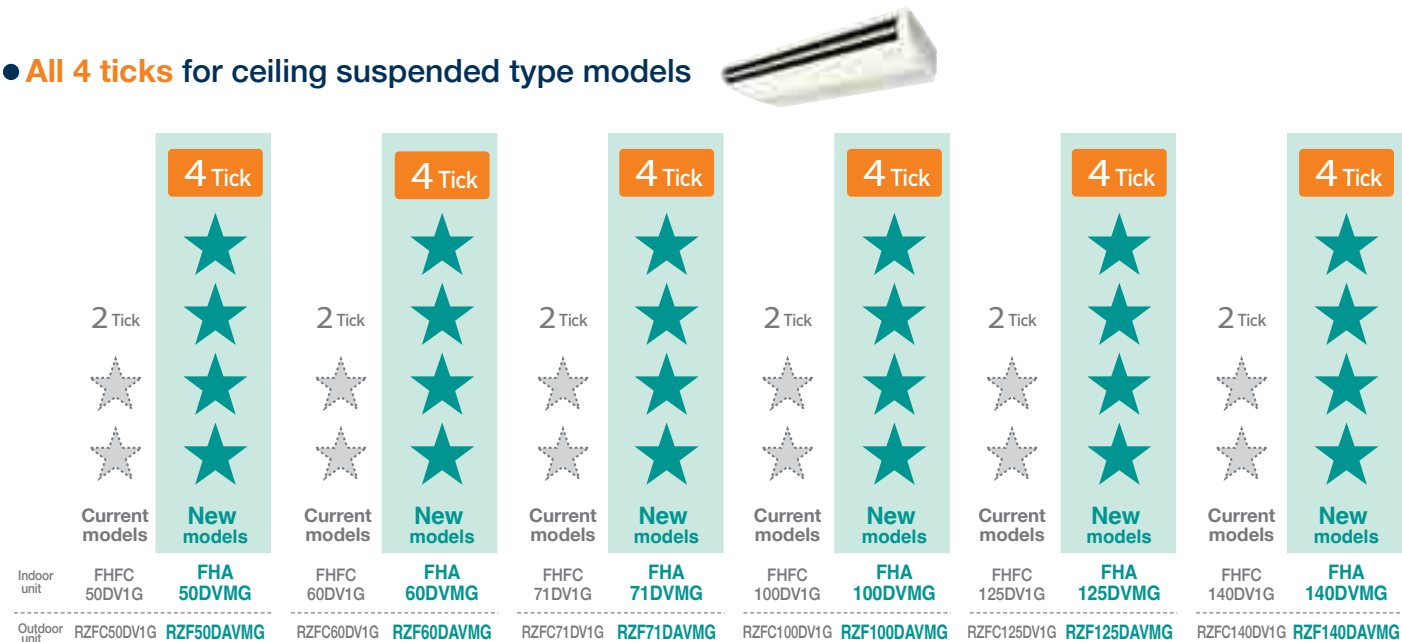
Energy Saving

Daikin's new inverter has achieved 4 ticks for all Cassette type and Ceiling suspended type.

All 4 ticks for cassette models

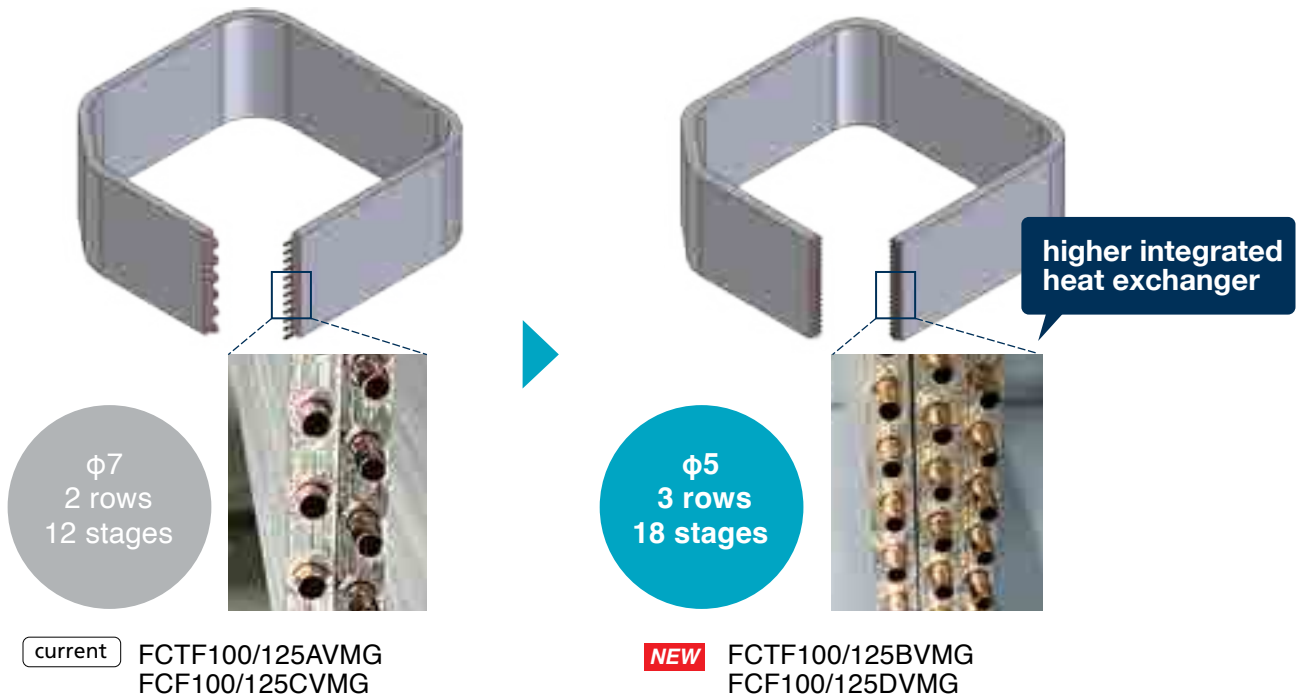


All 4 ticks for ceiling suspended type models



Indoor unit (Cassette type)

The cassette type 100/125 class uses a higher integrated heat exchanger to improve efficiency.



Quick Cooling

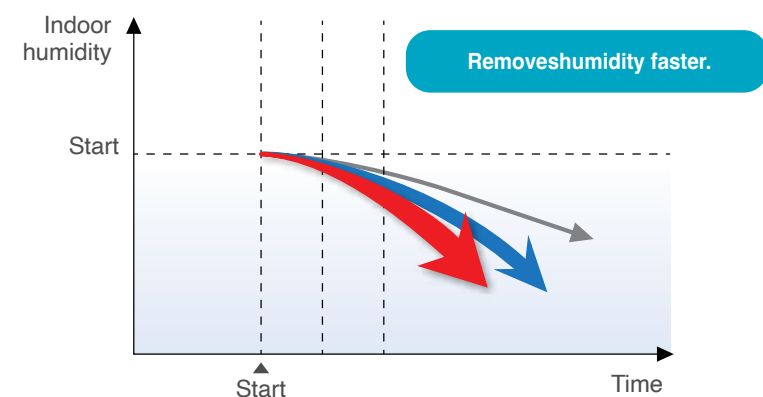
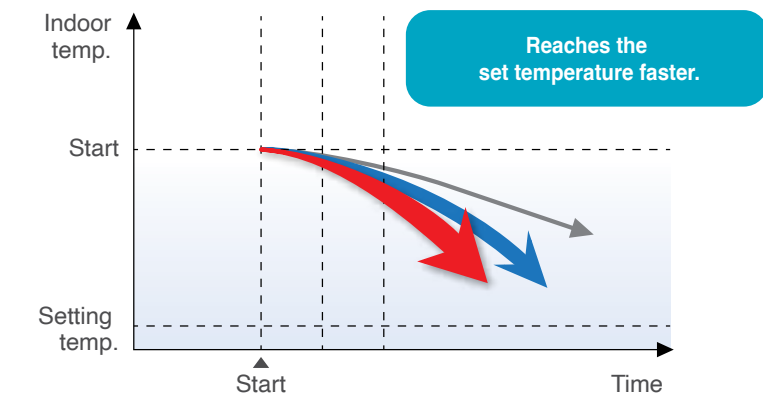
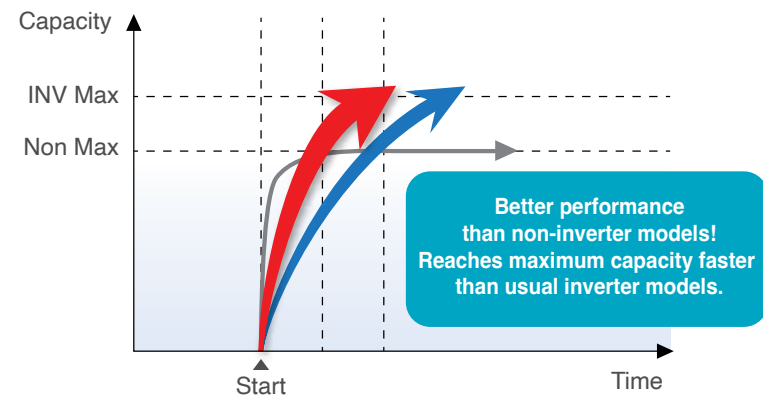
Faster cooling and dehumidification

New inverter control technology brings quick comfort.

RZF-D series

RZF71-140DA series

- Inverter (RZF-D, RZF71-140DA series)
- Conventional inverter (RZR-L series)
- Non inverter



Quick start function

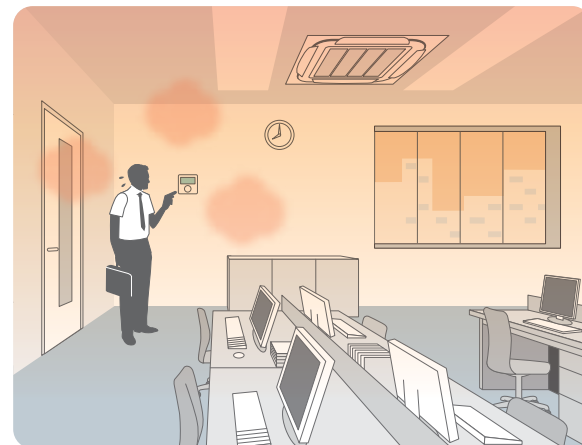
Quickly make space comfortable before the arrival of office workers or shop customers.

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 until the air conditioner automatically returns to normal operation.



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



Durability

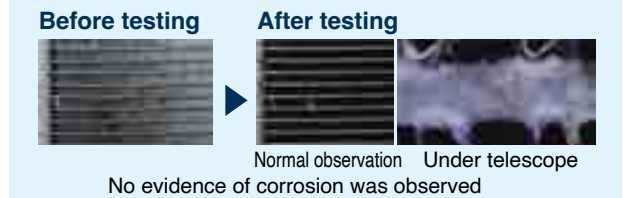
Micro channel heat exchanger

Micro channel technology utilises superior heat transfer benefits of aluminium to create a more efficient air conditioner. With a new resistance corrosion aluminium alloy, the Daikin micro channel heat exchanger becomes highly durable. A salt spray test has been conducted to demonstrate the corrosion-resistant capability of our products in corrosive environments for a certain period of time.

After undergoing an intensive test, the Daikin micro channel heat exchanger is able to maintain its shape without corrosion, which strongly confirms its durability in a highly corrosive environment.

Test of durability

- Testing organization MTEC Thailand
- Testing standard ASTM B117
- Result



Enhanced protection against dissimilar metal corrosion

In many Asian regions, corrosive substances such as iron, chlorine, nitrogen oxides, and sulfur oxides are known to accelerate refrigerant leakage due to dissimilar metal corrosion. To address this, the new RZF-D/DA models in the Premium series apply a **zinc spray coating** to the multi-hole tubes of the MCHX (Micro Channel Heat Exchanger).

This treatment significantly improves resistance to corrosion between dissimilar metals, enhancing durability in environments with high corrosion risk. The design is based on the proven technology used in existing Premium (RZF) models, ensuring reliable performance even under harsh outdoor conditions.

RZF series

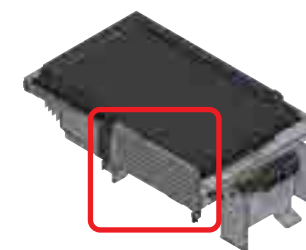


Enhanced PCB protection against gecko entering

In many Asian regions, small geckos and foreign objects are a major cause of outdoor unit PCB failures. Daikin has reinforced its PCB design with preventive measures to ensure long-lasting performance and reliability.

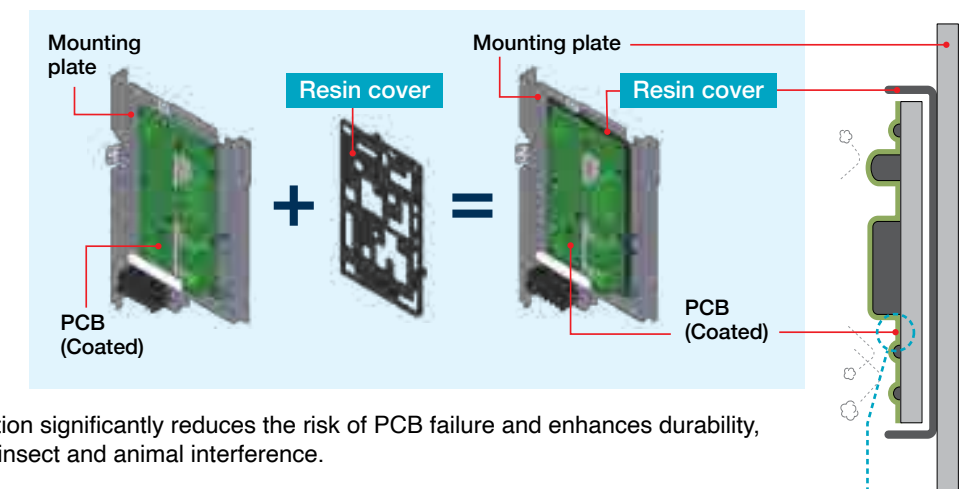
● RZF50-71DVMG, RZF71DAVMG (Small casing)

The control box is fully enclosed with metal sheet covers, preventing small animals and debris from entering.



● RZF100/125DVMG, RZF100-140DAVMG (Medium to large casing)

A resin cover is installed from the side to the back of the PCB. The gap between the PCB and the resin cover is minimized to just 1 mm, effectively deterring geckos without compromising heat dissipation.



This precision-engineered solution significantly reduces the risk of PCB failure and enhances durability, even in environments prone to insect and animal interference.

Automatic protection against low voltage

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

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.



Convenient Functions

Navigation remote controller BRC1E63 includes various convenient functions

Automatic return to temperature preset by owner.

● 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.

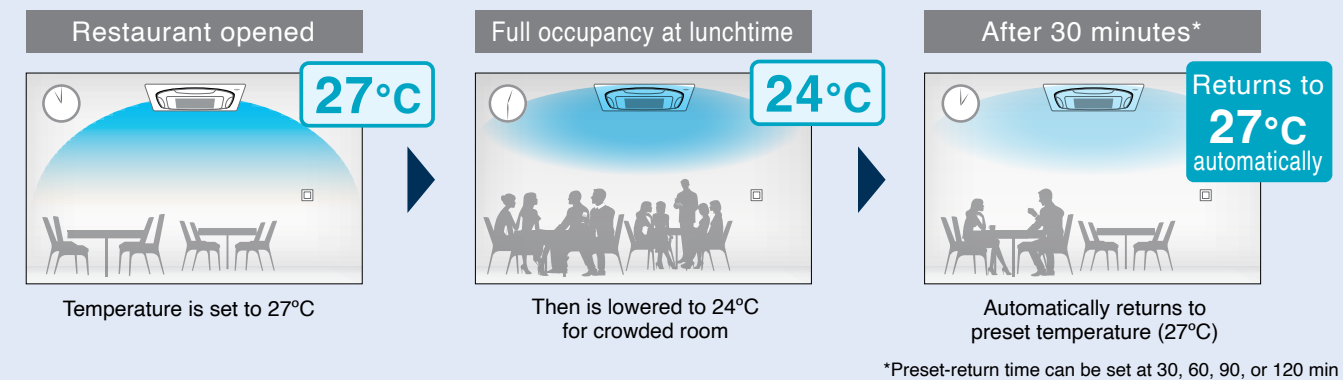
Owner can preset upper and lower temperatures.

● Setpoint range set



- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient if the remote controller is installed where anyone can change the settings.
- BRC1H63W(K) also have this function.

Restaurant example (Setpoint auto reset)



Smart control solution

See page 62-67

Daikin Smart Control Solution improves the control and monitoring of SkyAir units from smart phone or tablet with automatic notifications on malfunction error code, energy consumption, multi tenant billing system, and many more.



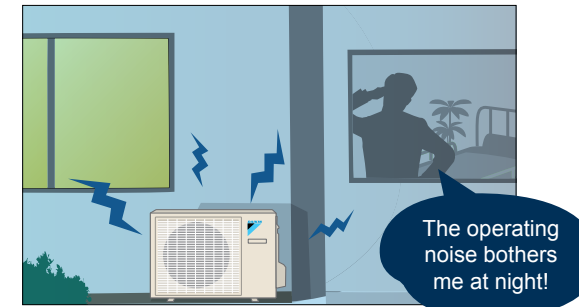
Quiet Operation

Night quiet operation mode

*Field setting with remote controller for selecting the time pattern at night.
*Setting with BRC1E63 menu for selecting the period of time freely.

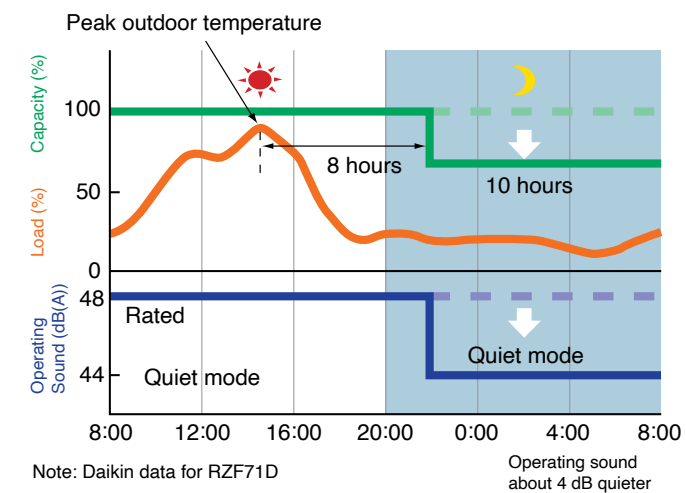
RZF-D series

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



1. Field setting

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.



		Sound pressure level ¹ (dB(A))	
		Rated	Night Quiet Mode
RZF	50-71D	48	44
	100D	49	45
	125D	54	48

★ Reducing noise will reduce capacity slightly.

Note :
¹ Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.

2. Navigation remote controller: BRC1E63 menu

The start and finish times of the quiet operation are selectable.



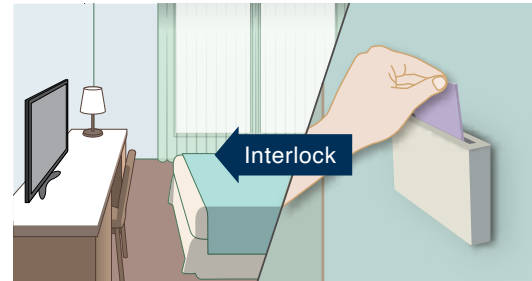
Design Flexibility

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

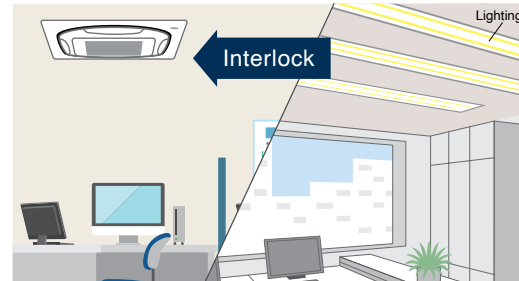
As an energy saving feature, the air conditioner can be interlocked with the key card system. Using a 3rd-party building management system, air conditioning and lighting can be interlocked.

*Field setting with remote controller

•Hotel key card interlock



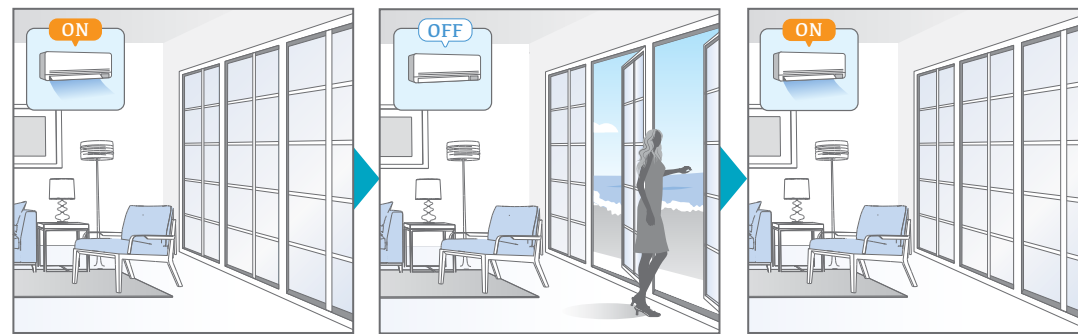
•Lighting interlock



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



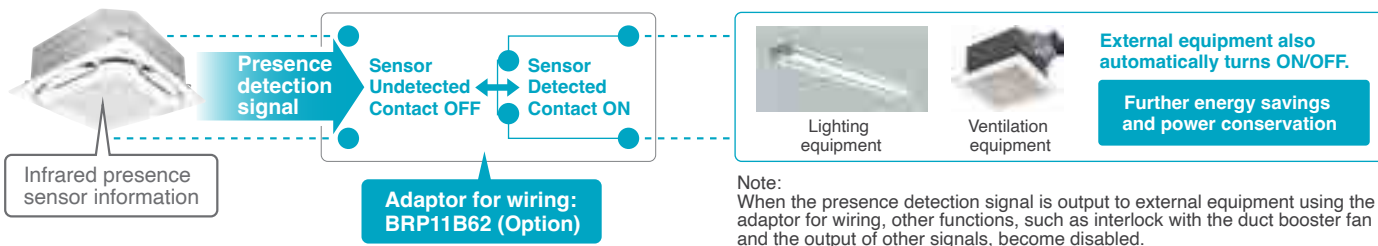
BRC1H63W(K)
+
Digital input adaptor
BRP7A

External Equipment Interlock (FCTF and FCF series only)

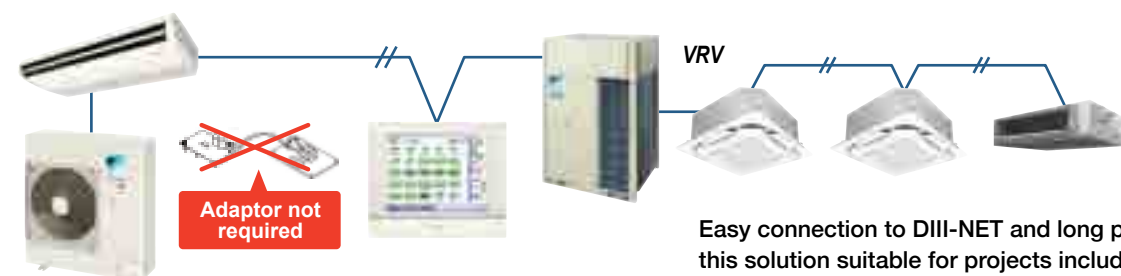
Power conservation is possible through interlock* of external equipment, such as lighting, with the infrared presence sensor.

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.

*Optional adaptor for wiring: BRP11B62 is necessary.



Indoor units comply with DIII-Net standards



Easy connection to DIII-NET and long piping length makes this solution suitable for projects including VRV and SkyAir.

Reuse of Existing Piping

RZF-D series

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!

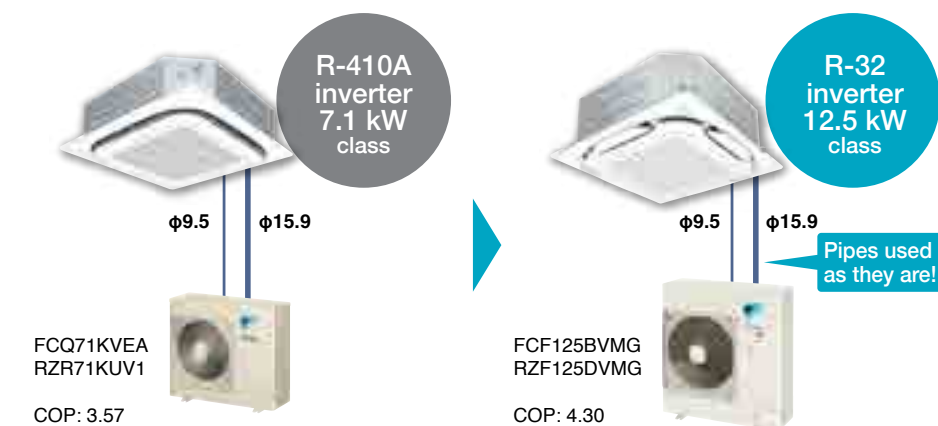
Where feasible, we reduce work costs and time by reusing existing pipes*.

*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

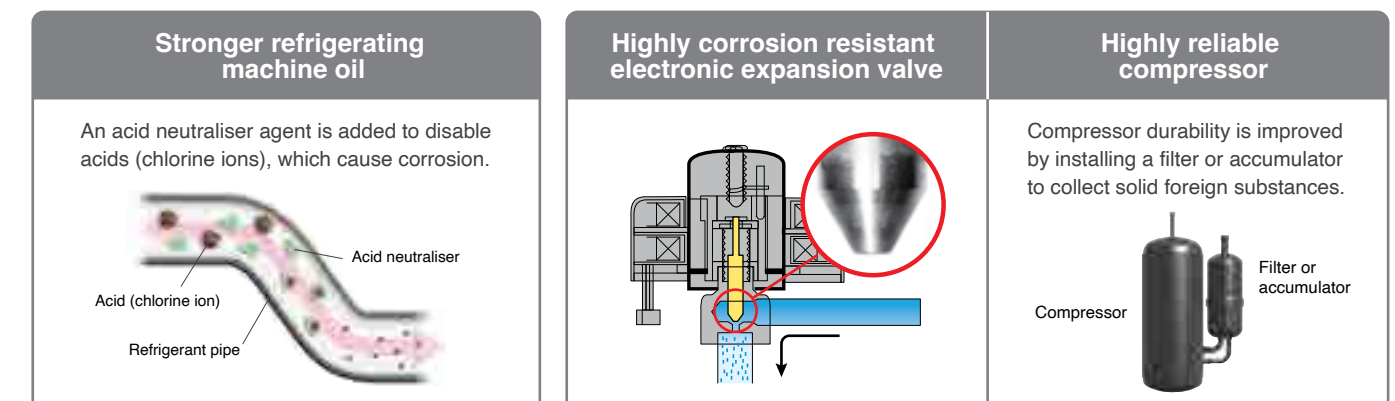
Upgrade to an air conditioner with the latest technology for greater comfort and energy efficiency.



As a result, the greater capacity units ensure better performance to cope with the increasing amount of heat generated by office equipment and occupants.

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.



*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)

UV Streamer Air Purifier Unit (Option) FCF series

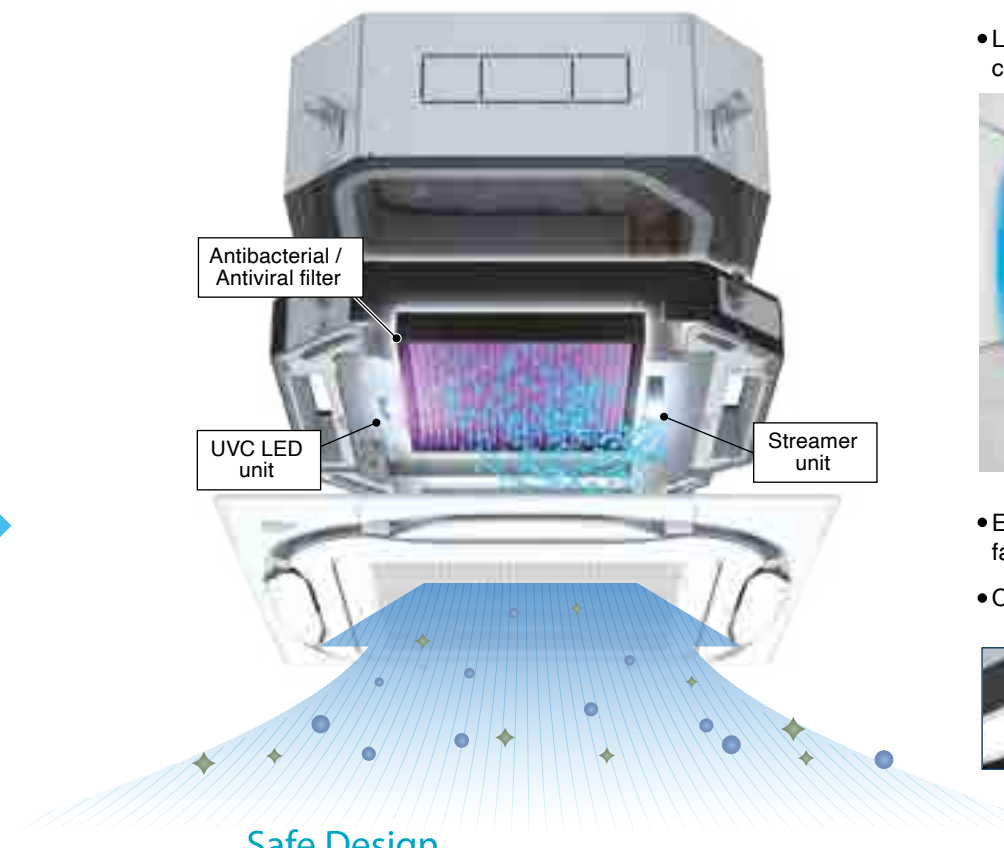
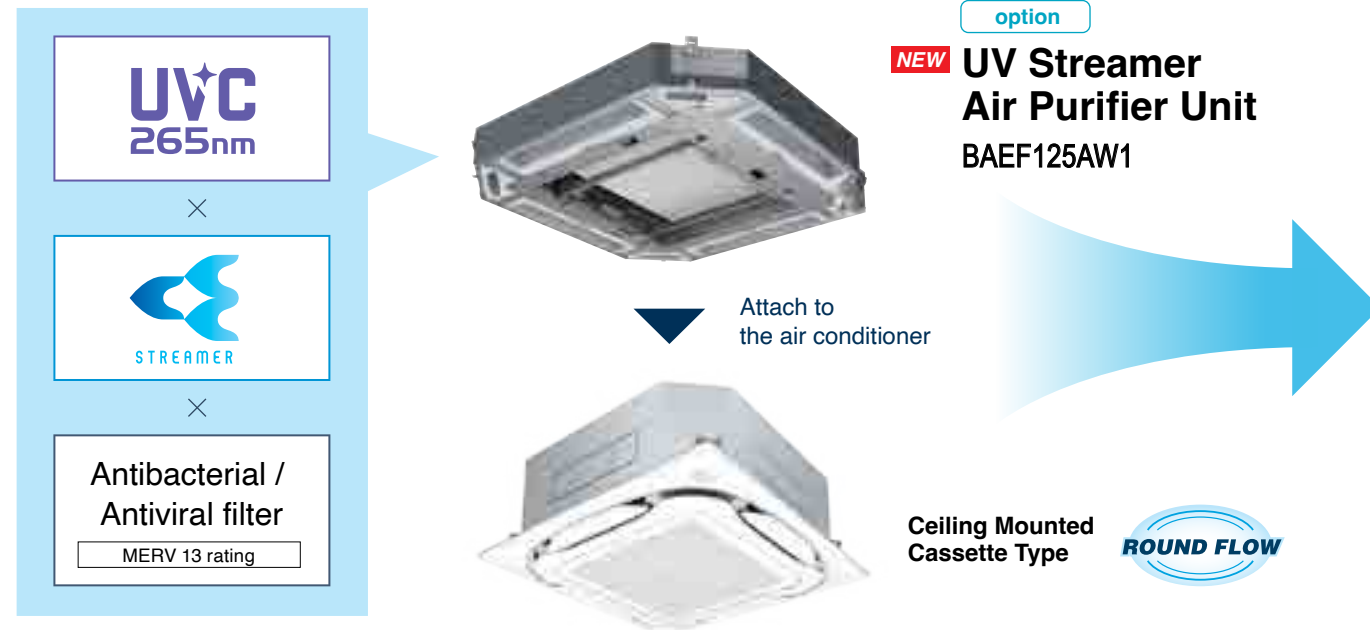
Applicable when using the Standard panel (Fresh white), Standard panel with Sensing (Fresh white), and Auto grille panel.*7,8,9



Easily connects to air conditioner to purify and sterilize air.

The combination of three DAIKIN technologies

Removes bacteria *1 and suppresses viruses *2 captured in the filter.



- Large airflow rate of the Round Flow Cassette delivers clean air to every corner of the room.



- Even during intermediate periods, air can be cleaned by fan operation.
- Can be retrofitted to existing installations.

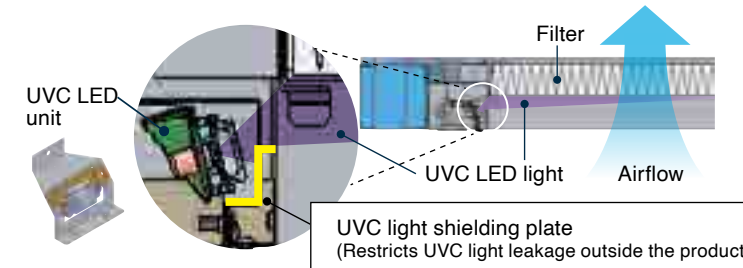


Safe Design

The unit features a safe design that prevents leakage of deep ultraviolet rays outside the unit. <This product complies with IEC60335-2-40.>

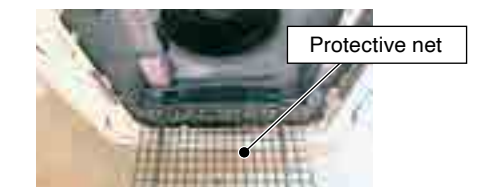
1. Unique shape that blocks light

An UVC light shielding plate is installed under the UVC LED unit.

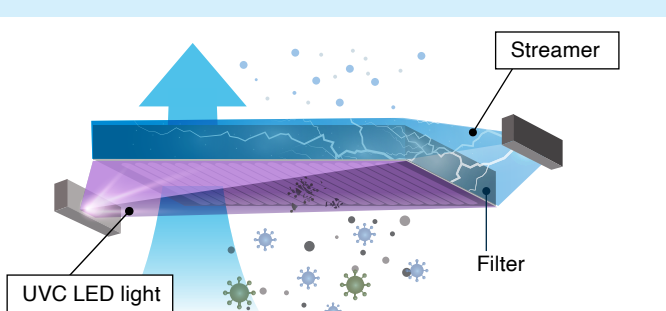


2. Stop irradiation with safety switch

To keep hands out of the UV irradiation area, a protective net is used. When the protective net is removed, a safety switch stops UVC irradiation.

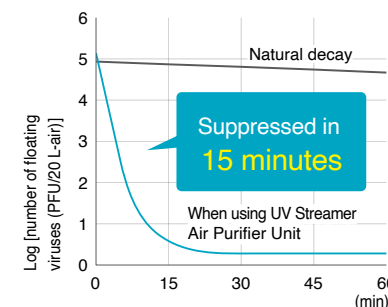


Removes bacteria*1 and suppresses viruses*2 captured in the filter by more than 99% in 30 minutes.*5



Suppresses floating viruses*3 and floating bacteria*4 by more than 99% in 15 minutes.*6

Changes in the number of airborne viruses in the test space



Note:

	*1	*2	*3	*4
Testing organization	Japan Food Research Laboratories	Shokukanken Inc.	Kitasato Research Center for Environmental Science	Japan Food Research Laboratories
Test number	21051979001-0201	217500N	2021_0375	21051979001-0101
Test method	A test piece was attached and inoculated with bacterial liquid on the upstream side of the filter installed into the unit. Operation was performed in a closed test space of 25m ³ , and the number of live bacteria was counted after 30 minutes.	A test piece was attached and inoculated with virus liquid on the upstream side of the filter installed into the unit. Operation was performed in a closed test space of 25m ³ , and virus infectivity titer was measured after 30 minutes.	The suppression performance of airborne viruses was evaluated with reference to the Japan Electrical Manufacturers' Association Standard (JEM1467) in a closed test space of 25m ³ .	Performance evaluation test was conducted by voluntary standard of Japan Electrical Manufacturers' Association (HD-133) in a closed test space of 25m ³ .
Test object	One bacterium type	One virus type	One virus type	One floating bacterium type
Test result	Reduced by more than 99% after 30 minutes.	Reduced by more than 99% after 30 minutes.	Reduced by more than 99% after 15 minutes compared to natural decay.	Reduced by more than 99% after 15 minutes.
Test unit	UV Streamer Air Purifier Unit BAEF55D160 (Japanese model), a model equivalent to BAEF125AW1 Indoor unit FHCP160EM (Japanese model), a model equivalent to FCA140C / FXF(S)Q140A. Airflow rate: High Decoration panel BYCP160EAF (Japanese model), a model equivalent to BYCQ125EAF			

*5 The effect was in a closed test space of 25 m³ after 30 minutes of operation and was not a test result in an actual operation space.

*6 The effect was in a closed test space of 25 m³ after 15 minutes of operation and was not a test result in an actual operation space.

Technologies

Deep ultraviolet (UVC) LED

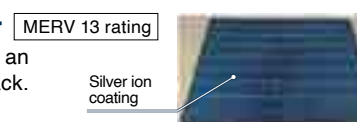
Ultraviolet rays are invisible light with wavelengths of 10 to 400 nm (nanometers) and short wavelengths of 100 to 280 nm that are called "deep ultraviolet rays (UVC)".

In particular, we have adopted the "deep ultraviolet (UVC) LED" for air purifiers, which irradiates deep ultraviolet rays with wavelengths of around 265 nm that have a high sterilizing effect.



Antibacterial / Antiviral filter

Coarse dust filter on the surface and an Antibacterial / Antiviral filter in the back.



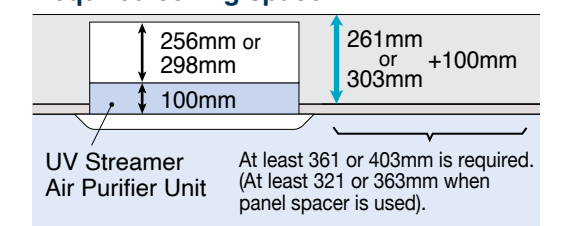
Streamer technology

See page 21

Streamer, a type of plasma discharge, decomposes hazardous chemical substances. The decomposition power is comparable to thermal energy of about 100,000°C.*

*Comparison of oxidation decomposition. This does not mean temperature will become high.

Required ceiling space



*7 This option cannot apply with Designer panel, Standard panel (Black), Standard panel with Sensing (Black), Sealing material of air discharge outlet, Insulation kit for high humidity, and kit / filters that require a chamber (Fresh air intake kit Chamber type, High-efficiency filter unit, Ultra long-life filter unit, Branch duct chamber).

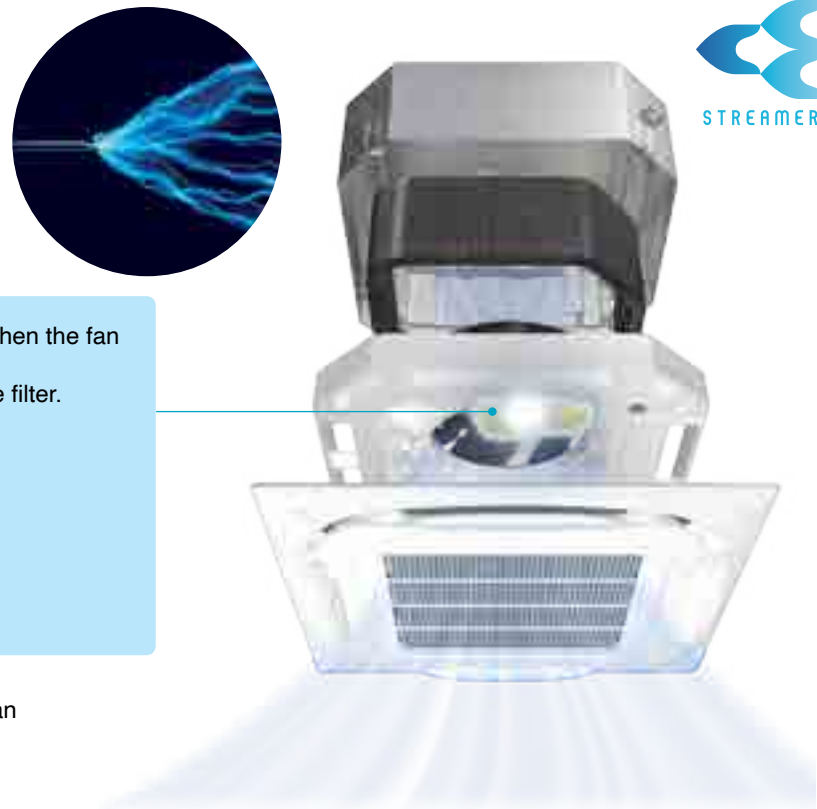
*8 This option cannot apply when 2 and 3-way flow by using Sealing material of air discharge outlet.

*9 This option is not applicable to the high ceiling application.

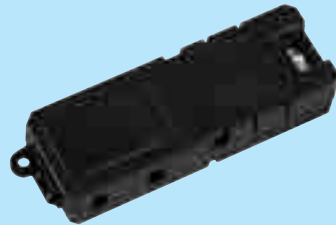
Streamer Filter Clean Function RZF series

Introducing Streamer technology to SkyAir Indoor units

Daikin Streamer technology enhances maximum efficiency in cleaning, which uses powerful decomposition properties to decompose substances captured by filter for better air quality.



Streamer filter clean unit irradiates Streamer when the fan and air conditioning operation are stopped. Streamer fumigates the cabin and sterilizes the filter.

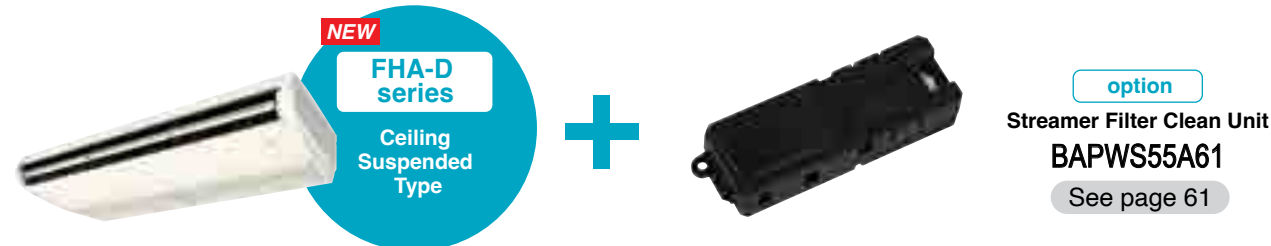


Remarks:
The Streamer function operates only when the fan and air conditioning operation are stopped.
The maximum operation time of Streamer is 180 minutes per day.

Streamer filter clean unit is built-in inside the indoor unit



Streamer filter clean unit is option unit



Only the remote controllers BRC1H63W(K) can be connected for ON / OFF operation of the Streamer.



•When a signal is received from the indoor unit that the Streamer function is ON, the Streamer icon is displayed on the Home screen.



* Field setting is required.(default: OFF)

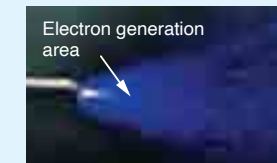
*1. Circulation airflow is not available with this option.

*2. This series cannot apply with Sealing material of air discharge outlet, Branch duct chamber, UV Streamer air purifier unit, and Remote controllers other than BRC1H63W(K).

Streamer Technology

Streamer, a type of plasma discharge, decomposes hazardous chemical substances.
The decomposition power is comparable to thermal energy of about 100,000°C.*1

Note: *1. Comparison of oxidation decomposition. This does not mean temperature will become high.



Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of decomposing elements with decomposition power.

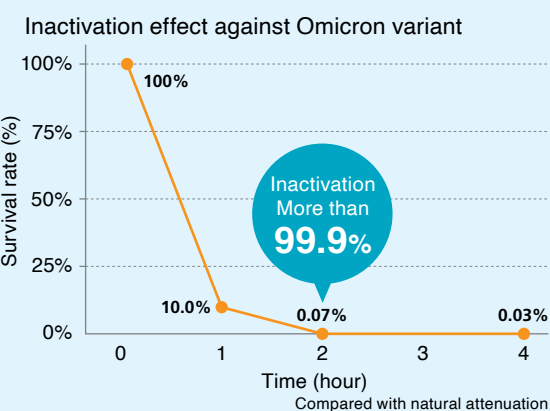


The decomposing elements provide decomposition power.

99.93% Inactivation of Omicron variant in 2 hours

Experimental Results

Irradiation with Streamer discharge for two hours inactivated 99.93%, and for four hours inactivated 99.97% of the Omicron variant of Coronavirus (SARS-CoV-2), when compared to without Streamer discharge.



Test Method

hCoV-19/Japan/ TY38-873/2021 strain (Omicron variant) was used. Two acrylic boxes of about 31L were placed in a safety cabinet in the BSL-3 facility, and Streamer discharge device was installed in one of the acrylic boxes. Seesaw shakers with a 6-well plate were placed in both boxes, and 0.5 mL of virus solution was placed in each well of the plate. Streamer irradiation was performed on one 6-well plate while stirring with a seesaw shaker. After 1, 2, and 4 hours, the virus solution was collected, and the virus titer was measured by the TCID50 method using Vero E6/TMPRSS2 cells.

Test Organization

Professor Tatsuo Shioda, Department of Virus Infections, Research Institute for Microbial Diseases, Osaka University

*This result was obtained by using a Streamer discharge device for testing in lab conditions.
The effect of products equipped with Streamer technology or results in actual use environments may differ.

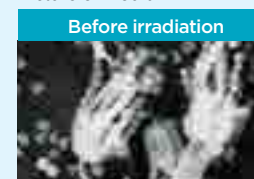
Scan here for more
DAIKIN Streamer
Research Institute



Streamer decomposes mould and mites (feces and carcasses) and suppresses the causes of allergies.

Demonstration of mould

Picture of mould



Test Method

"Moulds" were placed on the electrodes of a Streamer discharge unit where they were exposed to Streamer discharge for 15 minutes and photographed with an electron microscope.

Test Organization

Demonstration test was performed at Wakayama Medical University.

Why Daikin Streamer?

Recognized as clean technology by public bodies

Winner of the 2005 Progress Award,
Institute of Electrostatics Japan

Awarded for the development of a domestic air purifier which uses DC Streamer discharge.

105 Patents Acquired

Patents acquired relating to Streamer technology

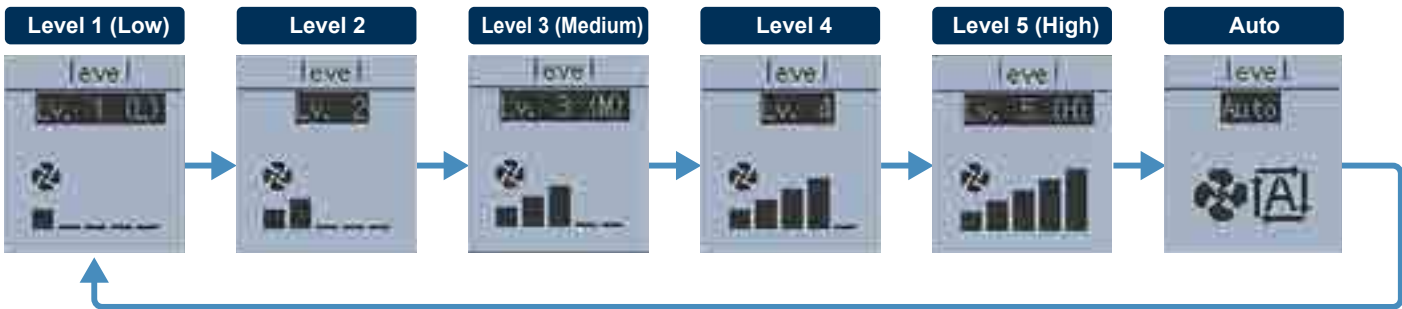
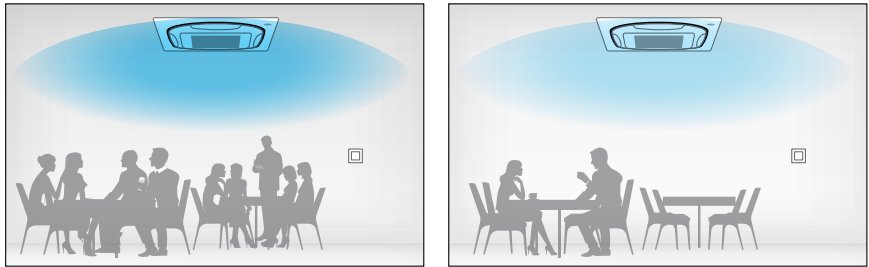
Smart Airflow Control

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

5-step: FCTF, FCF, and FHA series
3-step: FCFC, FBFC, and FHFC series

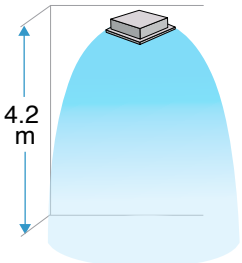
Comfort ensured by 'Auto' airflow rate that matches load level

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



Also convenient for high ceilings and spaces with long blow distances

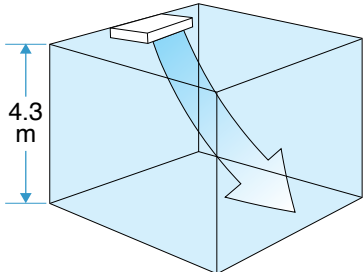
Cassette type <Round Flow>:
maximum 4.2 m*



See page 32

*Maximum 4.2 m for
FCTF100/125, FCF100/125, FCFC100-140
Maximum 3.5 m for
FCTF50-71, FCF50-71

Ceiling suspended type:
maximum 4.3 m*



See page 39

*Maximum 4.3 m for FHA100-140, FHFC100-140
Maximum 3.5 m for FHA50-71



*Field setting with remote controller

Detail of Each Product

CEILING MOUNTED CASSETTE TYPE 〈Round Flow〉with Streamer 〈Round Flow〉	FCTF-B series (with Streamer) FCF-D series FCFC-D series		Page 24-35
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE	FBFC-E series FBFC-D series		Page 36-37
CEILING SUSPENDED TYPE	FHA-D series FHFC-D series		Page 38-39
OUTDOOR UNIT	RZF-D/DA series RZFC-D series		Page 40-41
REMOTE CONTROLLER			Page 42-46



CEILING MOUNTED CASSETTE TYPE

Cassette air conditioner with 360° uniform airflow sets the standard



*Shown above is FCTF / FCF50-71.

NEW FCTF50/60/71/100/125BVMG (with Streamer)

NEW FCF50/60/71/100/125DVMG
FCFC100/125/140DVMG

Option Accessory required for indoor unit.

Wired Remote Controller *1, 2

- Stylish Remote Controller (Wired)



BRC1H63W (White)



BRC1H63K (Black)



BRC1E63



BRC2E61

Note: ¹ Remote controller cable is not included and must be obtained locally.
² FCTF series can be connected only to BRC1H63W(K).

Wireless Remote Controller *3

- Wireless Remote Controller



Cooling only

BRC7M635F (Fresh white)
BRC7M635K (Black)



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

Note: ³ A signal receiver must be added to the indoor unit.

Panel Variations

Standard panel with Sensing (Fresh white)



Standard panel (Fresh white)



Designer panel (Fresh white)



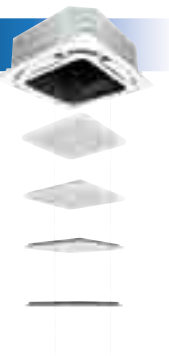
Standard panel with Sensing (Black)



Standard panel (Black)



Auto grille panel (Fresh white)



FCTF	Specification	Option
	P.54	P.58

FCF	Specification	Option
	P.54	P.58

FCFC	Specification	Option
	P.56	P.58

P.18-19

FCF series

UV Streamer Air Purifier Unit (Option)



UVC
265nm



Antibacterial / Antiviral filter

MERV 13 rating

Promotion video at Daikin official YouTube site.



P.20-21

FCTF only

Streamer Filter Clean Function

Irradiates Streamer when the fan and air conditioning operation are stopped. Streamer fumigates the cabin and sterilizes the filter.



P.26-27

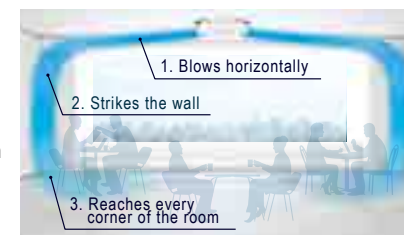
FCF series

FCFC series

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.

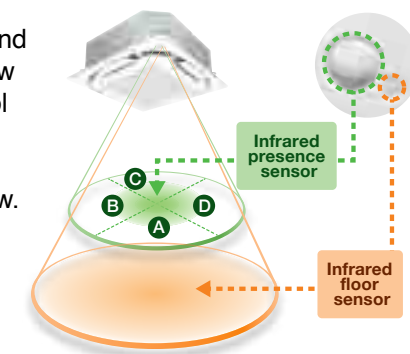


P.29-31

FCTF / FCF only

Sensing Technology

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



Selectable Airflow Pattern

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

FCF series

FCFC series

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



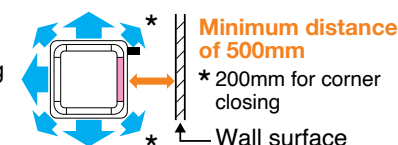
(E.g., installed in a corner)

Opposite 2-way flow



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

Required distance to wall surface for closing air discharge outlet



Minimum distance of 500mm

* 200mm for corner closing

Wall surface

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.



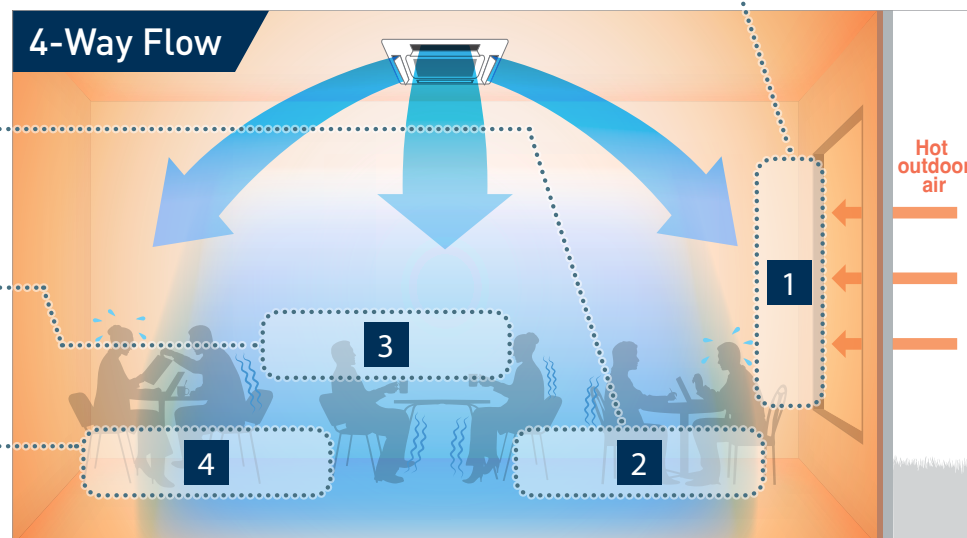
Circulation Airflow Evenly Distributes Cool Air *1

Conventional airflow had

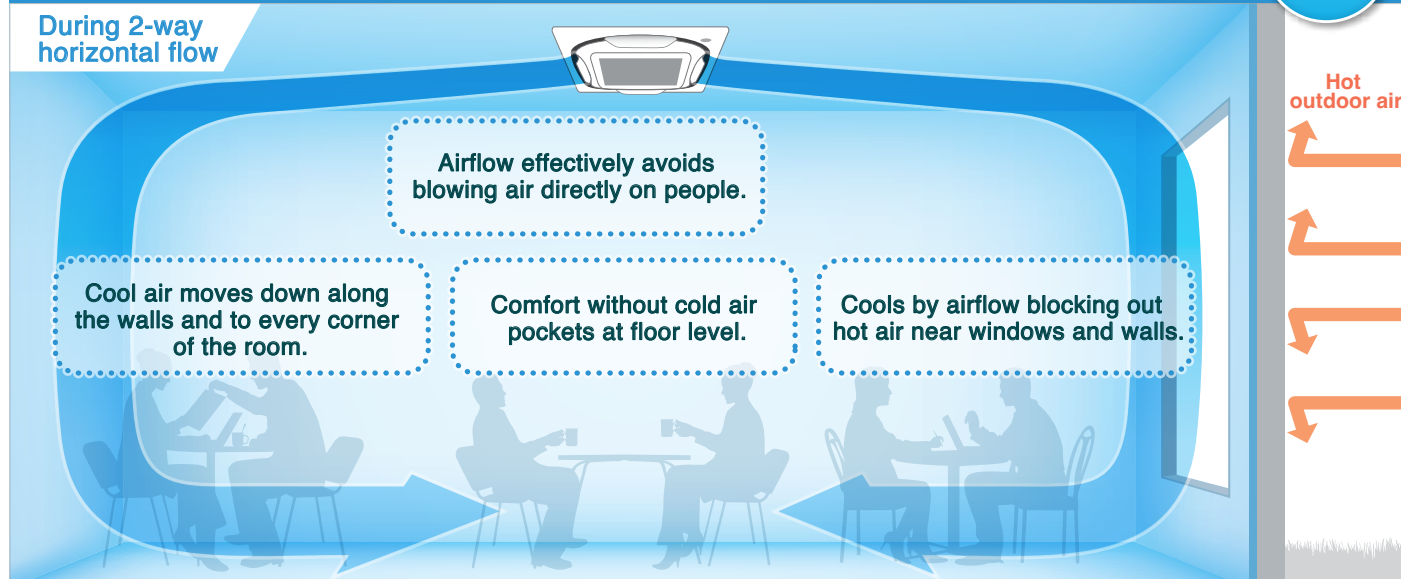
areas that were either too cool or not cool enough.



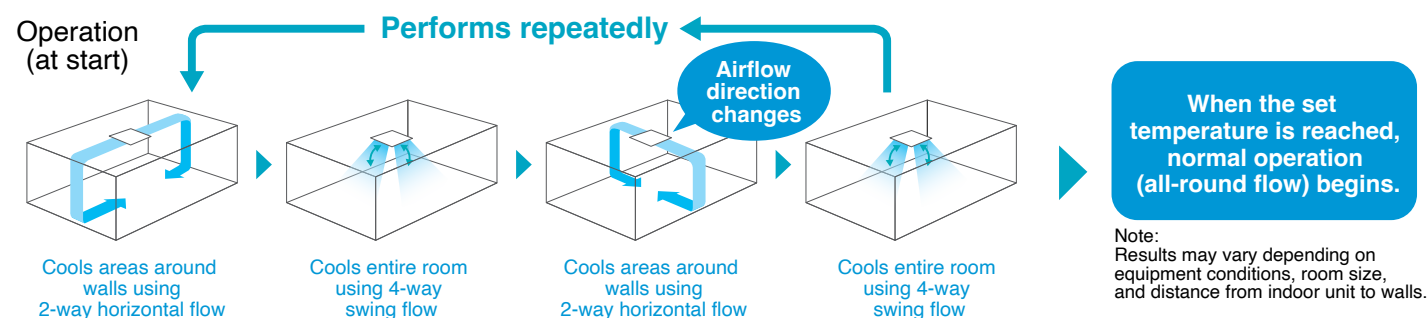
- Problem 1**
Hot outdoor air entering through windows and walls causes these areas to become hot.
- Problem 2**
Cool air accumulating directly underneath causes cold air pockets at floor level.
- Problem 3**
Airflow blowing directly on people causes discomfort for people in the room.
- Problem 4**
Quick descent of cool air causes insufficient cooling for corners of the room.



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



Configurations of Circulation Airflow (Cooling)

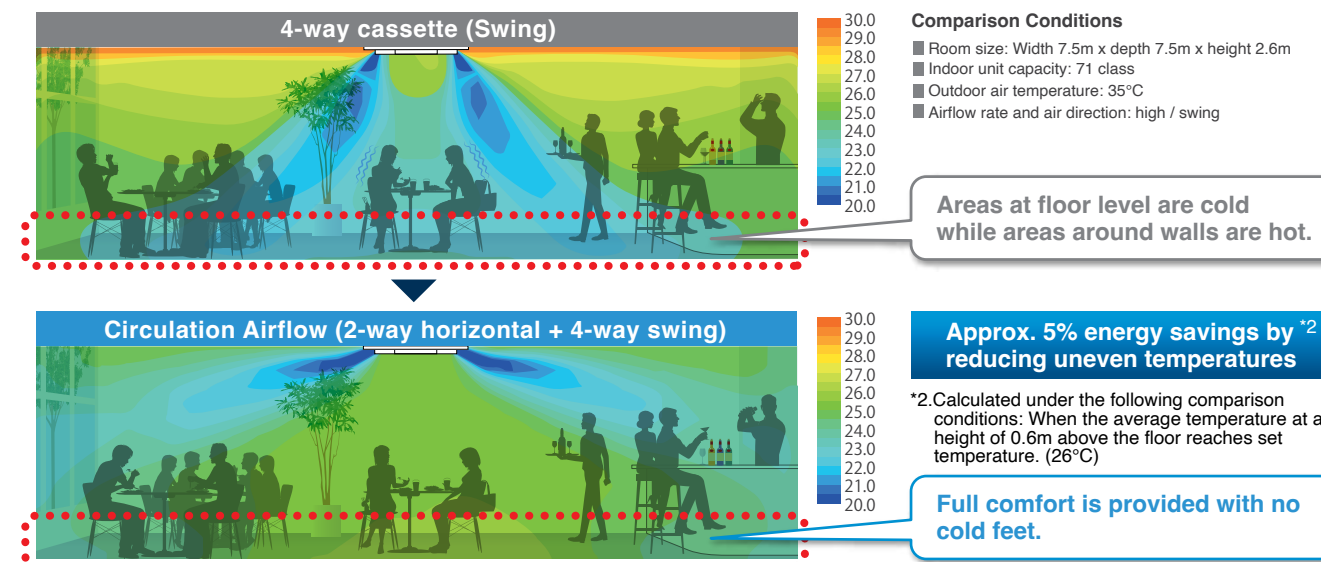


*1. Applicable when wired remote controller BRC1E63 is used.

FCF series

FCFC series

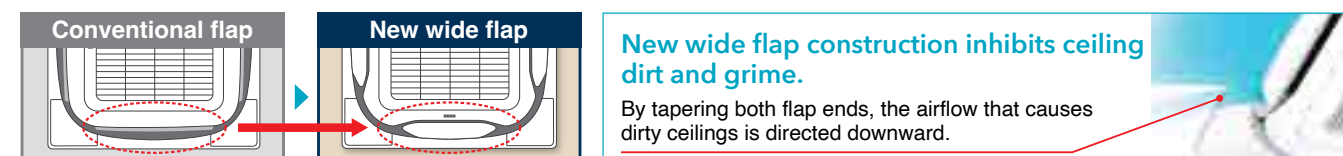
Comfort to the Entire Room with Even Temperatures and No Cold Air Pockets at Floor Level



Three Technologies That Achieved Circulation Airflow

1 Use of new wide flaps (Straight)

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



2 Optimizing airflow angle (Horizontally)

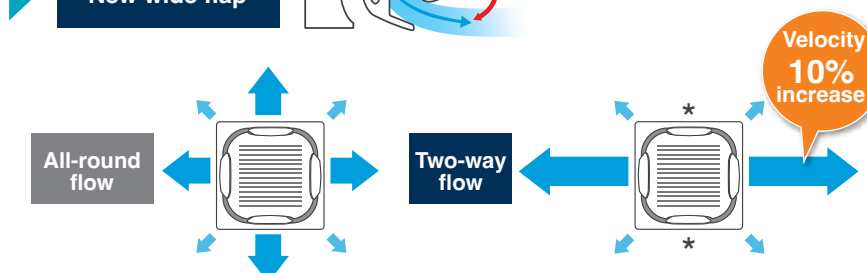
The airflow angle was made more horizontal.



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.

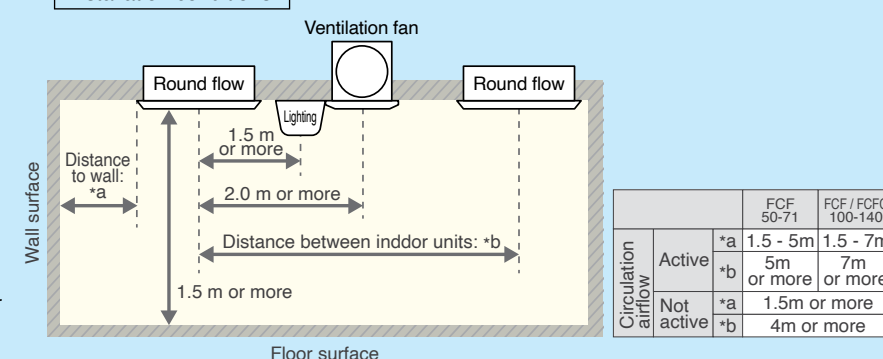


Things to remember when using circulation airflow

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 using following options; (Sealing material of air discharge outlet, Fresh air intake kit Chamber type, and Branch duct chamber.)
 - When individual airflow setting is selected;
 - When using group control other than round flow.

Installation conditions



Circulation airflow	Active	FCF 50-71		FCF / FCFC 100-140	
		*a	*b	*a	*b
		1.5 - 5m	5m or more	1.5 - 7m	7m or more
	Not active	*a	*b	*a	*b
		1.5m or more	4m or more	1.5m or more	4m or more



Individual Airflow Direction Control *1

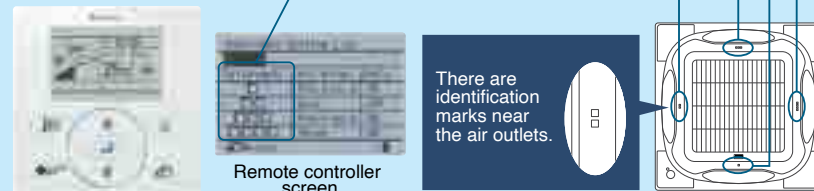
*1. Applicable when wired remote controller BRC1E63 or BRC1H63W(K) is used.

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



Position 0
(Fixed airflow to
highest position)

No individual
setting
(Auto airflow)

Swing
(Up/down)

Position 4
(Fixed airflow to the
lowest position)

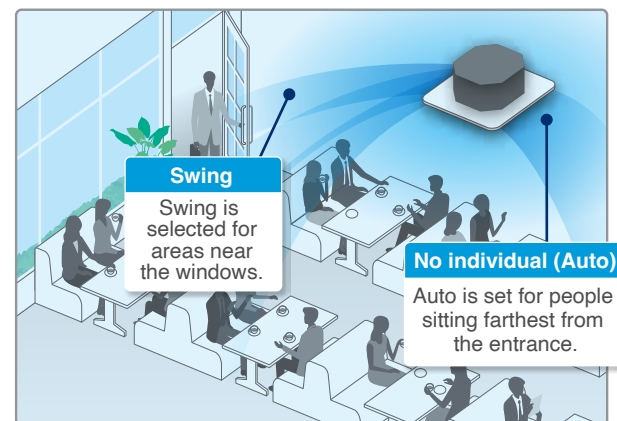
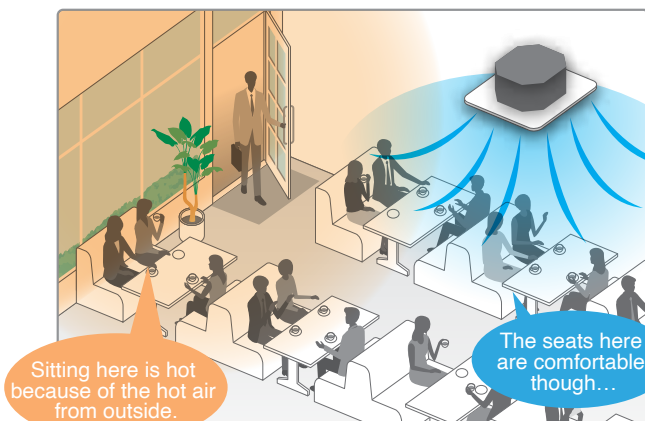
Individual airflow settings

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

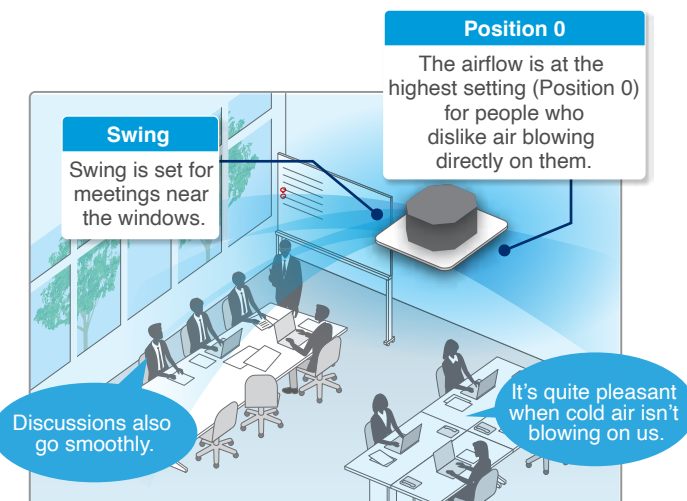
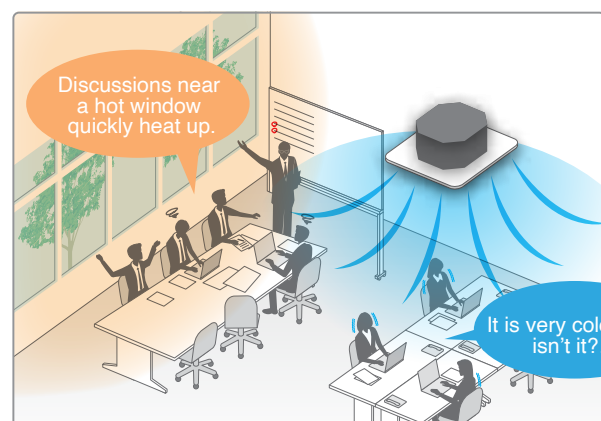
Individual settings are possible as stated above.

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

• For shops and restaurant



• For offices



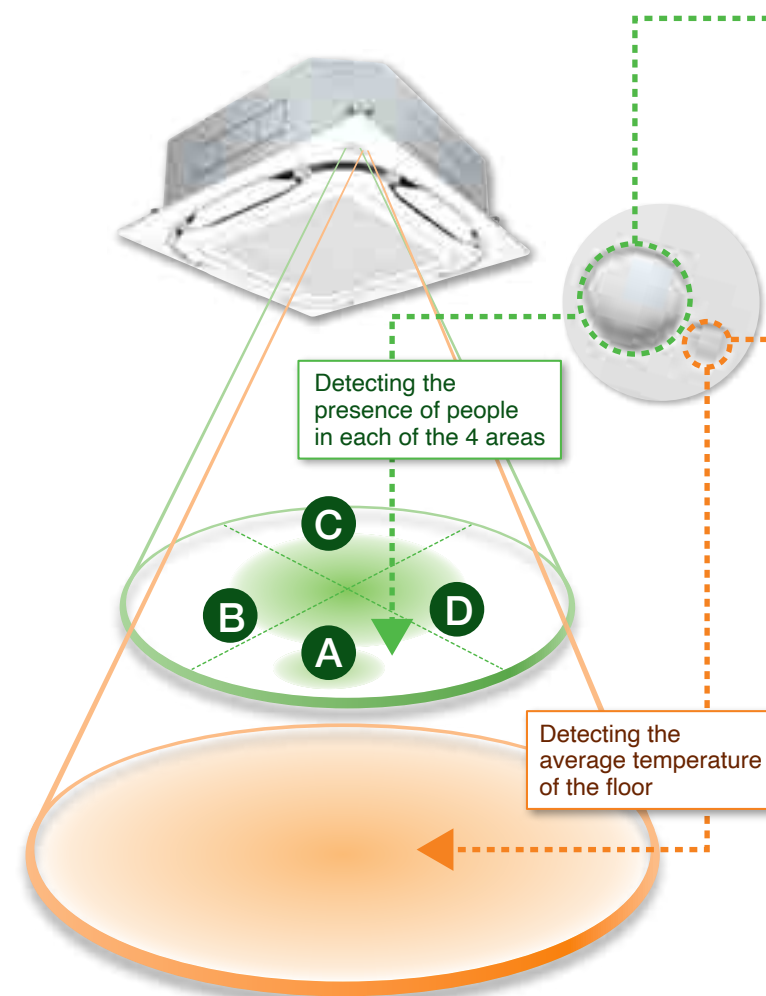
Daikin Sensing Technology *2

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

FCTF / FCF only

Dual Sensors

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) ^{*3}	approx. 8.5m	approx. 11.5m	approx. 13.5m

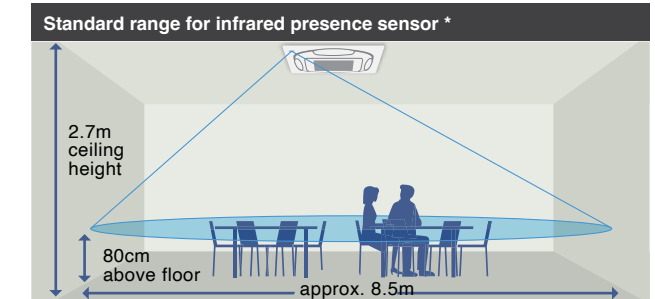
*3. The infrared presence sensor detects 80cm above the floor.

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) ^{*4}	approx. 11m	approx. 14m	approx. 16m

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



[Concerning infrared presence sensor]
- People are detected by large movements such as the motion of people walking at a certain distance away from sensor.
- Human detection is not possible for blind areas of sensor.
[Concerning infrared floor sensor]
- The detected temperature may sometimes be affected by a heat source, window, or device emitting heat in the detection range.

Auto Airflow Functions*5

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

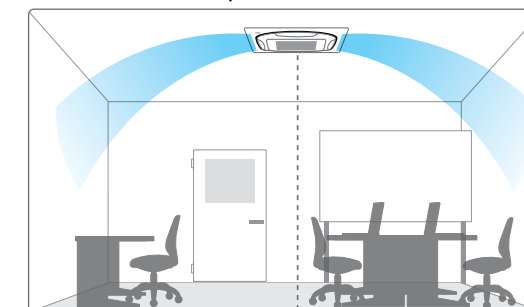
Direct Airflow*6 (default: OFF)

Cooling

Dry

*6. Applicable when BRC1E63 is used.

When human presence is not detected



When human presence is detected



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

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

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



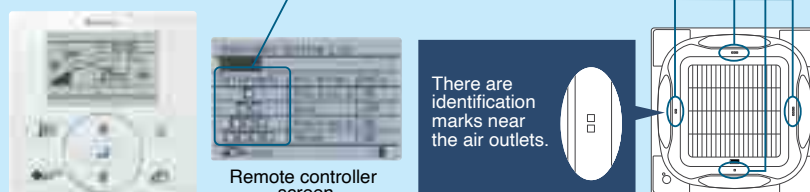
Individual Airflow Direction Control *1

*1. Applicable when wired remote controller BRC1E63 or BRC1H63W(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



Position 0
(Fixed airflow to highest position)

No individual setting
(Auto airflow)

Swing
(Up/down)

Position 4
(Fixed airflow to the lowest position)

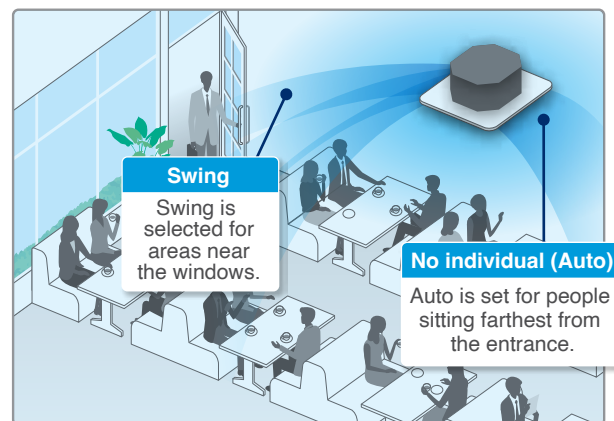
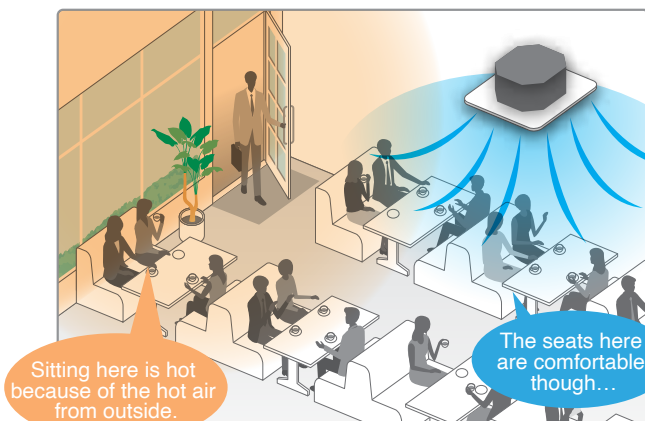
Individual airflow settings

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

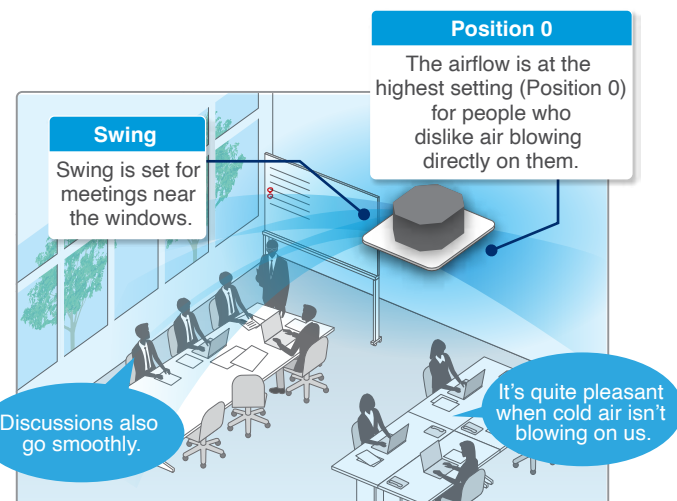
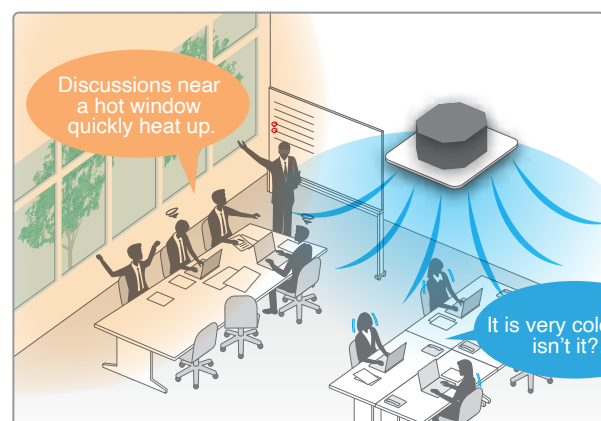
Individual settings are possible as stated above.

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

• For shops and restaurant



• For offices



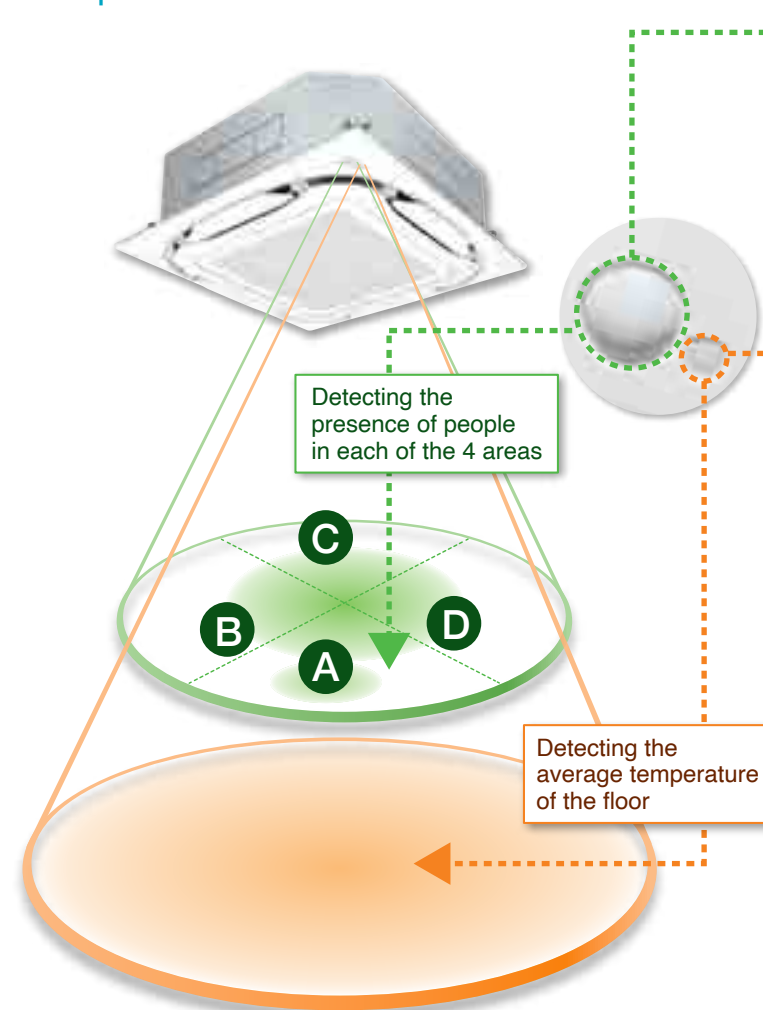
Daikin Sensing Technology *2

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

FCTF / FCF only

Dual Sensors

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) ^{*3}	approx. 8.5m	approx. 11.5m	approx. 13.5m

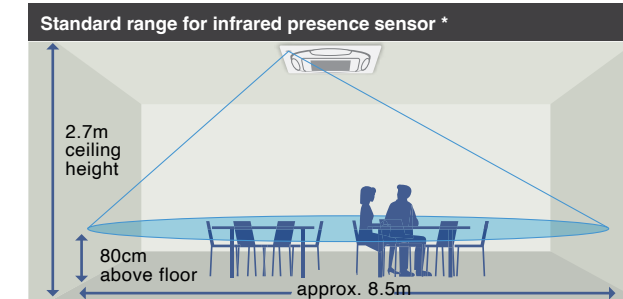
*3. The infrared presence sensor detects 80cm above the floor.

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) ^{*4}	approx. 11m	approx. 14m	approx. 16m

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



[Concerning infrared presence sensor]
- People are detected by large movements such as the motion of people walking at a certain distance away from sensor.
- Human detection is not possible for blind areas of sensor.
[Concerning infrared floor sensor]
- The detected temperature may sometimes be affected by a heat source, window, or device emitting heat in the detection range.

Auto Airflow Functions*5

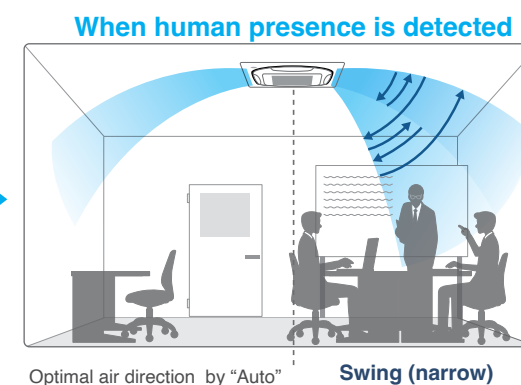
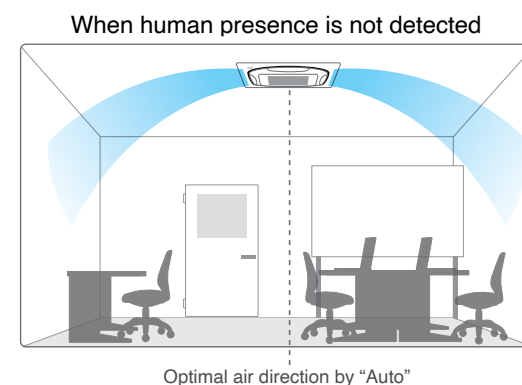
*5. Airflow direction should be set to "Auto".

Direct Airflow*6 (default: OFF)

Cooling

Dry

*6. Applicable when BRC1E63 is used.

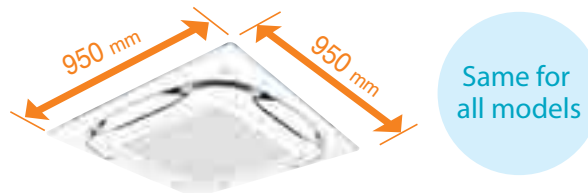


- With "Auto" airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.
- When human is not detected for 5 minutes, the unit automatically returns to controlling the flaps for an unoccupied room.
- When presence is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.

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 ¹	Draft prevention setting (field setting)	Ceiling soiling prevention setting ² (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			
Auto air direction control		The air direction is set automatically to the memorised position of the previous air direction.	

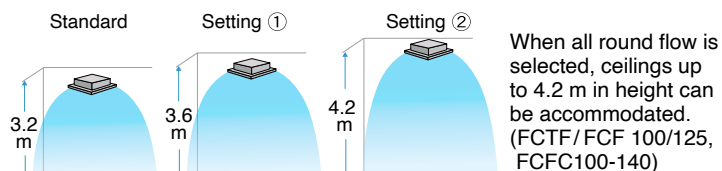
Note:
¹ Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote controller.
² Closing of the corner discharge outlets is recommended.

Switchable fan speed:

- FCTF / FCF** 5 steps and Auto
- FCFC** 3 steps and Auto

Suitable for high ceilings

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



Quiet operation

Indoor unit	Sound pressure level dB(A)				
	H	HM	M	ML	L
FCTF / FCF 50-71	37.0	34.5	32.0	29.5	27.5
FCTF / FCF 100	45.0	42.0	39.0	36.5	34.0
FCTF / FCF 125	46.0	43.5	41.0	38.5	36.0
FCFC100	45.0	—	38.0	—	33.0
FCFC125/140	46.0	—	40.0	—	33.0

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

		Number of air discharge outlets used							
		FCTF / FCF 50-71				FCTF / FCF 100/125, FCFC100-140			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
Ceiling height	Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m
	High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m
	High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—

Note:
• 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

Standard panel	256mm (FCTF / FCF 50-71) 298mm (FCTF / FCF 100/125, FCFC100-140)	261mm (FCTF / FCF 50-71) 303mm (FCTF / FCF 100/125, FCFC100-140)
----------------	---	---

Designer panel	256mm 298mm 42mm ^{*1}	261mm 303mm +42mm ^{*1}
----------------	--------------------------------------	---------------------------------------

^{*1} Body height (ceiling required space) is 42 mm higher than standard panel.

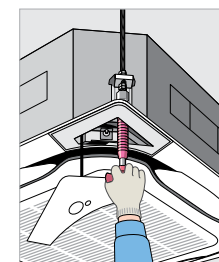
Auto grille panel	256mm 298mm 55mm ^{*2}	261mm 303mm +55mm ^{*2}
-------------------	--------------------------------------	---------------------------------------

^{*2} Body height (ceiling required space) is 55 mm higher than standard panel.

^{*}When the ceiling space is limited, an optional panel spacer is available.

Easy height adjustment

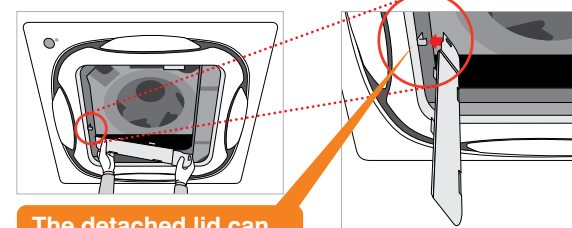
Each corner of the unit has an adjuster pocket that lets you easily adjust the unit's suspended height.



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

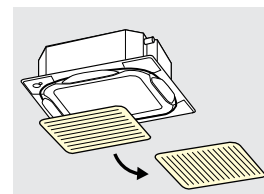
Because the control box lid can be temporarily hung on the unit, there is no need to climb down the stepladder to retrieve it.



The detached lid can be hung on a hook.

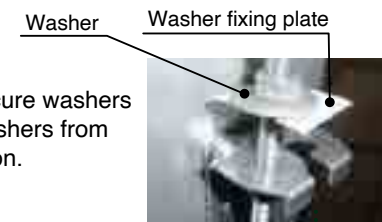
Installed in any direction

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.



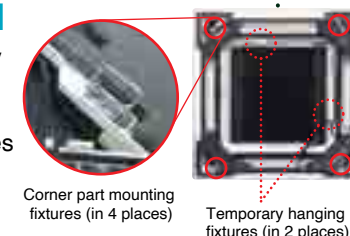
Easy removal of corner cover

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



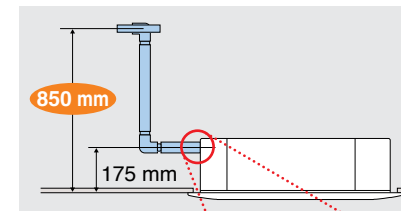
Ease in temporary hanging of decoration panel

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
Designer panel	167-172mm
Auto grille panel	180-185mm
Chamber option [*] + standard panel	175-180mm

^{*}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.

Just open the suction grille!



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 35

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

Low gas pressure detection

Auto grille panel (option)

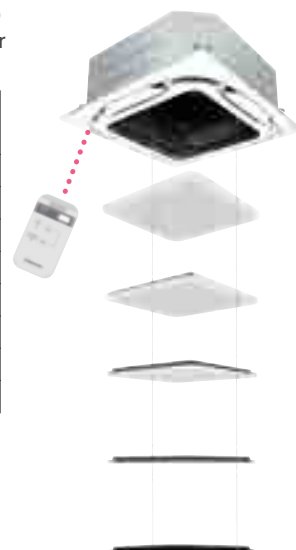
Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

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 32.

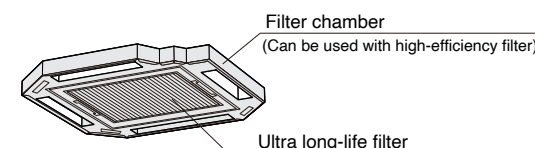


Options

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

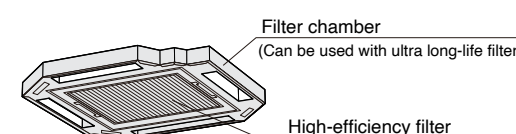
*For dust concentration of 0.3 mg/m³ (Requires separately sold Air purifier.)
1 year (Approx. 5,000 hr) $\approx$ 15 hr/day x 28 day/month x 12 month/year

Ordinary store or office: filter change every 4 years

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

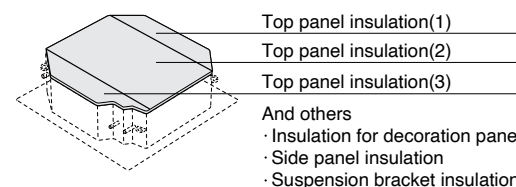
High-efficiency filter unit

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



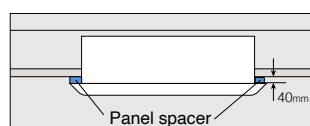
Insulation kit for high humidity

Please use for cases when the temperature and humidity inside ceiling may exceed 30°C and 80%RH, 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

*FCTF series is not available.

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

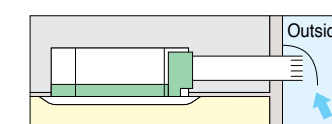
Branch duct chamber

*FCTF series is not available.

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

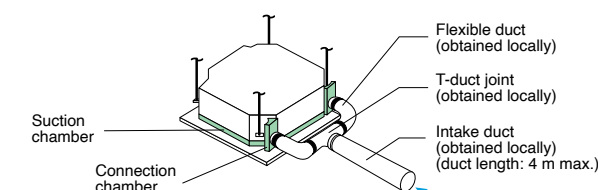
Fresh air intake kit *4,5

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.

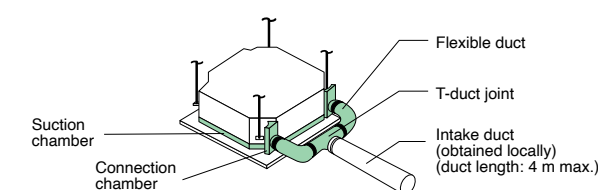


The units can be installed in the following different ways

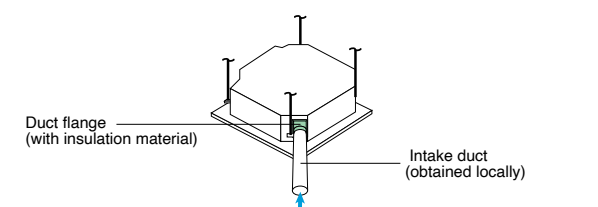
Chamber type (without T-duct joint) *6,7,8 **KDDP55C160**



Chamber type (with T-duct joint) *6,7,8 **KDDP55C160K**



Direct installation type *9 **KDDP55X160A**



Note: *4. Use of options will increase operating sound.

*5. Connecting ducts, fan, insect nets, fire dampers, air filters, and other parts should, as required, be obtained locally.

*6. When a local-obtained fan is used, an interlock with air conditioner is necessary. Optional PCB (BRP11B62) is required for interlocking.

*7. When installing a fresh air intake kit (chamber type), two air outlet corners are closed.

*8. 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.

*9. 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.

Options

High performance prefilter (MERV 8 filter)

MERV 8 rating

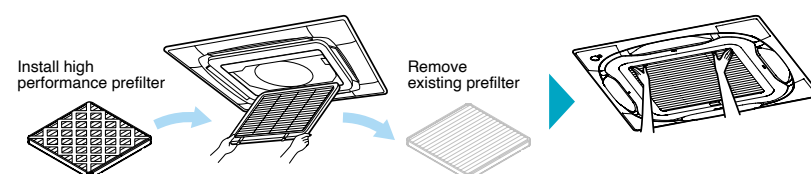
PM2.5 filtration

This filter can catch fine particles that cannot be removed by the existing prefilter, capturing 97% of 1.0-3.0 μ m particles and 99% of 3.0-10 μ m particles when air passes through the filter 10 times.

Easy replacement

The existing prefilter can be replaced easily*. Since it's a chamberless filter, the installer will remove the existing prefilter and replace it with the high performance prefilter.

* The filter should be fixed to the air conditioner with attached components, so consult your dealer when installing or replacing the filter.



Filter change twice a year

Specifications

Dimensions	mm	526 x 523 x 35
Airflow rate	m ³ /min	13.0 22.9 37.0
Initial Pressure Drop*2	Pa	18.1 35.8 81.4
Weight	g	520
Lifetime *3		6 months (1,250 hours)
Reuse		Non-reusable

Note: 1. Field setting for high ceiling application is required. The setting number differs according to each model. Please refer to the installation manual.

*2. This result is based on the test of the filter only. The results may be different in the actual use environment where the filter is installed in the indoor unit.

*3. Filter lifetime may vary depending on the condition of the operating environment. Certain instances such as high traffic areas, pets or smokers in a residence, or other situations may require more frequent changes.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

Middle static type allows greater flexibility



NEW FBFC50/60EVMG
FBFC71/100/125/140DVMG

Option Accessory required for indoor unit.

Wired Remote Controllerer *1

- Stylish Remote Controller (Wired)
- Navigation Remote Controller (Wired)
- Simplified Remote Controller (Wired)



BRC1H63W
(White)



BRC1H63K
(Black)



BRC1E63



BRC2E61

Note: *1 Remote controller cable is not included and must be obtained locally.

Wireless Remote Controller *2

- Wireless Remote Controller



Cooling only
BRC4C66

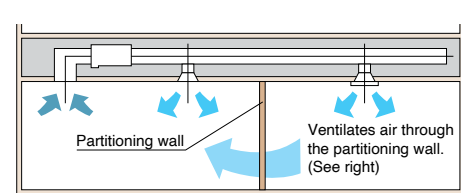


Signal
receiver unit
(Separate type)
Wireless remote controller is
supplied in a set with a signal
receiver.

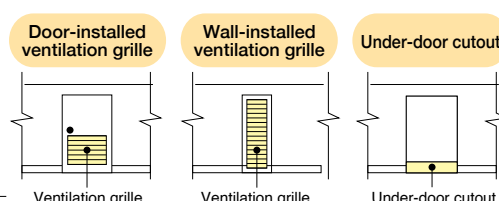
Note: *2 A signal receiver must be added to the indoor unit.

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.



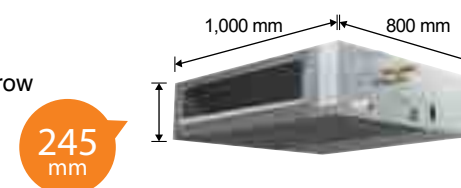
Note: The under-door cutout method should be used only when there is a small volume of airflow.



Design and Installation Flexibility

Only 245 mm high

Installation is possible even in buildings with narrow ceiling spaces.

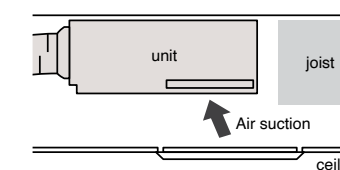


One of the industry's most compact bodies in the mid-static pressure range.

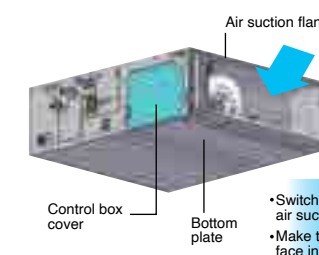
Indoor unit	FBFC50/60	FBFC71	FBFC100/125/140
Height	245 mm		
Width	700 mm	1,000 mm	1,400 mm
Depth	800 mm		

Bottom suction is available

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

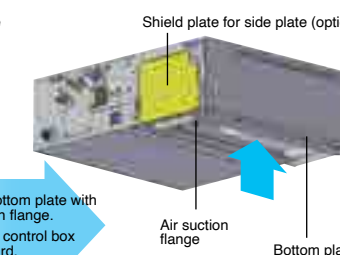


Rear suction



Control box faces outward.

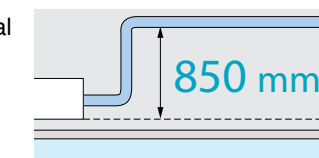
Bottom suction



Control box cover
Control box faces inward.

Higher lift is realized (Option)

A DC drain pump with optional accessory is utilised.



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 (Option)

These are utilised to improve energy efficiency.

Adjustable E.S.P.

External static pressure can be controlled to within a range of 50 Pa to 150 Pa (FBFC100-140)* 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.

*30-130 Pa for FBFC50/60, 40-140 Pa for FBFC71.

Airflow rate auto adjustment function

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

Interlock control

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

* Field setting with remote controller



DIII-NET communication standard

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

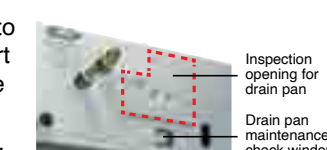
Easy Maintenance

Position of drain pan inspection opening

Modified for easier inspection work.

Drain pan maintenance check window

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



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.)



CEILING SUSPENDED TYPE

Comfortable airflow travels throughout the room



NEW FHA50/60/71/100/125/140DVMG
FHFC100/125/140DV1G

Option

Accessory required for indoor unit.

Wired Remote Controllerer *1

- Stylish Remote Controller (Wired)
- Navigation Remote Controller (Wired)
- Simplified Remote Controller (Wired)



BRC1H63W
(White)



BRC1H63K
(Black)



BRC1E63



BRC2E61

Note: *1 Remote controller cable is not included and must be obtained locally.

Wireless Remote Controller *2

- Wireless Remote Controller



FHA
Cooling only
BRC7M56



FHFC
Cooling only
BRC7GA56



Signal receiver unit
(Installed type)

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

Note: *2 A signal receiver must be added to the indoor unit.

FHA	Specification	Option	FHFC	Specification	Option
	P.55	P.61		P.57	P.61

Stylish Model

Sophisticated design

Flap neatly closes when not in use.



White colour

Comfort

The technology

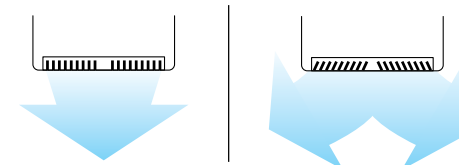
DC fan motor, wide sirocco fan, and large heat exchanger combine for greater airflow and quiet operation

Auto swing (up and down) and louvers

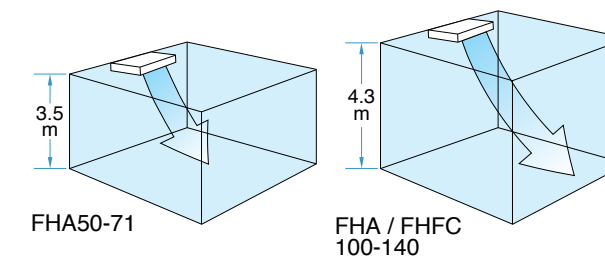
(left and right by hand)

Bring comfort to the room.

Louver manually adjusts for straight or wide angle airflow



Suitable for high ceilings



FHA50-71

FHA / FHFC
100-140

FHA	50-71	100	125/140
FHFC	—	100	125/140
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:

- FHA 5 steps and Auto
- FHFC 3 steps and Auto

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.

Streamer Filter Clean Function *3

*3. Applicable when BRC1H63W(K) is used.

FHA only See page 20

Streamer filter clean unit (Option)

Irradiates Streamer when the fan and air conditioning operation are stopped.
Streamer fumigates the cabin and sterilizes the filter.



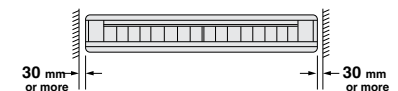
BAPWS55A61

Remarks:
The Streamer function operates only when the fan and air conditioning operation are stopped.
The maximum operation time of Streamer is 180 minutes per day.

Installation Flexibility for Freedom of Design

Flexible installation

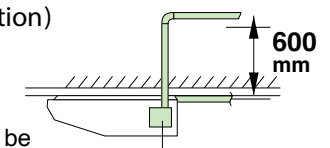
The unit fits more snugly into tight spaces.



*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.



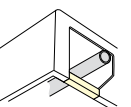
Drain pump kit
(built inside the unit)

DIII-NET communication standard

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.

Non-flocking flap



Easy-clean, flat surfaces

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

RZF series

Cooling only

1 Phase



NEW
RZF50/60/71DVMG
RZF50/60/71DAVMG



NEW
RZF100DVMG
RZF100DAVMG



NEW
RZF125DVMG
RZF125/140DAVMG

RZFC series

Cooling only

3 Phase



RZFC100DY1G



RZFC125/140DY1G

Easy Installation and Maintenance

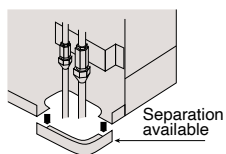
4-direction piping offers greater layout freedom

(RZF125/140, RZFC125/140)

The outer panel for the piping connection part of the front, right side and backside can be removed and is easier for post-installation piping work.

Removable part of bottom frame makes the piping work easier

(RZF125/140, RZFC125/140)



Facilitates pump down (Refrigerant recovery function)

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

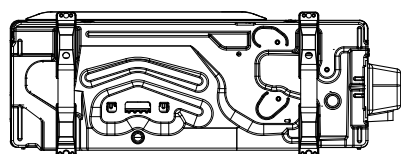
*Pump-down function is available for pre-charged refrigerant amount.
*Although pumping-down operation allows most of the refrigerant to be recovered in a short period of time, some refrigerant will remain inside the indoor unit and refrigerant piping.
Using a refrigerant recovery machine, recover remaining refrigerant from the stop valve service port until the pressure falls to 0.09 MPa. (gauge pressure: -0.011 MPa) or less.

Low gas pressure detection function

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

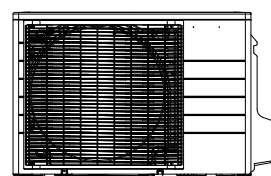
Smooth Drainage

Bottom frame structure allows water to flow smoothly



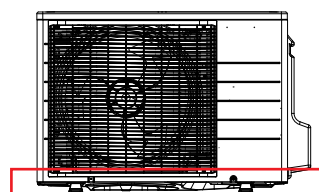
Taller installation leg than current model

current



595 mm

NEW RZF50/60/71DVMG
RZF71DAVMG



608 mm

RZF series

Reuse of Existing Piping: Refrigerant Pipe Size Table

Outdoor Unit		Existing pipe size (Liquid / Gas)								Height difference	Design pressure (High pressure)
		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			
RZF50-71DVMG	9.5 / 15.9	Condition	■	▲	■	◎	×	△	×	Max. 30m	4.17MPa
		Max. piping length	10m*	10m*	50m	50m	—	25m	—		
		Chargeless piping length	10m	10m	30m	30m	—	15m	—		
RZF100/125DVMG	9.5 / 15.9	Condition	■	▲	■	◎	○	△	△	Max. 30m	4.17MPa
		Max. piping length	10m*	10m*	50m	50m	50m	25m	25m		
		Chargeless piping length	10m	10m	30m	30m	30m	15m	15m		

- ◎ Standard pipe size
- Same condition with standard pipe
- △ Piping length and chargeless piping length are shortened
- Cooling capacity is lowered (pay attention to piping length)
- ▲ Piping length and chargeless piping length are much shortened
- ×

★ The allowable minimum piping length is 5 m.

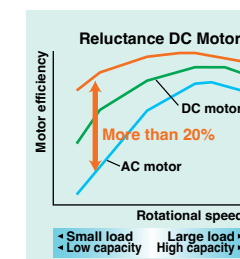
- Refer to the installation manual for details other than those mentioned in the left table such as additional refrigerant charge amount.
- Clean the existing piping if its length exceeds 30m.
- Clean the existing piping if existing piping length exceeds limit of chargeless piping length to perform pump-down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

Technology for Energy Efficiency

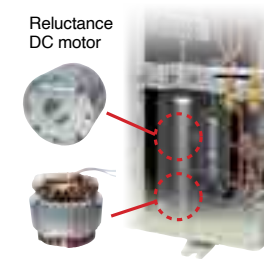
The high efficiency compressor to achieve a high COP

1 Compressor equipped with reluctance DC motor

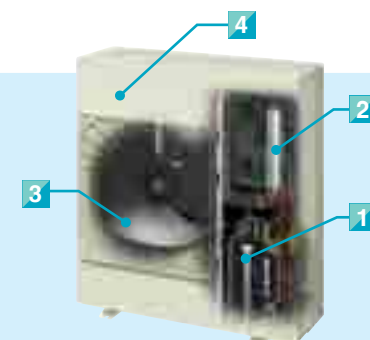
Daikin DC Inverter models are equipped with the reluctance DC motor for compressor. The reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2. This motor can save energy because it generates more power with a smaller electric power than an AC or previous DC motor.



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

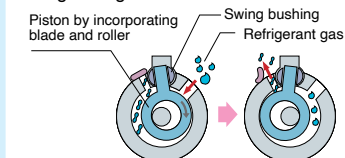


- A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
- The torque created by the change in power between the iron and magnet parts.



Swing compressor
High efficiency during partial load operation.

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

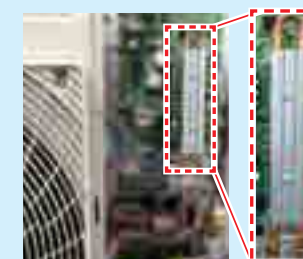


2 Refrigerant cooling

(RZF100-140, RZFC100-140)

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

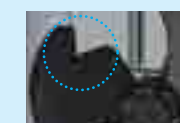
Refrigerant cooling helps protect the printed circuit board and maintains high cooling capacity even during high outdoor temperatures.



3 Fan

V-cut Propeller Fan (RZF50-100, RZFC100)

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

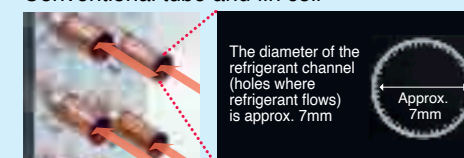


Imitating the performance of the swan

4 High condensing capacity by micro channel heat exchanger

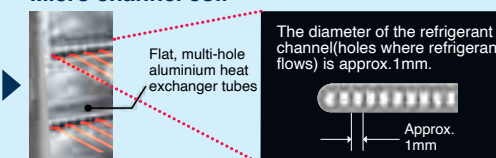
Reduced wind resistance The flattening of the heat exchanger tubes improves the flow of air and increases heat exchange efficiency.

Conventional tube and fin coil



Flow of refrigerant

Micro channel coil



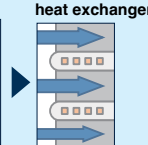
Flow of refrigerant

Conventional heat exchanger



Utilizing flat, multi-hole heat exchanger tubes increases the heat exchange area and realizes energy savings.

Micro channel heat exchanger



Stylish Remote Controller (Wired Remote Controller)

BRC1H63W/K



BRC1H63W (White)



BRC1H63K (Black)



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.



Streamer function

See page 20

Streamer ON/OFF setting and status icon are available.

- Streamer function (Mould proof setting) ON/OFF can be set by field setting with the remote controller.

Convenient new functions

- OFF timer
 - Preset from 1 to 96 hours in 1-hour increments.
- Weekly schedule timer
- OTA (Over The Air): remote update function
- Simple display for hotel guests
- Zigbee™ sensor interlocking

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

- Setback temperature can be set from upper limit of setpoint +1°C to 35°C.

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.

- Recovery differential can be set up to -8°C from setback temperature.

- 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.

Navigation Remote Controller (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.

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

Setpoint range set

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

Convenience

Weekly schedule

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

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.

Energy consumption monitoring ^{*1,2,3,4}

- 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:

^{*1} Availability of this function may vary according to model (limited to partial functionality)

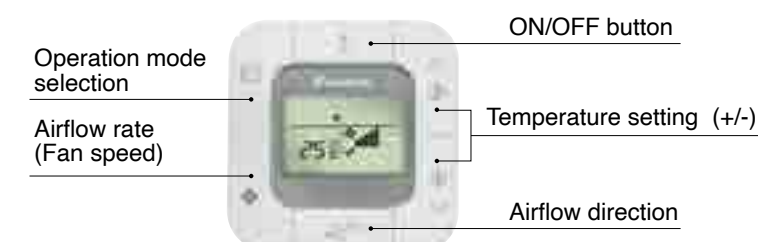
^{*2} Time setting is necessary.

^{*3} This function cannot be used during group control.

^{*4} 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.

Simplified Remote Controller (Wired Remote Controller)

BRC2E61



Simple operation

Using only six buttons, users have direct access to basic functions. This enables them to easily set comfort to their preference.

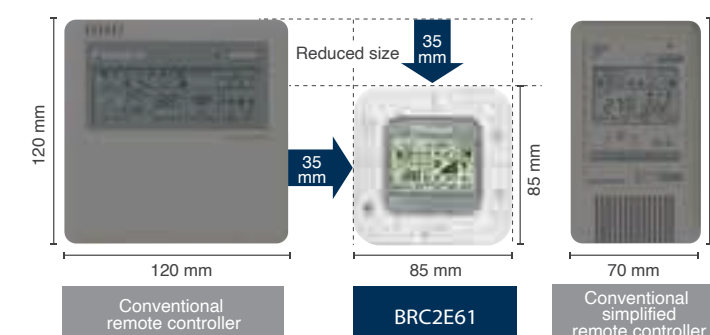
Intuitive design

By using pictograms, the user-friendly interface enables:

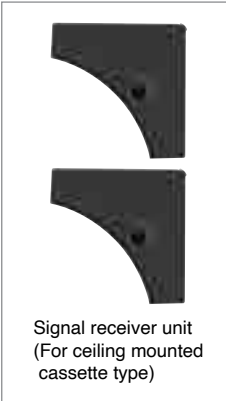
- Overseas guests at hotels to understand functions without having to know a foreign language.
- Children and elderly users at home to operate without having to read difficult and hard-to-see commands.

Compact

Measuring only 85 x 85 mm, the new remote controller is extremely compact and complements any interior design.



Wireless Remote Controller



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.

BRC7M635F(K)



Signal
receiver unit
(Installed type)



Signal
receiver unit
(Separate type)

BRC7M56 BRC7GA56

BRC4C66

Wireless remote controller for each
indoor unit type

	Cooling only
CEILING MOUNTED CASSETTE TYPE	BRC7M635F(K)
DUCT CONNECTION MIDDLESTATIC PRESSURE TYPE	BRC4C66
CEILING SUSPENDED TYPE	BRC7M56 (FHA series) BRC7GA56 (FHFC series)

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).
- 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.

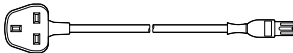
Airflow / swing display	Displays auto-swing operating status and setting position of air discharge angle.
Preset temperature / operation mode display	Displays preset room temperature and operating status (fan, dry, cool).
Programming time display	Operation start and stop time can be set for individual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

Simple Touch Controller (Central Controller)

NEW DTP401A61



GOOD DESIGN
AWARD 2024



Separately sold adaptor:
DTP401A66 is required.

All in One Remote Controller

Combined functions of Central remote controller, Unified On/Off controller, and Schedule timer.

Versatile Aesthetic

Sleek and minimalist design that seamlessly blends in with various interior style, from modern offices to upscale residences.

Intuitive Design

Easy to navigate and operate the controller with touch screen of 8 inch.

Flexibility and Adaptability

Suitable for a wide range of application across different environments.

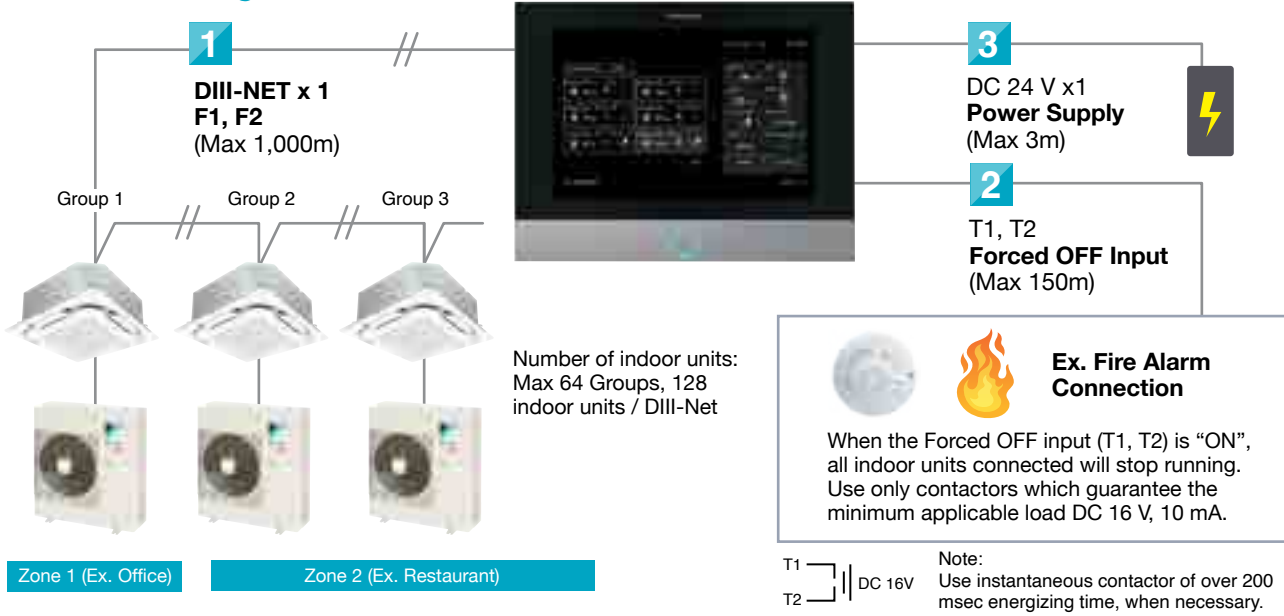
Daikin Eye

The design has a sense of unity with Stylish Remote Controller, and used for turning on/off the display.
Brightness can be set in 3 levels (Off/Low/High).

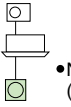
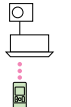
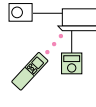
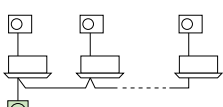
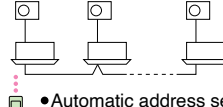
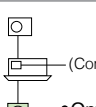
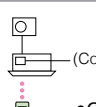
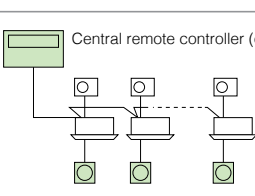
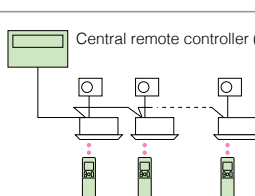
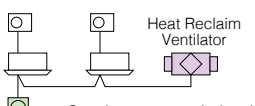
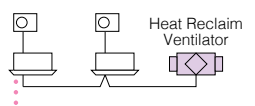
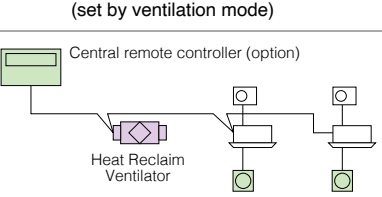
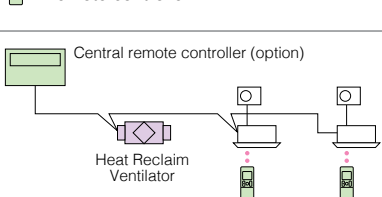
Functions

Number of Management Groups	DIII-Net x 1 Port 64 Groups / 128 Units
Control	On/Off
	Temperature Setting
	Mode Setting
	Remote Control Acceptance / Rejection
	Air Flow Rate Setting
	Air Flow Direction Setting
Monitoring	Weekly Schedule
	On/Off Status
	Error
	Malfunction Code
	Filter Sign
Other Controls	Fan Status
	Daylight Saving Time
	Zone Control
	Forced OFF by External

Connection Diagram



System variation to control multiple indoor units

	Control pattern	Wired remote controller	Wireless remote controller
Control by 1 remote controller	(Basic system)	 •Non-polar, double-core (max. wiring length 500 m)	 •Signal receiver unit installed on indoor unit
Control by 2 remote controllers	For control from 2 locations such as in room and control room, exits, etc.	 •Connects 2 wired remote controllers (See note 1)	 •Control by 1 wireless remote controller and 1 wired remote controller (See note 2 and 3) •Signal receiver unit installed on indoor unit
Group control	For simultaneous control of up to 16 indoor units.	 •Automatic address setting function	 •Automatic address setting function •Signal receiver unit installed on 1 indoor unit
Control by external command	Operation and monitoring is carried out using the contact signal from the operation control box in the monitoring room.	 (Command from outside) •Optional wiring adaptor for electrical appendices is necessary	 (Command from outside) •Optional wiring adaptor for electrical appendices is necessary
Centralised remote control	Centralised control of up to 64 indoor groups from remote location up to 1 km away.	 Central remote controller (option)	 Central remote controller (option)
Interlock control with Heat Reclaim Ventilator	Link by remote controller group control.	 Heat Reclaim Ventilator •Can be operated simultaneously or independently by remote controller (set by ventilation mode)	 Heat Reclaim Ventilator •Can be operated simultaneously by remote controller
	Zone link control by centralised control.	 Central remote controller (option) Heat Reclaim Ventilator •Heat Reclaim Ventilator for indoor units within a zone is operated by interlocking. Can also be operated independently by remote controller.	 Central remote controller (option) Heat Reclaim Ventilator •Heat Reclaim Ventilator for indoor units within a zone is operated by interlocking.

Note: ¹ Available combinations: 1) BRC1H63W(K) (main) and BRC1H63W(K) (sub) 2) BRC1E63 (main) and BRC1E63 (sub) 3) BRC2E61 (main) and BRC2E61 (sub) 4) BRC1E63 (main) and BRC2E61 (sub)
² When a wireless remote controller is used, it is not possible to use 2 wireless remote controllers.
³ Available combinations: Please refer to table*4 on page 49.

Whatever your space, give it the comfort it deserves



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

Simple touch controller	Central remote controller	Unified on/off controller	Schedule timer	Intelligent Controller	Smart Control Hub
NEW DTP401A61 (Option)	DCS302CA61 (Option)	DCS301BA61 (Option)	DST301BA61 (Option)	DCS601C51 (Option)	DCPH01 / DCPF01 / DCPF04
					
Combined functions of Central remote controller, Unified On/Off controller, and Schedule timer.	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.	Centralised control and monitor with this smart hub for SkyAir units and other integrated smart devices from smart phone or tablet.
Interface adaptor for SkyAir series DTA112BA51 (Option) DTA116A51 (Option)		Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin V/VI system. Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.		● The interface adaptor for SkyAir series is required for Ceiling suspended type 50-71 class.	



Functions overview

RZF series

Cooling only

1 Phase

		CEILING MOUNTED CASSETTE TYPE < Round Flow >					
		with Streamer					
Indoor unit		 FCTF50-125BVMG			 FCF50-125DVMG		
		RZXF50-125DVMG			RZXF50-125DVMG		
Remote controller	Wired	BRC1H63W(K)	BRC1H63W(K)	BRC1E63	BRC2E61	—	—
	Wireless	—	—	—	—	BRC7M635F(K)	—

Energy Saving	1	Energy consumption monitoring						
	2	Sensing sensor stop mode	▲ Sensing panel	▲ Sensing panel				
	3	Sensing sensor low mode *1	▲ Sensing panel	▲ Sensing panel				
	4	Auto display OFF	●	●	●			
	5	Setpoint auto reset			●			
	6	Setpoint range set	●	●	●			
	7	OFF timer (programmed)			●			
	8	Weekly schedule timer	●	●	●			
	9	ON/OFF timer	● *9	● *9		●	●	
Comfort	10	Circulation airflow			●			
	11	Setback	●	●	●			
	12	Quick start			●			
	13	Individual airflow control	●	●	●			
	14	Infrared presence sensor	▲ Sensing panel	▲ Sensing panel				
	15	Infrared floor sensor	▲ Sensing panel	▲ Sensing panel				
	16	Auto airflow function (Direct air, Draft prevention)	▲ Sensing panel (Draft prevention only)	▲ Sensing panel (Draft prevention only)	▲ Sensing panel			
	17	Auto swing	●	●	●	●	●	
	18	Swing pattern selection	●	●	●	●	●	
	19	Switchable fan speed	● 5 step	● 5 step	● 5 step	● 5 step	● 5 step	
	20	Auto airflow rate	●	●	●	●	●	
	21	Two selectable temperature-sensors *2	●	●	●	●	●	
	22	High ceiling application	● 3.5 m / 4.2 m	● 3.5 m / 4.2 m	● 3.5 m / 4.2 m	● 3.5 m / 4.2 m	● 3.5 m / 4.2 m	
	23	Night quiet operation *3	●		●			
Cleanliness	24	Streamer filter clean unit	●					
	25	Anti-bacterial air filter	●		●			
	26	Silver ion anti-bacterial drain pan	●		●			
Work & Servicing	27	Auto grille panel	▲		▲			
	28	Drain pump mechanism	●		●			
	29	Pre-charged for up to 15/30 m *3	● 30 m		● 30 m			
	30	Long-life filter	●		●			
	31	Filter sign	●	●	●		●	
	32	Low gas pressure detection *3	●		●			
	33	Emergency operation	●		●			
	34	Self-diagnosis function	●	●	●	●	●	
	35	Service contact display		●				
Control	36	Auto-restart	●		●			
	37	Control by 2 remote controllers *4	●	●	●	●	●	
	38	Group control by 1 remote controller	●	●	●	●	●	
	39	External equipment interlock *5	▲ Sensing panel	▲ Sensing panel				
	40	External signal forced OFF and ON/OFF operation	●		●			
	41	Key card and window / door interlock *6	▲	▲				
	42	External command control *7	▲		▲			
	43	Central remote control	●		●			
	44	Interlock control with Heat Reclaim Ventilator	●		●			
	45	DIII-NET communication standard	●		●			
Options	46	UV Streamer air purifier unit			▲			
	47	High-efficiency filter	▲		▲			
	48	Ultra long-life filter	▲		▲			
	49	High performance prefilter (MERV 8 filter)	▲		▲			
	50	Fresh air intake kit	▲		▲			

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE				CEILING SUSPENDED TYPE			
 FBFC50/60EVMG FBFC71-125DVMG				 FHA50-140DVMG			
RZXF50-125DVMG				RZXF50-140DAVMG			
BRC1H63W(K)	BRC1E63	BRC2E61	—	BRC1H63W(K)	BRC1E63	BRC2E61	—
—	—	—	BRC4C66	—	—	—	BRC7M56

1		●				● *8		
2								
3								
4	●	●			●	●		
5		●			●	●		
6	●	●			●	●		
7		●				●		
8	●	●			●	●		
9	● *9		●	●	● *9		●	●
10								
11	●	●			●	●		
12		●				●		
13								
14								
15								
16								
17					●	●	●	●
18								
19	● 3 step	● 3 step	● 3 step	● 3 step	● 5 step	● 5 step	● 5 step	● 5 step
20	●	●	●		●	●	●	●
21	●	●	●		●	●	●	
22					● 3.5 m / 4.3 m	● 3.5 m / 4.3 m	● 3.5 m / 4.3 m	● 3.5 m / 4.3 m
23		●						
24					▲			
25		▲				●		
26		●						
27								
28		▲				▲		
29		● 30 m				● 50/60DA: 15 m, 71-140DA: 30 m		
30		▲						
31	●	●		●	●	●		●
32		●				●		
33		●				● *8		
34	●	●	●	●	●	●	●	●
35		●				●		
36		●				●		
37	●	●	●	●	●	●	●	●
38	●	●	●	●	●	●	●	●
39								
40		●				●		
41	▲				▲			
42		▲				▲		
43		●				●		
44		●				●		
45		●				●		
46								
47		▲						
48								
49								
50								

Note: ● : Function is available.
▲ : Function is available with Option.

*1 : Not applicable when group control.

*2 : Applicable when wired remote controller is used.

*3 : For outdoor units.

*4 : Available combinations are in the table*4.

*5 : Adaptor for Wiring (and installation box) is necessary.

*6 : Digital input adaptor (and installation box) is necessary.

*7 : Wiring adaptor for electrical appendices (and installation box) is necessary.

*8 : Applicable when RZXF71-140DAVMG is used.

*9 : OFF timer only.

Table *4			Main		
			Wired remote controller		
Sub	Wired remote controller	BRC1H63W(K)	●		
		BRC1E63		●	
		BRC2E61		●	●
	Wireless remote controller	BRC4C* BRC7C /E/F/G*			●
		BRC7M* BRC4M*		●	●

● Possible

Functions overview

RZFC series

Cooling only

3 Phase

		CEILING MOUNTED CASSETTE TYPE 〈 Round Flow 〉				DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE			
Indoor unit		 FCFC100-140DVMG				 FBFC100-140DVMG			
Outdoor unit		RZFC100-140DY1G				RZFC100-140DY1G			
Remote controller	Wired	BRC1H 63W(K)	BRC1E63	BRC2E61	—	BRC1H 63W(K)	BRC1E63	BRC2E61	—
	Wireless	—	—	—	BRC7M 635F(K)	—	—	—	BRC4C66

Energy Saving	1	Energy consumption monitoring						●*9	
	2	Sensing sensor stop mode	▲ Sensing panel						
	3	Sensing sensor low mode *1	▲ Sensing panel						
	4	Auto display OFF	●	●			●	●	
	5	Setpoint auto reset		●				●	
	6	Setpoint range set	●	●			●	●	
	7	OFF timer (programmed)		●				●	
	8	Weekly schedule timer	●	●			●	●	
	9	ON/OFF timer	●*10		●	●	●*10		●
Comfort	10	Circulation airflow		●					
	11	Setback	●	●			●	●	
	12	Quick start		●				●	
	13	Individual airflow control	●	●					
	14	Infrared presence sensor	▲ Sensing panel						
	15	Infrared floor sensor	▲ Sensing panel						
	16	Auto airflow function (Direct air, Draft prevention)	▲ Sensing panel (Draft prevention only)	▲ Sensing panel					
	17	Auto swing	●	●	●	●			
	18	Swing pattern selection	●	●	●	●			
	19	Switchable fan speed	● 3 step	● 3 step	● 3 step	● 3 step	● 3 step	● 3 step	● 3 step
	20	Auto airflow rate	●	●	●	●	●	●	●
	21	Two selectable temperature-sensors *2	●	●	●		●	●	●
	22	High ceiling application	● 4.2 m	● 4.2 m	● 4.2 m	● 4.2 m			
	23	Night quiet operation *3							
Cleanliness	24	Streamer filter clean unit							
	25	Anti-bacterial air filter		●				▲	
	26	Silver ion anti-bacterial drain pan		●				●	
Work & Servicing	27	Auto grille panel		▲					
	28	Drain pump mechanism		●				▲	
	29	Pre-charged for up to 15 m *3		●				●	
	30	Long-life filter		●				▲	
	31	Filter sign	●	●		●	●	●	●
	32	Low gas pressure detection *3		●				●	
	33	Emergency operation		●*8				●*8	
	34	Self-diagnosis function	●	●	●	●	●	●	●
	35	Service contact display		●			●		
Control	36	Auto-restart		●				●	
	37	Control by 2 remote controllers *4	●	●	●	●	●	●	●
	38	Group control by 1 remote controller	●	●	●	●	●	●	●
	39	External equipment interlock *5							
	40	External signal forced OFF and ON/OFF operation		●				●	
	41	Key card and window / door interlock *6	▲				▲		
	42	External command control *7		▲				▲	
	43	Central remote control		●				●	
	44	Interlock control with Heat Reclaim Ventilator		●				●	
	45	DIII-NET communication standard		●				●	
Options	46	UV Streamer air purifier unit							
	47	High-efficiency filter		▲				▲	
	48	Ultra long-life filter		▲					
	49	High performance prefilter (MERV 8 filter)		▲					
	50	Fresh air intake kit		▲					

CEILING SUSPENDED TYPE				
 FHFC100-140DV1G				
RZFC100-140DY1G				
BRC1H63W(K)	BRC1E63	BRC2E61	—	
—	—	—	BRC7GA56	

1		●*9		
2				
3				
4	●	●		
5		●		
6	●	●		
7		●		
8	●	●		
9	●*10		●	●
10				
11	●	●		
12		●		
13				
14				
15				
16				
17	●	●	●	●
18				
19	● 3 step	● 3 step	● 3 step	● 3 step
20	●	●	●	
21	●	●	●	
22	● 4.3 m	● 4.3 m	● 4.3 m	● 4.3 m
23				
24				
25		●		
26				
27				
28		▲		
29		●		
30		●		
31	●	●		●
32		●		
33		●*8		
34	●	●	●	●
35		●		
36		●		
37	●	●	●	●
38	●	●	●	●
39				
40		●		
41	▲			
42		▲		
43		●		
44		●		
45		●		
46				
47				
48				
49				
50				

Note: ● : Function is available.
▲ : Function is available with Option.

*1 : Not applicable when group control.

*2 : Applicable when wired remote controller is used.

*3 : For outdoor units.

*4 : Available combinations are in the table*4.

*5 : Adaptor for Wiring (and installation box) is necessary.

*6 : Digital input adaptor (and installation box) is necessary.

*7 : Wiring adaptor for electrical appendices (and installation box) is necessary.

*8 : For 3-phase outdoor unit RZFC-DY1G only.

*9 : Applicable when RZFC125/140DV1G is used.

*10: OFF timer only

Table *4			Main		
			Wired remote controller		
Sub	Wired remote controller	BRC 1H63W(K)	●		
		BRC1E63		●	
		BRC2E61		●	●
	Wireless remote controller	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 (Direct air, Draft prevention)

When this function is set, airflow direction can be directed toward or away from people when human presence is detected.

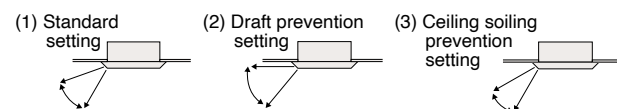
17. Auto swing

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. Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

20. Auto airflow rate

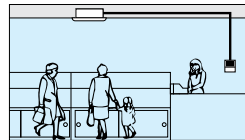
Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.

21. 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.

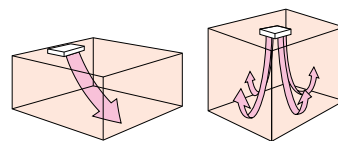
- Use the temperature-sensor in the indoor unit when controlling air conditioning from another room.

Note: Wireless remote controllers have no temperature-sensor.



22. 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.

23. Night quiet operation

Lowens the operation sound of the outdoor unit by changing the compressor frequency and fan speed. This function is convenient during the night. Field setting with remote controller enables selection of the time pattern at night. Setting with BRC1E63 menu enables selection of the period of time freely.

Cleanliness

24. Streamer filter clean unit

Irradiates Streamer when the fan and air conditioning operation are stopped. Streamer fumigates the cabin and sterilizes the filter.

25. Anti-bacterial air filter

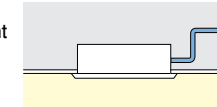
The air filter has an anti-bacterial treatment to help prevent the growth of bacteria and mould on it.

27. Auto grille panel

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

28. Drain pump mechanism

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



29. Pre-charged for up to 30 m, 15 m

If refrigerant piping length does not exceed 30 m, or 15 m, there is no need for on-site gas charging.
 •30 m: RZF-D, RZF71-140DA •15 m: RZF50/60DA, RZFC series

30. 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/m³

31. 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.

Control

36. 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.

37. 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.

38. 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.)

39. 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 through the interlock of external equipment, such as lighting, with the infrared presence sensor.
 *Adaptor for Wiring (and installation box) is necessary.

40. 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.

Options

46. UV Streamer air purifier unit

Adopts "deep ultraviolet (UVC) LED" which irradiates deep ultraviolet rays with a wavelengths of around 265 nm that have a high sterilizing effect.

47. High-efficiency filter

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

48. Ultra long-life filter

Requires no maintenance for about 4 years* (10,000h) in stores and offices.
 *For dust concentration of 0.15 mg/m³

26. 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.

32. 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.

33. Emergency operation

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

34. 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.

35. Service contact display

When installing the unit, registration of the service contact is available to the wired remote controller.

41. 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.

42. 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.

43. Central remote control

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

44. Interlock control with Heat Reclaim Ventilator

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

45. DIII-NET communication standard

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

49. High performance prefilter (MERV 8 filter)

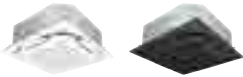
This filter can catch fine particles that cannot be removed by the existing prefilter, capturing 97% of 1.0-3.0 μm particles and 99% of 3.0-10 μm particles when air passes through the filter 10 times.

50. 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> with Streamer (1 Phase)

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



Model Name	Indoor unit		50	60	71	100	125	
			FCTF50BVMG	FCTF60BVMG	FCTF71BVMG	FCTF100BVMG	FCTF125BVMG	
	Outdoor unit		FCF50DVMG	FCF60DVMG	FCF71DVMG	FCF100DVMG	FCF125DVMG	
		RZF50DVMG	RZF60DVMG	RZF71DVMG	RZF100DVMG	RZF125DVMG		
Power supply	Outdoor unit		1 Phase, 220-240V, 50Hz					
Cooling capacity ^{1,2} Rated (Min. - Max.)		kW	5.0 (2.1-5.9)	6.0 (2.1-7.0)	7.1 (2.1-8.2)	9.5 (3.3-11.4)	11.0 (5.2-13.9)	
		Btu/h	17,100 (7,100-20,100)	20,500 (7,100-23,800)	24,200 (7,100-27,900)	32,400 (11,300-38,900)	37,500 (17,800-47,400)	
Power consumption		Cooling ¹	kW	1.04	1.37	1.88	2.51	2.56
COP			4.81	4.38	3.78	3.78	4.30	
Weighted COP			5.90	5.68	5.15	4.91	5.01	
Tick grade			4	4	4	4	4	
Indoor unit	Colour	Unit	————					
		Decoration panel	Fresh white					
	Airflow rate (H / HM / M / ML / L)		m³/min	23 / 21 / 18.5 / 16 / 13.5			34.5 / 31 / 27.5 / 24 / 20	36.5 / 33.5 / 30 / 26.5 / 23
			cfm	812 / 741 / 653 / 565 / 477			1,218 / 1,094 / 971 / 847 / 706	1,288 / 1,183 / 1,059 / 935 / 812
	Sound pressure level ³ (H / HM / M / ML / L)		dB(A)	37 / 34.5 / 32 / 29.5 / 27.5			45 / 42 / 39 / 36.5 / 34	46 / 43.5 / 41 / 38.5 / 36
	Dimensions (H×W×D)	Unit	mm	256×840×840			298×840×840	
		Decoration panel	mm	50×950×950				
	Machine weight	Unit	kg	22			26	
		Decoration panel	kg	5.5				
	Certified operation range		°CWB	14 to 25				
Outdoor unit	Colour		Ivory white					
	Coil	Type	Micro channel + Zn spray					
	Compressor	Type	Hermetically sealed swing type					
		Motor output	kW	1.3			1.6	3.3
	Refrigerant charge (R32)		kg	1.2 (Charged for 30 m)			1.3 (Charged for 30 m)	2.3 (Charged for 30 m)
	Sound pressure level ³	Cooling	dB(A)	48			49	54
		Night quiet mode	dB(A)	44			45	48
	Dimensions (H×W×D)		mm	608×845×300			695×930×350	990×940×320
	Machine weight		kg	41			48	73
	Certified operation range		°CDB	21 to 46				
	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 ⁴	mm	Connectable hose I.D. ø16				Connectable hose I.D. ø25
Max. interunit piping length		m	50 (Equivalent length 70)					
Max. installation height difference		m	30					
Heat insulation			Both liquid and gas piping					

Note : ¹ 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).
² Capacities are net, including a deduction for cooling for indoor fan motor heat.
³ 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.
⁴ Drain socket is necessary.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE (1 Phase)



			50	60	71	100	125	
Model Name	Indoor unit		FBFC50EVMG	FBFC60EVMG	FBFC71DVMG	FBFC100DVMG	FBFC125DVMG	
	Outdoor unit		RZF50DVMG	RZF60DVMG	RZF71DVMG	RZF100DVMG	RZF125DVMG	
Power supply	Indoor unit		—					
	Outdoor unit		1 Phase, 220-240V, 50Hz					
Cooling capacity ^{1,2} Rated (Min. - Max.)			kW	5.0 (2.1-5.9)	6.0 (2.1-7.0)	7.1 (2.1-8.2)	9.5 (3.3-11.4)	11.0 (5.2-13.9)
			Btu/h	17,100 (7,200-20,100)	20,500 (7,200-23,900)	24,200 (7,200-28,000)	32,400 (11,300-38,900)	37,500 (17,800-47,400)
Power consumption		Cooling ¹	kW	1.40	2.00	2.15	3.02	3.50
COP				3.57	3.00	3.30	3.15	3.14
Weighted COP				3.97	3.56	3.85	3.92	3.79
Indoor unit	Colour		—					
	Fan	Airflow rate (H/M/L)	m³/min	15.5 / 12.0 / 9.0		25.0 / 20.0 / 16.5	36.0 / 30.5 / 25.0	
			cfm	547 / 424 / 318		883 / 706 / 582	1,271 / 1,077 / 883	
		External static pressure ³	Pa	Rated 30 (30-130)		Rated 40 (40-140)	Rated 50 (50-150)	
	Sound pressure level ⁴ (H / M / L)		dB(A)	37 / 35 / 30		39 / 37 / 34	40 / 37.5 / 35	
	Air filter ⁵		—					
	Dimensions (H×W×D)		mm	245×700×800		245×1,000×800	245×1,400×800	
	Machine weight		kg	26		36	46	
	Certified operation range		°CWB	14 to 25				
	Outdoor unit	Colour		Ivory white				
Coil		Type	Micro channel + Zn spray					
Compressor		Type	Hermetically sealed swing type					
Motor output		kW	1.3		1.6	3.3		
Refrigerant charge (R32)		kg	1.2 (Charged for 30 m)		1.3 (Charged for 30 m)	2.3 (Charged for 30 m)		
Sound pressure level ³		Cooling	dB(A)	48		49	54	
		Night quiet mode	dB(A)	44		45	48	
Dimensions (H×W×D)		mm	608×845×300		695×930×350	990×940×320		
Machine weight		kg	41		48	73		
Certified operation range		°CDB	21 to 46					
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 ⁶	mm	Connectable hose I.D. ø16				Connectable hose I.D. ø25
Max. interunit piping length			m	50 (Equivalent length 70)				
Max. installation height difference			m	30				
Heat insulation			Both liquid and gas piping					

Note : ¹ 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).
² Capacities are net, including a deduction for cooling for indoor fan motor heat.
³ External static pressure is changeable in 11 stages by remote controller.
⁴ 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.
⁵ 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.
⁶ Drain socket is necessary.

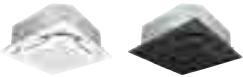
CEILING SUSPENDED TYPE (1 Phase)



			50	60	71	100	125	140				
Model Name	Indoor unit		FHA50DVMG	FHA60DVMG	FHA71DVMG	FHA100DVMG	FHA125DVMG	FHA140DVMG				
	Outdoor unit		RZF50DAVMG	RZF60DAVMG	RZF71DAVMG	RZF100DAVMG	RZF125DAVMG	RZF140DAVMG				
Power supply			1 Phase, 220-240V, 50Hz									
Cooling capacity ^{1,2} Rated (Min. - Max.)		kW	4.6 (2.1-5.8)	5.4 (2.6-6.5)	6.6 (1.9-8.0)	8.8 (2.3-10.9)	9.2 (4.9-13.9)	9.6 (5.1-14.6)				
		Btu/h	15,700 (7,200-19,800)	18,500 (8,900-22,200)	22,500 (6,500-27,300)	30,000 (7,800-37,200)	31,400 (16,700-47,400)	32,800 (17,400-49,900)				
Power consumption	Cooling ¹	kW	1.15	1.29	1.61	2.27	2.25	2.36				
COP			4.00	4.19	4.10	3.88	4.09	4.07				
Weighted COP			4.90	4.86	4.89	4.89	4.90	4.87				
Tick grade			4	4	4	4	4	4				
Indoor unit	Colour		White									
	Airflow rate (H / HM / M / ML / L)		m ³ /min	15 / 13.5 / 12 / 11 / 10			20.5 / 18.8 / 17 / 15.5 / 14		28 / 26 / 24 / 22 / 20	31 / 29 / 27 / 25 / 23	34 / 31.5 / 29 / 26.5 / 24	
			cfm	530 / 477 / 424 / 388 / 353			724 / 664 / 600 / 547 / 494		988 / 918 / 847 / 777 / 706		1,094 / 1,024 / 953 / 883 / 812	1,200 / 1,112 / 1,024 / 935 / 847
	Sound pressure level ³ (H / HM / M / ML / L)		dB(A)	37 / 36 / 35 / 33.5 / 32			38 / 37 / 36 / 35 / 34		42 / 40 / 38 / 36 / 34		44 / 42.5 / 41 / 39 / 37	46 / 44 / 42 / 40 / 38
	Air filter		Resin net (with mould resistance)									
	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		°CWB	14 to 25								
Outdoor unit	Colour		Ivory white									
	Coil	Type	Micro channel + Zn spray									
		Compressor	Type	Hermetically sealed swing type								
	Motor output		kW	1.1			1.3		1.6		2.4	
	Refrigerant charge (R32)		kg	0.72 (Charged for 15 m)			1.2 (Charged for 30 m)		1.3 (Charged for 30 m)		2.45 (Charged for 30 m)	
	Sound pressure level ³ Cooling		dB(A)	49			53				54	
	Dimensions (H×W×D)		mm	595×845×300			608×845×300		695×930×350		990×940×320	
	Machine weight		kg	34			41		48		68	
	Certified operation range		°CDB	21 to 46								
	Piping connections	Liquid (Flare)		mm	ø6.4			ø9.5				
Gas (Flare)		mm	ø12.7			ø15.9						
Drain		Indoor unit	mm	VP20 (I.D. ø20×O.D. ø26)								
		Outdoor unit ⁴	mm	Connectable hose I.D. ø16				Connectable hose I.D. ø25				
Max. interunit piping length		m	30 (Equivalent length 40)			50 (Equivalent length 70)						
Max. installation height difference		m	15			30						
Heat insulation			Both liquid and gas piping									

Note : ¹ 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).
² Capacities are net, including a deduction for cooling for indoor fan motor heat.
³ 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.
⁴ Drain socket is necessary.

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



			100		125		140	
Model Name	Indoor unit		FCFC100DVMG		FCFC125DVMG		FCFC140DVMG	
	Outdoor unit		RZFC100DY1G		RZFC125DY1G		RZFC140DY1G	
Power supply	Outdoor unit		3 Phase, 380-415V, 50Hz					
Cooling capacity ^{1,2} Rated (Min. - Max.)		kW	10.0 (3.3-11.4)		12.5 (5.2-13.9)		14.0 (5.2-14.8)	
		Btu/h	34,100 (11,300-38,900)		42,700 (17,800-47,400)		47,800 (17,800-50,500)	
Power consumption	Cooling ¹	kW	3.23		4.18		4.75	
COP			3.10		2.99		2.95	
Indoor unit	Colour	Unit		—				
		Decoration panel		Fresh white				
	Airflow rate (H / M / L)	m³/min	34 / 27 / 20			36 / 29 / 21		
		cfm	1,200 / 953 / 706			1,271 / 1,024 / 741		
	Sound pressure level ³ (H / M / L)	dB(A)	45 / 38 / 33			46 / 40 / 33		
	Dimensions (H×W×D)	Unit	mm	298×840×840				
		Decoration panel	mm	50×950×950				
	Machine weight	Unit	kg	24				
		Decoration panel	kg	5.5				
	Certified operation range		°CWB	14 to 25				
Outdoor unit	Colour		Ivory white					
	Coil	Type		Micro channel				
		Compressor		Hermetically sealed swing type				
		Motor output	kW	1.60		2.40		
	Refrigerant charge (R32)		kg	1.0 (Charged for 15 m)		1.35 (Charged for 15 m)		
	Sound pressure level ³ Cooling	dB(A)	52		54		56	
	Dimensions (H×W×D)		mm	695×930×350		990×940×320		
Machine weight		kg	46		62			
Certified operation range		°CDB	21 to 46					
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 ⁴	mm	Connectable hose I.D. ø16		Connectable hose I.D. ø25		
	Max. interunit piping length		m	50 (Equivalent length 70)				
Max. installation height difference		m	30					
Heat insulation			Both liquid and gas piping					

Note :
¹ 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).
² Capacities are net, including a deduction for cooling for indoor fan motor heat.
³ 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.
⁴ Drain socket is necessary.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE (3 Phase)



				100	125	140	
Model Name	Indoor unit			FBFC100DVMG	FBFC125DVMG	FBFC140DVMG	
	Outdoor unit			RZFC100DY1G	RZFC125DY1G	RZFC140DY1G	
Power supply	Indoor unit			—			
	Outdoor unit			3 Phase, 380-415V, 50Hz			
Cooling capacity ^{1,2} Rated (Min. - Max.)		kW	10.0 (3.4-11.0)	12.5 (5.4-13.8)	14.0 (5.5-14.1)		
		Btu/h	34,100 (11,600-37,500)	42,700 (18,400-47,100)	47,800 (18,800-48,100)		
Power consumption	Cooling ¹	kW	3.17	5.21	6.22		
COP			3.15	2.40	2.25		
Indoor unit	Colour			—			
	Fan	Airflow rate (H/M/L)		36.0 / 30.5 / 25.0			
				1,271 / 1,077 / 883			
		External static pressure ³		Rated 50 (50-150)			
	Sound pressure level ⁴ (H/M/L)		dB(A)	40 / 37.5 / 35			
	Air filter ⁵			—			
	Dimensions (H×W×D)		mm	245×1,400×800			
	Machine weight		kg	46			
	Certified operation range		°CWB	14 to 25			
	Outdoor unit	Colour			Ivory white		
Coil		Type		Micro channel			
		Compressor		Hermetically sealed swing type			
		Motor output	kW	1.60	2.40		
Refrigerant charge (R32)			kg	1.0 (Charged for 15 m)	1.35 (Charged for 15 m)		
Sound pressure level ⁴		Cooling	dB(A)	52	54	56	
Dimensions (H×W×D)		mm	695×930×350	990×940×320			
Machine weight		kg	46	62			
Certified operation range		°CDB	21 to 46				
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 ⁶	mm	Connectable hose I.D. ø16	Connectable hose I.D. ø25	
				Max. interunit piping length			m
Max. installation height difference		m	30				
Heat insulation			Both liquid and gas piping				

Note :
¹ 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).
² Capacities are net, including a deduction for cooling for indoor fan motor heat.
³ External static pressure is changeable in 11 stages by remote controller.
⁴ 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.
⁵ 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.
⁶ Drain socket is necessary.

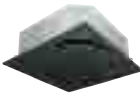
CEILING SUSPENDED TYPE (3 Phase)



				100	125	140
Model Name	Indoor unit			FHFC100DV1G	FHFC125DV1G	FHFC140DV1G
	Outdoor unit			RZFC100DY1G	RZFC125DY1G	RZFC140DY1G
Power supply	Outdoor unit			3 Phase, 380-415V, 50Hz		
Cooling capacity ^{1,2} Rated (Min. - Max.)		kW		10.0 (3.1-10.9)	12.5 (5.5-13.9)	14.0 (5.4-15.1)
			Btu/h	34,100 (10,600-37,200)	42,700 (18,800-47,400)	47,800 (18,400-51,500)
Power consumption	Cooling ¹	kW		3.15	3.93	4.95
COP				3.17	3.18	2.83
Indoor unit	Colour			White		
	Airflow rate (H / M / L)		m³/min	28 / 24 / 20		31 / 27 / 23
			cfm	988 / 847 / 706		1,094 / 953 / 812
	Sound pressure level ³ (H / M / L)		dB(A)	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38
	Dimensions (H×W×D)		mm	235×1,590×690		
	Machine weight		kg	38		
Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white		
	Coil	Type		Micro channel		
		Compressor	Type		Hermetically sealed swing type	
			Motor output	kW	1.60	2.40
	Refrigerant charge (R32)		kg	1.0 (Charged for 15 m)	1.35 (Charged for 15 m)	
	Sound pressure level ³	Cooling	dB(A)	52	54	56
	Dimensions (H×W×D)		mm	695×930×350	990×940×320	
	Machine weight		kg	46	62	
Certified operation range		°CDB	21 to 46			
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 ⁴	mm	Connectable hose I.D. ø16	Connectable hose I.D. ø25	
Max. interunit piping length		m	50 (Equivalent length 70)			
Max. installation height difference		m	30			
Heat insulation			Both liquid and gas piping			

Note :
¹ 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).
² Capacities are net, including a deduction for cooling for indoor fan motor heat.
³ 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.
⁴ Drain socket is necessary.

Indoor unit
CEILING MOUNTED CASSETTE TYPE <Round Flow> with Streamer
CEILING MOUNTED CASSETTE TYPE <Round Flow>



RZF series

RZFC series

No.	Category	Name of option			Kit name				Required accessory-1	Required accessory-2	Note
					with Streamer		NEW FCF 50/60/71 DVMG	NEW FCF 100/125 DVMG			
1	Panel	Decoration panel	Standard panel	Fresh white	BYCQ125EAF						
2				Black	BYCQ125EAK						
3			Standard panel with Sensing	Fresh white	BYCQ125EEF						
4				Black	BYCQ125EEK						
5			Designer panel	Fresh white	BYCQ125EAPF						*1,14
6			Auto grille panel	Fresh white	BYCQ125EBSF						*2,3
7		Sealing material of air discharge outlet	For usage of 3, 4-way flow		—	KDBH551C160					*4
8			For usage of 2-way flow		—	KDBH552C160					*4
9		Panel spacer			KDB55J160F						
10	IAQ	Fresh air intake kit	Chamber type	Without T-duct joint	KDDP55C160				KDDP55C160-1	KDDP55C160-2	*4,5,6,10
11				With T-duct joint	KDDP55C160K				KDDP55C160-1	KDDP55C160K2	*4,5,6,10
12			Direct installation type	KDDP55X160A						*7	
13		Branch duct chamber		—		KDJP55C80	KDJP55C160				*4
14		Filter chamber		KDDFP55C160							
15		UV Streamer air purifier unit (UV-chamber)			—		BAEF125AW1		—		*13,14
16		Replacement pleated filter for UV streamer air purifier unit (MERV13 filter)			—		BAF55A125		—	BAEF125AW1	*13,14
17	Filter	Ultra long-life filter unit (Including filter chamber)			KAF555D160						*12
18		Replacement ultra long-life filter			KAF550D160				KDDFP55C160		*12
19		Replacement long-life filter			KAF5511D160						
20		Replacement long-life filter	Auto grille panel		KAF5512D160						
21		High-efficiency filter unit (Including filter chamber)	Colorimetric method 65%		KAF556D80	KAF556D160	KAF556D80	KAF556D160			*12,14
22			Colorimetric method 90%		KAF557D80	KAF557D160	KAF557D80	KAF557D160			*12,14
23		Replacement high-efficiency filter	Colorimetric method 65%		KAF552D80	KAF552D160	KAF552D80	KAF552D160		KDDFP55C160	*12,14
24			Colorimetric method 90%		KAF553D80	KAF553D160	KAF553D80	KAF553D160		KDDFP55C160	*12,14
25		High performance prefilter (MERV8 filter)			BAF552A160						*12
26	Humidity	Insulation kit for high humidity			KDTP55K80B	KDTP55K160B	KDTP55K80B	KDTP55K160B			*8,15
27	Remote controller	Stylish remote controller	Wired type	White	BRC1H63W						*11
28				Black	BRC1H63K						*11
29		Navigation remote controller	Wired type		—		BRC1E63				*11
30		Simplified remote controller	Wired type		—		BRC2E61				*11
31		Remote controller	Wireless type	Cooling only	Fresh white	BRC7M635F					
32					Black	BRC7M635K					
33	Control	Unified ON/OFF controller			DCS301BA61						*9
34		Central remote controller			DCS302CA61						*9
35		intelligent touch controller			DCS601C51						*9
36		Schedule timer			DST301BA61						*9
37		NEW Simple touch controller			DTP401A61				DTP401A66		*9
38		NEW Simple touch controller			AC adaptor	For Singapore		DTP401A66			
39	Equipment	Adaptor for wiring			BRP11B62				KRP1H98A		
40		Wiring adaptor for electrical appendices			KRP4AA53				KRP1H98A		
41		Digital input adaptor			BRP7A52				KRP1H98A		
42		Installation box for adapter PCB			KRP1H98A						
43	Remote controller Sensor	Remote sensor (for indoor temperature)			BRCS01A-5						
44	Wireless	Wireless LAN connecting adaptor			BRP072C42-1			—			

Note:

*1. When installing designer panel, body height (ceiling required dimension) is 42 mm higher than standard panel. Designer panel cannot operate 2 and 3-way flow.

*2. When installing auto grille panel, body height (ceiling required dimension) is 55 mm higher than standard panel.

*3. A dedicated remote controller for the auto grille panel is included for lowering and raising the suction grille.

*4. Circulation airflow is not available with this option.

*5. When installing a fresh air intake kit (chamber type), two air outlet corners are closed.

*6. 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.

*7. The volume of fresh air for direct installation type is approximately 1% of the indoor unit airflow. The chamder type is recommended when more fresh air is necessary.

*8. Please use for cases when the temperature / humidity inside ceiling may exceed 30°C, 80%RH.

*9. The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.

*10. Please order using the names of both components instead of set name.

*11. Wiring for wired remote controller should be obtained locally.

*12. This option cannot apply with Designer panel and Auto grille panel.

*13. This option cannot apply with Designer panel, Standard panel (Black), Standard panel with Sensing (Black), Sealing material of air discharge outlet, Insulation kit for high humidity, and kit / filters that require a chamber (Fresh air intake kit Chamber type, High-efficiency filter unit, Ultra long-life filter unit, Branch duct chamber).

*14. This option cannot apply when 2 and 3-way flow by using Sealing material of air discharge outlet.

*15. For a panel and an option with a chamber, such as a Designer panel, Auto grille panel, UV Streamer air purifier unit, Ultra long-life filter unit, High-efficiency filter unit, and Fresh air intake kit chamber type, it is necessary to add insulation that is either glass wool or polyethylene foam with a thickness of 10 mm or more to the chamber area under conditions where an Insulation kit for high humidity is used.

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		Designer panel	Auto grille panel	Panel spacer ¹	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	UV Streamer air purifier unit	Streamer filter clean unit (FCTF/FCTA series)	High-efficiency filter unit ²	Ultra long-life filter unit ²
Independently installable optional parts											
Panel/grille related	Designer panel		X	O	O	O	O ⁴	X	O	X	X
	Auto grille panel	X		O	O	O	O ⁴	O	O	X	X
	Panel spacer ¹	O	O		O	O	X	O	O	O	O
Auxillary function related	Fresh air intake kit (Chamber type) ^{1,2}	O	O	O		X	O ⁴	X	O	O	O
	Fresh air intake kit (Direct installation type)	O	O	O	X		O	O	O	O	O
	Insulation kit for high humidity	O ⁴	O ⁴	X	O ⁴	O		O ⁴	O	O ⁴	O ⁴
IEQ related	UV Streamer air purifier unit	X	O	O	X	O	O ⁴		X	X	X
	Streamer filter clean unit (FCTF/FCTA series)	O	O	O	O	O	O	X		O	O
Filter related	High-efficiency filter unit ²	X	X	O	O	O	O ⁴	X	O		X
	Ultra long-life filter unit ²	X	X	O	O	O	O ⁴	X	O	X	

3-way flow•2-way flow ⁶

Optional accessory parts		Designer panel	Auto grille panel	Panel spacer ^{1,3}	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	UV Streamer air purifier unit	Streamer filter clean unit (FCTF/FCTA series)	High-efficiency filter unit ²	Ultra long-life filter unit ²
Independently installable optional parts											
Panel/grille related	Auto grille panel	X		Δ	O	O	O ⁴	X	X	X	X
	Panel spacer ^{1,3}	X	Δ		Δ	Δ	X	X	X	X	Δ
Auxillary function related	Fresh air intake kit (Chamber type) ^{1,2}	X	O	Δ		X	X	X	X	X	O
	Fresh air intake kit (Direct installation type)	X	O	Δ	X		O	X	X	X	O
	Insulation kit for high humidity	X	O ⁴	X	X	O		X	X	X	X
Filter related	Ultra long-life filter unit ²	X	X	Δ	O	O	X	X	X	X	

Branch duct connection

Optional accessory parts		Designer panel	Auto grille panel	Panel spacer ¹	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	UV Streamer air purifier unit	Streamer filter clean unit (FCTF/FCTA series)	High-efficiency filter unit ²	Ultra long-life filter unit ²
Independently installable optional parts											
Branch duct chamber ¹	1-way branch / unit 3-way flow	O	O	O	O	O ⁵	X	X	X	X	O
	2-way branch / unit 2-way flow	X	O	X	O	O ⁵	X	X	X	X	O
	1-way branch / unit 2-way flow	X	O	X	O	O ⁵	X	X	X	X	O

Note:

1. In some cases, depending on how the unit is embedded in the ceiling, use of Branch ducts and Fresh air intake kit 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 duct chamber and Fresh air intake kit (Chamber type) 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. For a panel and an option with a chamber, such as a Designer panel, Auto grille panel, UV Streamer air purifier unit, Ultra long-life filter unit, High-efficiency filter unit, and Fresh air intake kit chamber type, it is necessary to add insulation that is either glass wool or polyethylene foam with a thickness of 10 mm or more to the chamber area under conditions where an Insulation kit for high humidity is used.

5. It is not possible to install a Branch duct on the same side to which a Fresh air intake kit (Direct installation type) is installed.

6. When 3-way or 2-way flow is selected, circulation airflow is not available.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE



RZF series
RZFC series

No.	Category	Name of option			Kit name			Required accessory-1	Note
					NEW FBFC 50/60 EVMG	FBFC 71 DVMG	FBFC 100/125/140 DVMG		
1	Panel	Service panel	Fresh white		KTBJ25K56F	KTBJ25K80F	KTBJ25K160F		
2	Filter	Long-life filter			KAF631C56	KAF631C80	KAF631C160		*1
3		High-efficiency filter	65%		KAF632C56	KAF632C80	KAF632C160		*1
4			90%		KAF633C56	KAF633C80	KAF633C160		*1
5		Filter chamber (for rear suction)			KDDFP63B56	KDDFP63B80	KDDFP63B160		*1
6	Airflow	Air discharge adaptor			KDAP25A56A	KDAP25A71A	KDAP25A140A		
7		Shield plate for side plate			KDBD63A160				
8	Remote controller	Stylish remote controller	Wired type	White	BRC1H63W				*2
9				Black	BRC1H63K				*2
10		Navigation remote controller	Wired type		BRC1E63				*2
11		Simplified remote controller	Wired type		BRC2E61				*2
12		Remote controller	Wireless type	Cooling only	BRC4C66				
13	Control	Central remote controller			DCS302CA61				*6
14		Unified ON/OFF controller			DCS301BA61				*6
15		Schedule timer			DST301BA61				*6
16		intelligent touch controller			DCS601C51				*6
17		NEW Simple touch controller			DTP401A61			DTP401A66	*6
18		NEW Simple touch controller			AC adaptor	For Singapore	DTP401A66		
19	Equipment	Adaptor for wiring			BRP11B62			KRP4A98	*3
20		Wiring adaptor for electrical appendices(2)			KRP4AA51			KRP4A98	*3
21		Digital input adaptor			BRP7A51			KRP4A98	*3
22		Mounting plate for adaptor PCB			KRP4A98				*4,5
23	Remote controller Sensor	Remote sensor (for indoor temperature)			BRCS01A-4				
24	Drain pump	Drain pump kit			BDU24AMD2				

Note:

*1. If installing high efficiency filter and long-life filter to the unit, filter chamber is required.

*2. Wiring for wired remote controller should be obtained locally.

*3. Mounting plate (KRP4A98) is necessary .

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

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

*6. The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.

CEILING SUSPENDED TYPE



RZF series
RZFC series

No.	Category	Name of option			Kit name				Required accessory-1	Required accessory-2	Note
					NEW FHA 50 DVMG	NEW FHA 60/71 DVMG	NEW FHA 100/125/140 DVMG	FHFC 100/125/140 DV1G			
1	Filter	Replacement long-life filter	Resin net	KAF501B56	KAF501B80	KAF501B160					
2	Drain pump	Drain pump kit			KDU50R160						
3		L-type piping kit (for upward direction)			KHFP5N160						
4	IAQ	Streamer filter clean unit			BAPWS5A61		—	BERPW50A61	BRC1H63W/K	*4,5	
5		Mounting kit for streamer option			BERPW50A61		—				
6	Remote controller	Stylish remote controller	Wired type	White	BRC1H63W						*1
7			Black	BRC1H63K						*1	
8		Navigation remote controller	Wired type	BRC1E63						*1	
9		Simplified remote controller	Wired type	BRC2E61						*1	
10		Remote controller	Wireless type	Cooling only	BRC7M56		BRC7GA56				
11	Control	Central remote controller			DCS302CA61						*2
12		Unified ON/OFF controller			DCS301BA61						*2
13		Schedule timer			DST301BA61						*2
14		intelligent touch controller			DCS601C51						*2
15		NEW Simple touch controller			DTP401A61				DTP401A66		*2
16		NEW Simple touch controller	AC adaptor	For Singapore	DTP401A66						
17	Equipment	Adaptor for wiring			BRP11B61-1						
18		Wiring adaptor for electrical appendices			KRP4AA52				KRP1D93A		*3
19		Digital input adaptor			BRP7A52				KRP1D93A		*3
20		Adaptor box mounting plate			KKSAP50A56	—					
21		Installation box for adaptor PCB			KRP1D93A						
22		Electrical box with earth terminal (3 blocks)			KJB311AA						
23		Electrical box with earth terminal (2 blocks)			KJB212AA						
24	Remote controller Sensor	Remote sensor (for indoor temperature)			BRCS01A-6		BRCS01A-4				
25	Wireless	Wireless LAN connecting adaptor			BRP072C42-1		—				

Note :

*1. Wiring for wired remote controller should be obtained locally.

*2. The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.

*3. Installation box for adaptor PCB (KRP1D93A) is necessary.

*4. This option is available only when a Stylish remote controller (BRC1H63W(K)) is connected.

*5. Mounting kit for Streamer option (BERPW50A61) is necessary.

Outdoor unit

1 Phase

RZF series

No.	Name of option	1 Phase	Kit name		
			NEW RZF50/60/71DVMG NEW RZF50/60/71DAVMG	NEW RZF100DVMG NEW RZF100DAVMG	NEW RZF125DVMG NEW RZF125/140DAVMG
1	Central drain plug		KKP014A4	KKP937A4	KKPJ5H280
2	Fixture for preventing overturning		—		
3	Wire fixture for preventing overturning		—		
4	Air direction adjustment grille		KPW937F4	KPW5G112	

3 Phase

RZFC series

No.	Name of option	3 Phase	Kit name	
			RZFC100DV1G	RZFC125/140DV1G
1	Central drain plug		KKP937A4	KKPJ5H280
2	Fixture for preventing overturning		—	KKTP5B112
3	Wire fixture for preventing overturning		—	K-KYZP15C
4	Air direction adjustment grille		KPW5G112	

Smart Control for SkyAir

Control all air conditioners in and out of the premises with Daikin Smart Control by adding adaptors (refer to page 66 for more information).

Do away with the common remote controller. Conveniently control at ease with personal smart devices.



Daikin Mobile Controller Application
FREE DOWNLOAD




Reiri for Home / Office Application
FREE DOWNLOAD

- 

SkyAir units can be controlled and monitored remotely from inside and outside of the premise
- 

Weekly scheduling to suit the office needs (up to 6 actions per day)
- 

Malfunction alerts and error code tracing are reported automatically to the user for prompt servicing
- 

Covid-19 measure where touchpoints are reduced for controlling SkyAir unit using personal smart device instead of a common remote controller



Specific accessories required depending on Wireless LAN connecting adaptor (D'Mobile card) or Smart control selection

	Wireless LAN connecting adaptor (D' Mobile)	Smart control Reiri for office	
	for SkyAir	Adaptor for Reiri	Controller
	BRP072C42-1	DCPA01	DCPF01/DCPF04/ DCPF05
Number of indoor unit connection	1	64	64
CEILING MOUNTED CASSETTE TYPE <Round Flow> with Streamer FCTF50-125BVMG  	●	●	●
CEILING MOUNTED CASSETTE TYPE <Round Flow> FCF50-125DVMG  	●	●	●
CEILING MOUNTED CASSETTE TYPE <Round Flow> FCFC100-140DVMG  		●	●
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE FBFC50/60EVMG FBFC71-140DVMG 		●	●
CEILING SUSPENDED TYPE FHA50-140DVMG 	●	●	●
CEILING SUSPENDED TYPE FHFC100-140DV1G 		●	●

● Specific accessories required depending on D'Mobile or Smart Control selection. Please contact Daikin Singapore for more details.

Note:
 *In the event of a combination of various type of indoor unit, please refer to Daikin sales personnel for more details.
 *If SkyAir is paired with Smart Control Hub, a Centralised controller (DCS302CA61), Unified ON/OFF controller (DCS301BA61) is required for Indoor Unit addressing purpose.

Daikin mobile controller (free application)

Wireless LAN connecting adaptor: BRP072C42-1(option)

Control all air conditioners in and out the premises with Daikin Smart Control by simply adding Wireless LAN connecting adaptor (D'Mobile Card) to SkyAir units

Do away with the common remote controller.
Conveniently control at ease with personal smart devices.

Benefits



Conveniently control and monitor SkyAir units remotely from inside and outside of the premise.



Malfunction alerts and error code tracing are reported automatically to the user for prompt servicing.



Weekly scheduling to suit the office needs (up to 6 actions per day).

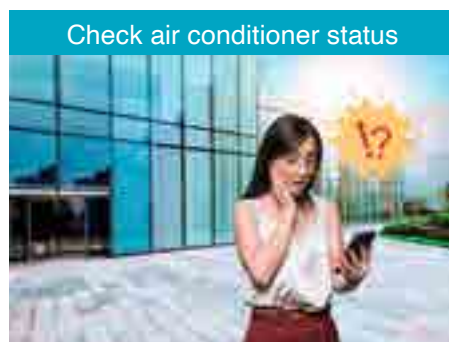


Covid-19 measure where touchpoints are reduced for controlling SkyAir unit using personal smart device instead of a common remote controller.

Be in complete control of air conditioner



Use personal smart phone or devices to control the air conditioners.



Be worry-free and check the air conditioner ON/OFF status anywhere.



Use smart device to set the air conditioner temperatures remotely. In addition, Daikin Mobile Controller App allows the user to receive malfunction/error code automatically.

What you need to prepare



Wireless LAN connecting adaptor:
BRP072C42-1 (option)



Daikin Mobile Controller Application
Free download



Wireless router

*Android is a trademark of Google Inc. ** iPhone is a trademark of Apple Inc.



Improve control with smart control solution

Daikin Smart Control Solution improves the control and monitoring of SkyAir units from smart phone or tablet with automatic notifications on malfunction error code, energy consumption, multi tenant billing system, and many more.

Features



Smart solution control

- Control and customise smart devices and electrical appliances conveniently.
- Allows for greater control and applicable for multi site monitor and control according to buildings' needs.



Energy consumption monitoring and billing system*

- Take control of the electrical costs by monitoring usage.

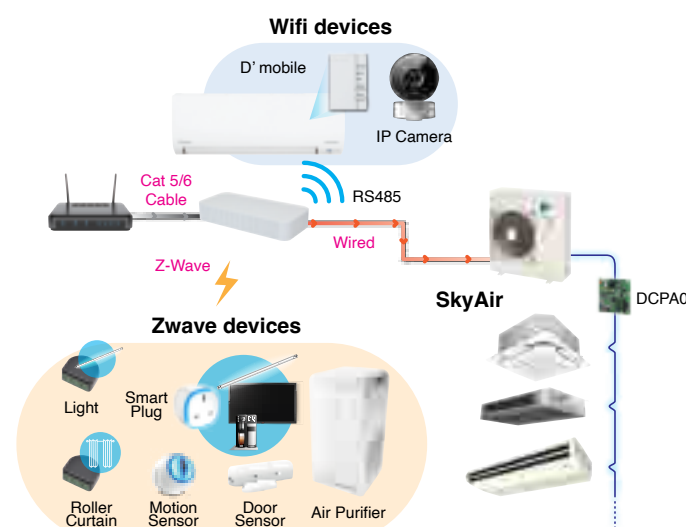
*With the use of an Energy Clamp/kWh Metre



Multi tenant/ Multi site monitoring

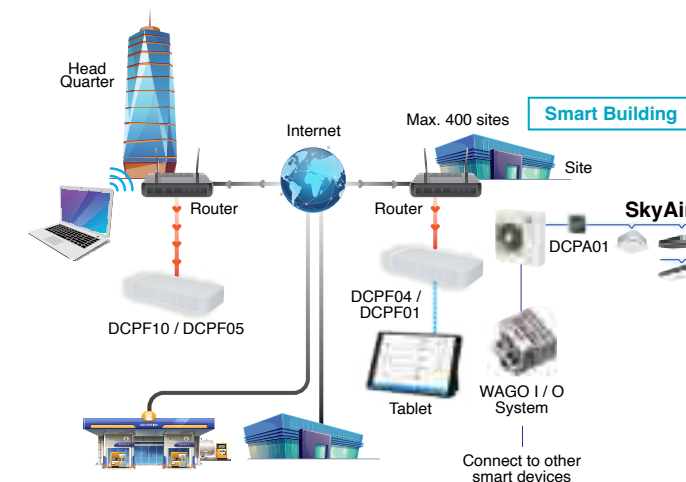
- Applicable for multi outlet monitoring and control.

Office solutions: Control and monitor



For other smart devices and solution, please visit www.daikin.com.sg for more information.

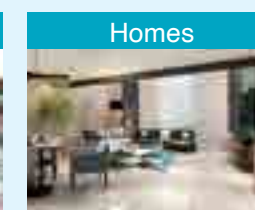
Multi site monitoring system



Benefits

- Remote multi-site control for all sites from headquarters
- Reduce manpower to manage all outlets
- Reduce any unnecessary energy consumption

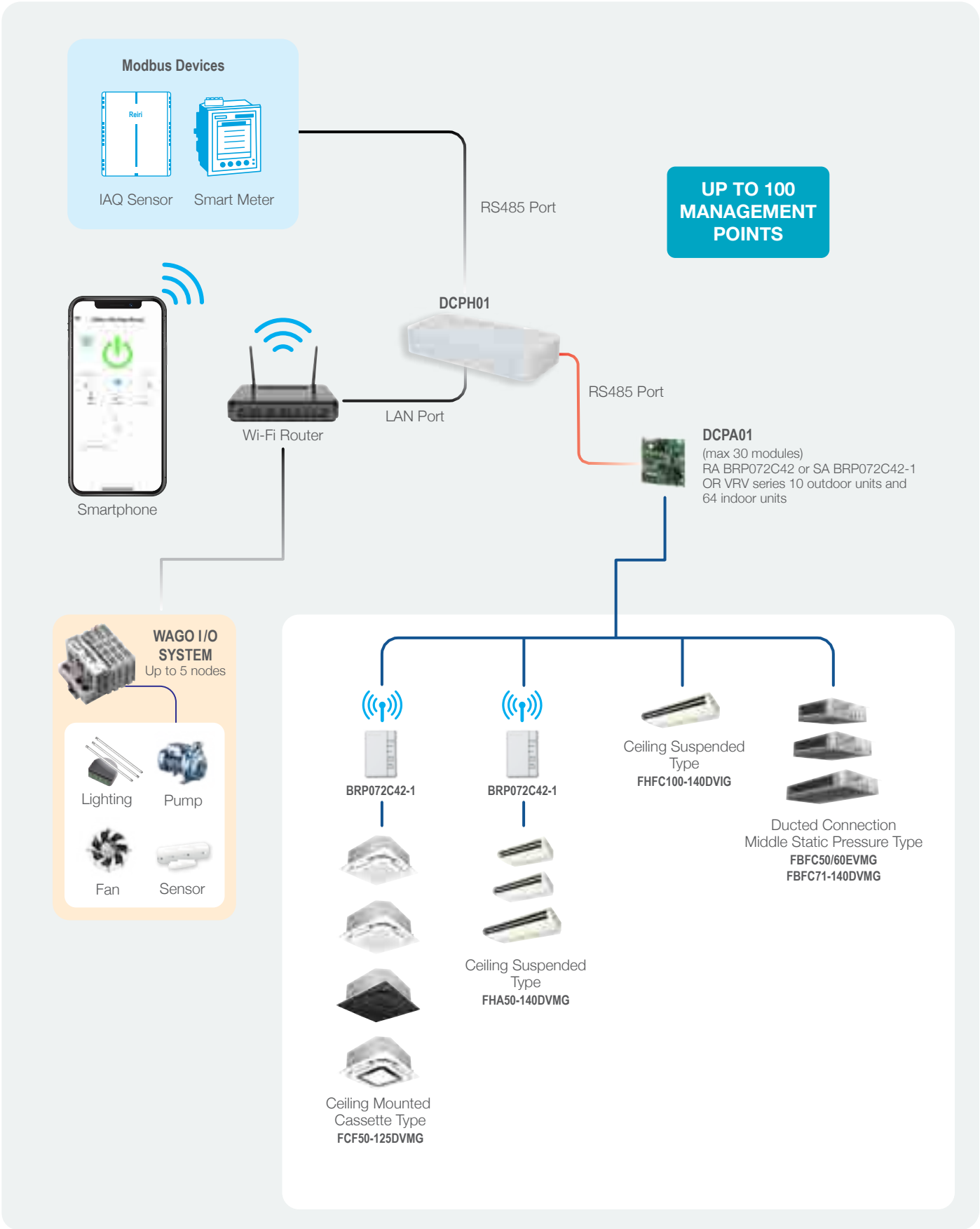
Applications



Daikin

Reiri for Home

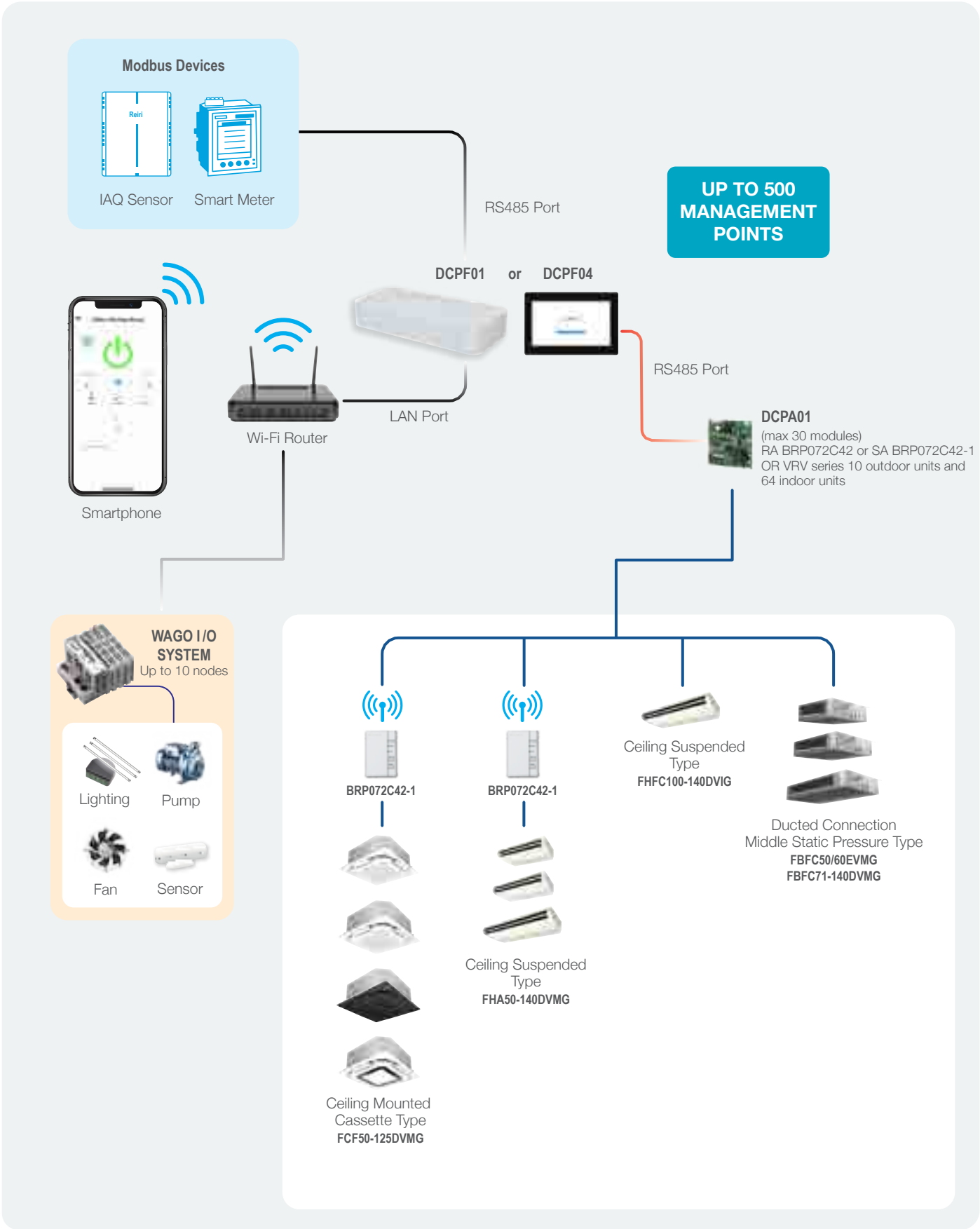
Reiri DCPH01



Daikin

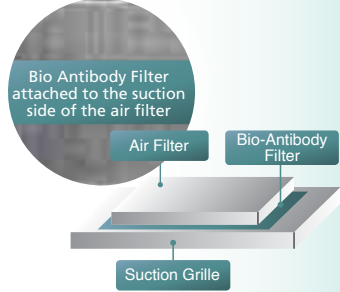
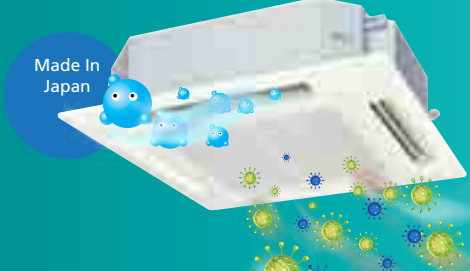
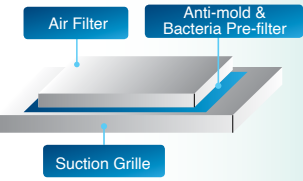
Reiri for Office

Reiri DCPF01 / DCPF04



Indoor Environmental Quality (IEQ)

Perfecting the Air is a top priority. At Daikin, there are a variety of Indoor Environmental Quality (IEQ) solutions that improves the air in premises. This keeps the indoor air clean and disinfect.

IAQ SOLUTIONS	DESCRIPTION	FEATURES
ANTIMICROBIAL TREATMENT*  Coated in Daikin Singapore!	This treatment contains 3 main additives (Titanium, Dioxide, Silver Ions, Quaternary Ammonium) to maximize the Antimicrobial and self-cleaning properties on the cooling coil surface that is coated with it. This reduces chances of fouling on the cooling coil, improve Indoor Air Quality, and lastly enhances the maintainability and lifespan. Applicable models: All FCUs	● Anti-Fungal / Anti-Bacteria ● Ozone Free ● Superior Corrosion Protection ● Superior Hydrophobic ● Water Based ● Non-Flammable
BIO-ANTIBODY FILTER*  Made In Japan	Installation Method  ● Replacement is advisable for every 3 months ● 2 sheets of filter per package ● Applicable models: All FCUs	● Suppress virus effectively within one minute. ● No chemical substance/method is used ● Easy to install
Anti-Mold & Bacteria Pre-filter  Made In Japan	Installation Method  ● Can be washed and reused for up to 6 times ● 1 sheet or 1 roll of filter per package, depending on usage	● Stop growth of mold and bacteria ● Eliminate the smell and mildew stain ● Washable and reusable

High performance pre-filter

DAIKIN MERV 8 AIR FILTER

BAF552A160 For Sensing flow / Round flow

Captures 97% of 1.0 - 3.0 μm particles*
Captures 99% of 3.0 - 10 μm particles*
when air passes through filter 10 times
* Please refer to Filter Efficiency for details.

Features and Benefits

Pure Air

✓ MERV 8 Rating

This filter is a high performance prefilter that has achieved MERV 8 rating.

✓ PM2.5 Filtration

This filter can capture 97% of 1.0-3.0 μm particles and 99% of 3.0-10 μm particles when air passes through the filter 10 times.

✓ Filter Exchange Twice a Year

Recommended to replace the filter twice a year to maintain the filter's high performance.

Filter Efficiency

Daikin in-house test results have proven that this filter can meet ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) standards MERV 8.

When air conditioning system operates, the air in the room will circulate and pass through the high performance prefilter continuously. As a result, more harmful substances in the air can be captured.

For example, more than 97% of 1.0 - 3.0 μm sized substances, including PM2.5, can be collected by circulating air through the filter 10 times.

Specifications

Model Name		BAF552A160		
Brand		DAIKIN		
Performance		MERV 8		
Dimensions	mm	526 x 523 x 35		
Airflow rate	m ³ /min	13.0	22.9	37.0
Initial Pressure Drop *2	Pa	18.1	35.8	81.4
Weight	g	520		
Lifetime *3		6 months (1,250 hours)		
Reuse		Non-washable		

Applicable with: **SkyAir**

Indoor Unit		Panel	
Ceiling Mounted Cassette Type <Round Flow> (R32)	FCF series* FCFC series* FCTF series*	Standard panel	BYCQ125EAF(K)
		Standard panel with sensing	BYCQ125EEF(K)

* Cannot be used for Designer panel (BYCQ125EAPF) and auto grille panel (BYCQ125EBSF)

Compatible with:

VRV SkyAir

Providing up to 6 months of lifetime
Size 526 x 523 x 35 (mm)

Simple Step

✓ Chamberless Filter

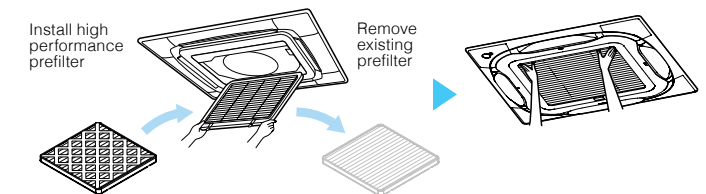
Additional parts and difficult installation works are unnecessary. Just replace the existing prefilter.

✓ Retrofit to Existing Indoor Unit

Attachable to your current round flow cassette for IAQ improvement.

✓ Easy Replacement

The prefilter can be easily replaced by removing the suction grille of the decoration panel*.



* The filter should be fixed to the air conditioner with attached components, please consult your dealer when installing or replacing the filter.

High performance prefilter
BAF552A160

Round flow cassette (including with Sensing Type)

Note

1. It is necessary to set to high ceiling mode on site to prevent a decrease in air volume after installing the filter. The setting number differs according to each model. Please refer to the installation manual.

*2. This result is based on the test of the filter only. The results may be different in the actual operating environment where the filter is installed in the indoor unit.

*3. Filter lifetime may vary depending on the condition of the operating environment. Certain instances such as high traffic areas, pets or smokers in a residence, or other situations may require more frequent changes.



Perfecting the Air

For a Healthier, Greener & Smarter Tomorrow



IEQ

Perfecting
Indoor Environmental
Quality



ECO

Perfecting
Sustainability



IoT

Perfecting
Smart Solutions

Contact Details

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Main Office/Sales Operating Hours: 8.30am - 6pm

☎ 65 6583 8888 (Main Office)

✉ sales@daikin.com.sg

Call Centre Hotline Operating Hours: 9.00am - 5pm

☎ 65 6311 8686

☎ 65 9323 8686 (Whatsapp Message Only)

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Smart Home/Office Solution

✉ service@daikin.com.sg

IAQ Assessment

✉ IAQ@daikin.com.sg

Energy Assessment

✉ energy@daikin.com.sg

Building Management System

✉ bms@daikin.com.sg

Accessories & Installation Materials Operating Hours: 9am - 5pm

☎ 6311 8687

✉ accessories@daikin.com.sg

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The specifications, designs and other content included in this brochure are current as of September 2025 and subject to change without notice.

SGPCS2502