DAIKIN

Perfecting the Air

STREAMER

MERV8 Filter

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.

## Contents


**R-32 Refrigeration** P.6-7

**Line Up** P.8-9

**Features of Daikin SkyAir** P.10-22
- Energy Saving P.10
- Technology to Improve Energy Efficiency P.11
- Quick Cooling P.12
- Durability P.13
- Convenient Functions P.14
- Quiet Operation P.15
- Design Flexibility P.16
- Reuse of Existing Piping P.17
- UV Streamer Air Purifier Unit P.18-19
- Streamer Filter Clean Function P.20-21
- Smart Airflow Control P.22

**Indoor Unit** P.24-39
- Ceiling Mounted Cassette Type P.24-35
- Duct Connection Middle Static Pressure Type P.36-37
- Ceiling Suspended Type P.38-39

**Outdoor Unit** P.40-41

**Remote Controller** P.42-46
- Stylish Remote Controller P.42
- Navigation Remote Controller P.43
- Simplified Remote Controller P.43
- Wireless Remote controller P.44
- Simple Touch Controller P.45
- System variation to control multiple indoor units P.46

**Functions** P.48-53
- RZF series P.48-49
- RZFC series P.50-51
- Description of Functions P.52-53

**Specifications** P.54-57
- RZF series P.54-55
- RZFC series P.56-57

**Options** P.58-69
- Indoor unit P.58-61
- Outdoor unit P.61
- Smart Control Solution P.62-67
- Indoor Environmental Quality (IEQ) P.68
- DAIKIN Air Filter (MERV 8) P.69

# 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.

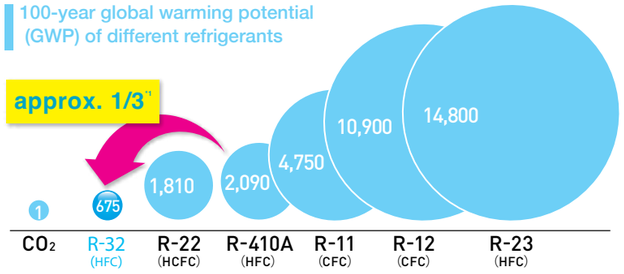
# R-32

## 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.

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




## Environmental Impact of Air Conditioner Refrigerants Trends.

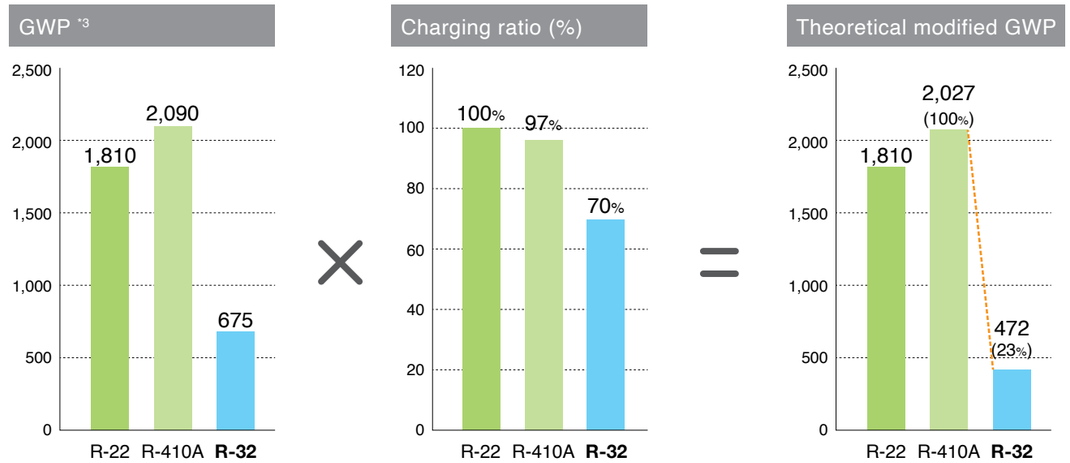
| | Ozone depletion potential (ODP) | 100 year global warming potential of different refrigerants*2 |
|---|---|---|
| R-12 (CFC) | 1.0 | 10,900 |
| R-22 (HCFC) | 0.055 | 1,810 |
| R-410A (HFC) | 0 | 2,090 |
| **R-32 (HFC)** | **0** | **675** |

*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

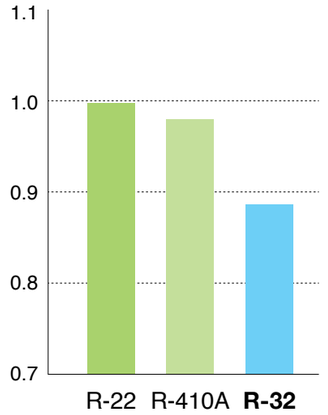



*3. GWP values are based on the Fourth Assessment Report from the Intergovernmental Panel on Climate Change (IPCC 4th AR).

## 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




*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.

# Product Lineup

Cooling only | R-32

SkyAir

| | | 50 | 60 | 71 | 100 | 125 | 140 | |
|---|---|---|---|---|---|---|---|---|
| **CEILING MOUNTED CASSETTE TYPE** 〈Round Flow〉 with Streamer (ROUND FLOW, STREAMER) | All 4 ticks | | | | | | | Page 24 |
| | Indoor unit | FCTF50BVMG | FCTF60BVMG | FCTF71BVMG | FCTF100BVMG | FCTF125BVMG | | |
| | Outdoor unit | RZF50DVMG | RZF60DVMG | RZF71DVMG | RZF100DVMG | RZF125DVMG | | |
| **CEILING MOUNTED CASSETTE TYPE** 〈Round Flow〉 (ROUND FLOW) | All 4 ticks | | | | | | | Page 24 |
| | Indoor unit | FCF50DVMG | FCF60DVMG | FCF71DVMG | FCF100DVMG / FCFC100DVMG | FCF125DVMG / FCFC125DVMG | FCFC140DVMG | |
| | Outdoor unit | RZF50DVMG | RZF60DVMG | RZF71DVMG | RZF100DVMG / RZFC100DY1G | RZF125DVMG / RZFC125DY1G | RZFC140DY1G | |
| **DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE*** | | | | | | | | Page 36 |
| | Indoor unit | FBFC50EVMG | FBFC60EVMG | FBFC71DVMG | FBFC100DVMG | FBFC125DVMG | FBFC140DVMG | |
| | Outdoor unit | RZF50DVMG | RZF60DVMG | RZF71DVMG | RZF100DVMG / RZFC100DY1G | RZF125DVMG / RZFC125DY1G | RZFC140DY1G | |
| **CEILING SUSPENDED TYPE** | All 4 ticks | | | | | | | Page 38 |
| | Indoor unit | FHA50DVMG | FHA60DVMG | FHA71DVMG | FHA100DVMG / FHFC100DV1G | FHA125DVMG / FHFC125DV1G | FHA140DVMG / FHFC140DV1G | |
| | Outdoor unit | RZF50DAVMG | RZF60DAVMG | RZF71DAVMG | RZF100DAVMG / RZFC100DY1G | RZF125DAVMG / RZFC125DY1G | RZF140DAVMG / RZFC140DY1G | |
| **OUTDOOR UNIT** | Outdoor unit | RZF50DVMG<br>RZF50DAVMG | RZF60DVMG<br>RZF60DAVMG | RZF71DVMG<br>RZF71DAVMG | RZF100DVMG<br>RZF100DAVMG / RZFC100DY1G | RZF125DVMG<br>RZF125DAVMG / RZFC125DY1G | RZF140DAVMG / RZFC140DY1G | Page 40 |
| | Power supply | 1 phase, 220-240V, 50Hz | 1 phase, 220-240V, 50Hz | 1 phase, 220-240V, 50Hz | 1 phase, 220-240V, 50Hz / 3 phase, 380-415V, 50Hz | 1 phase, 220-240V, 50Hz / 3 phase, 380-415V, 50Hz | 1 phase, 220-240V, 50Hz / 3 phase, 380-415V, 50Hz | |

*NEA Energy Label is not required.

# Features of Daikin SkyAir

SkyAir
R-32
Cooling only

## Energy Saving

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

● **All 4 ticks** for cassette models

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 Tick | 4 Tick | 4 Tick | 4 Tick | 3 Tick | 4 Tick | 3 Tick | 4 Tick | 2 Tick | 4 Tick |
| | Current models | New models | Current models | New models | Current models | New models | Current models | New models | Current models | New models |
| Indoor unit | FCTF50AVMG<br>FCF50CVMG | FCTF50BVMG<br>FCF50DVMG | FCTF60AVMG<br>FCF60CVMG | FCTF60BVMG<br>FCF60DVMG | FCTF71AVMG<br>FCF71CVMG | FCTF71BVMG<br>FCF71DVMG | FCTF100AVMG<br>FCF100CVMG | FCTF100BVMG<br>FCF100DVMG | FCTF125AVMG<br>FCF125CVMG | FCTF125BVMG<br>FCF125DVMG |
| Outdoor unit | RZF50CV1G | RZF50DVMG | RZF60CV1G | RZF60DVMG | RZF71CV1G | RZF71DVMG | RZF100CV1G | RZF100DVMG | RZF125CV1G | RZF125DVMG |

● **All 4 ticks** for ceiling suspended type models

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 Tick | 4 Tick | 2 Tick | 4 Tick | 2 Tick | 4 Tick | 2 Tick | 4 Tick | 2 Tick | 4 Tick | 2 Tick | 4 Tick | 2 Tick | 4 Tick |
| | Current models | New models | Current models | New models | Current models | New models | Current models | New models | Current models | New models | Current models | New models | Current models | New models |
| Indoor unit | FHFC 50DV1G | FHA 50DVMG | FHFC 60DV1G | FHA 60DVMG | FHFC 71DV1G | FHA 71DVMG | FHFC 100DV1G | FHA 100DVMG | FHFC 125DV1G | FHA 125DVMG | FHFC 140DV1G | FHA 140DVMG | | |
| Outdoor unit | RZFC50DV1G | RZF50DAVMG | RZFC60DV1G | RZF60DAVMG | RZFC71DV1G | RZF71DAVMG | RZFC100DV1G | RZF100DAVMG | RZFC125DV1G | RZF125DAVMG | RZFC140DV1G | RZF140DAVMG | | |



## 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.

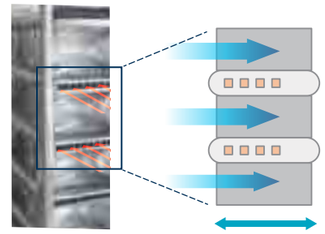
**Compressor**



current RZF125CV1G

NEW RZF125DVMG

**Micro channel heat exchanger**

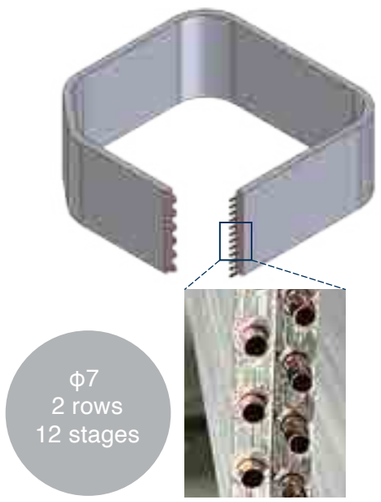


current
RZF125CV1G
Width 13.85mm

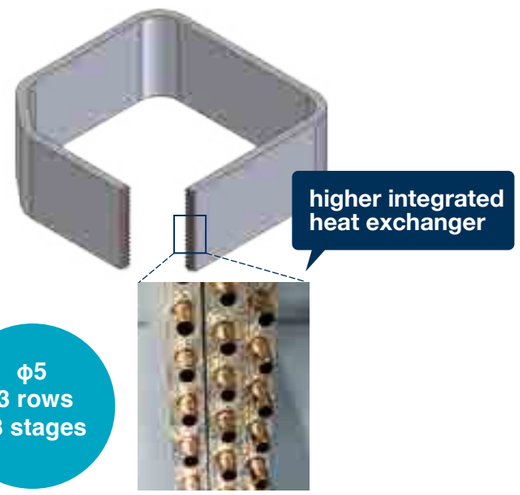
NEW
RZF125DVMG
Width 19.2 mm

### Indoor unit (Cassette type)

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




current FCTF100/125AVMG
FCF100/125CVMG



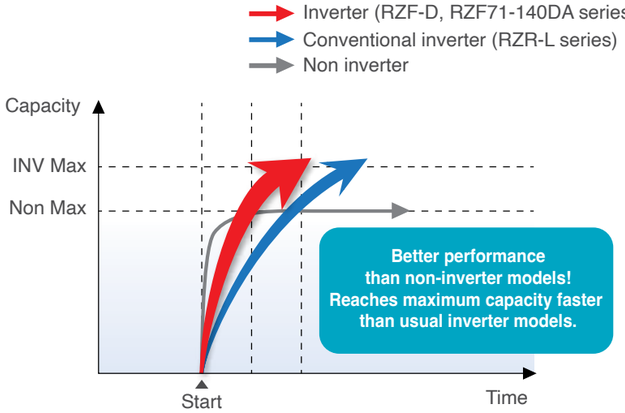

NEW FCTF100/125BVMG
FCF100/125DVMG

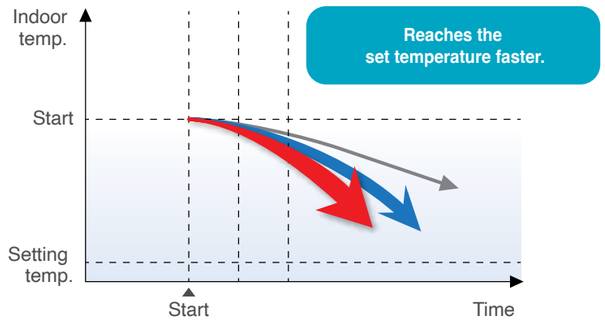
# Quick Cooling

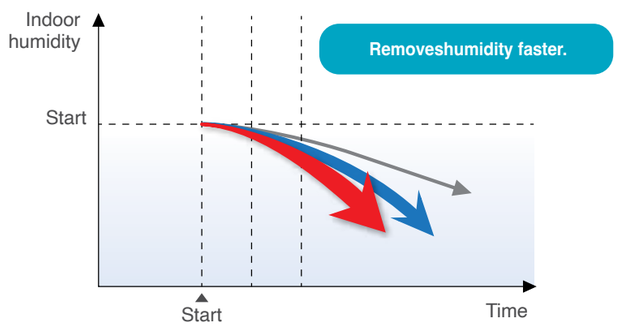
## Faster cooling and dehumidification

RZF-D series
RZF71-140DA series

New inverter control technology brings quick comfort.



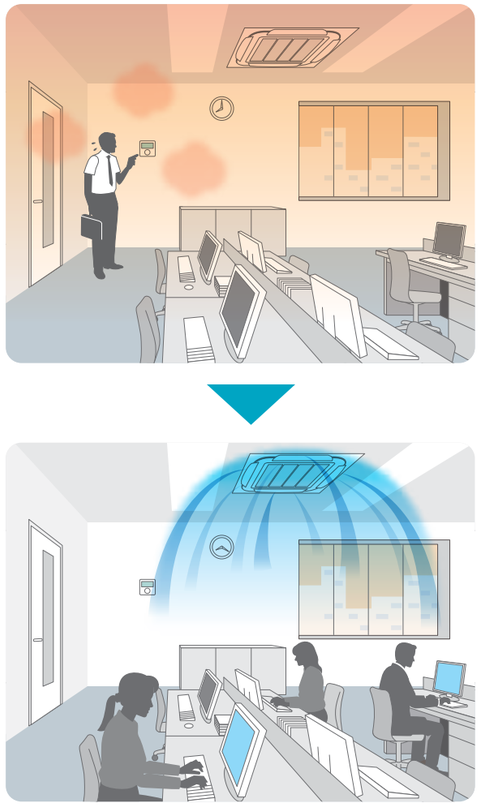




## Quick start function

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'.



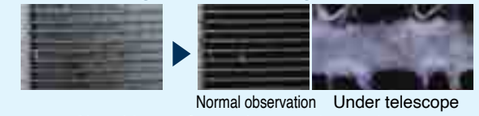
# Durability

## 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




No evidence of corrosion was observed

## NEW Enhanced protection against dissimilar metal corrosion

RZF series

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.

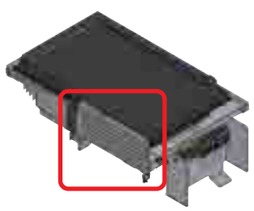
## NEW Enhanced PCB protection against gecko entering

RZF series

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.

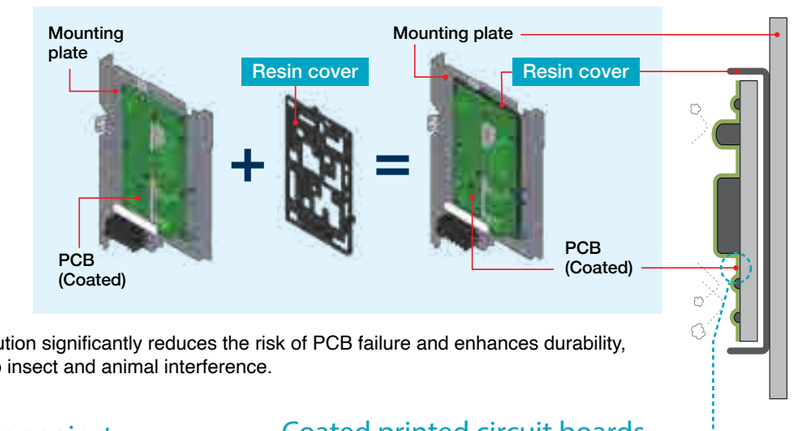
● **RZF50-71DVMG, RZF71DAVMG (Small casing)**

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

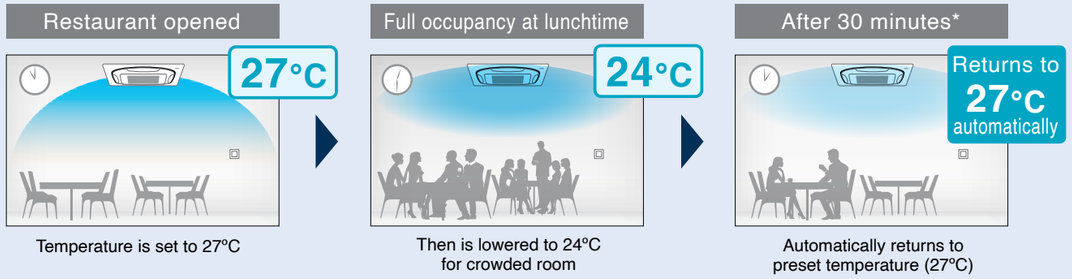
- Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time.
- Period selectable from 30, 60, 90, or 120 minutes.

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)




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

## 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.



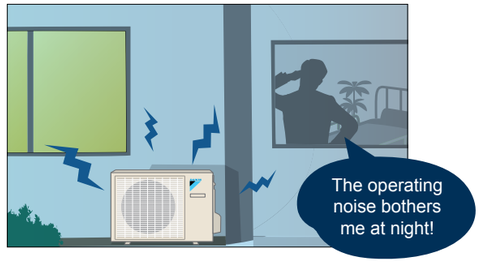
# Quiet Operation

## 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.

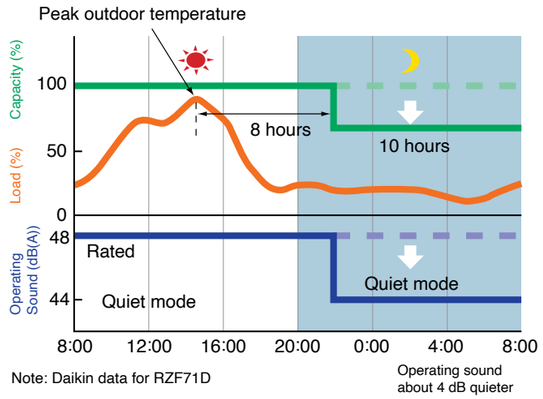
RZF-D series

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.




Note: Daikin data for RZF71D

| | | 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.

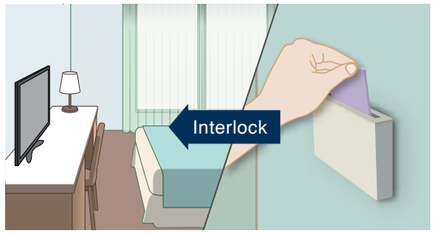
# Design Flexibility

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

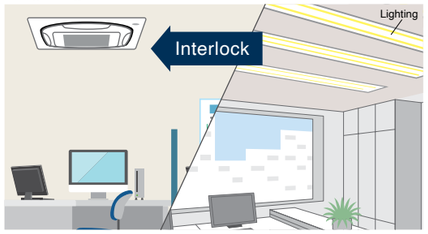
As an energy saving feature, the air conditioner can be interlocked with the key card system.
Using a 3rd-party building management system, air conditioning and lighting can be interlocked.

*Field setting with remote controller

●Hotel key card interlock



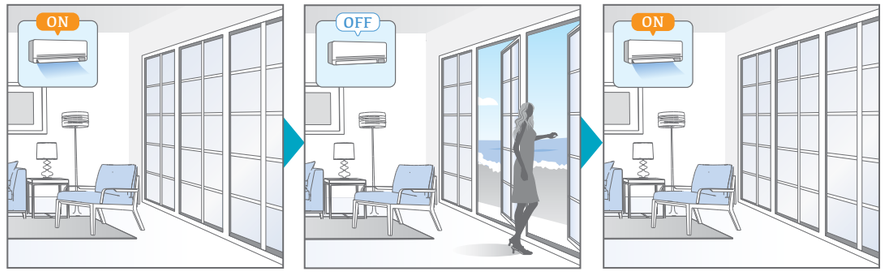

●Lighting interlock




## 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)

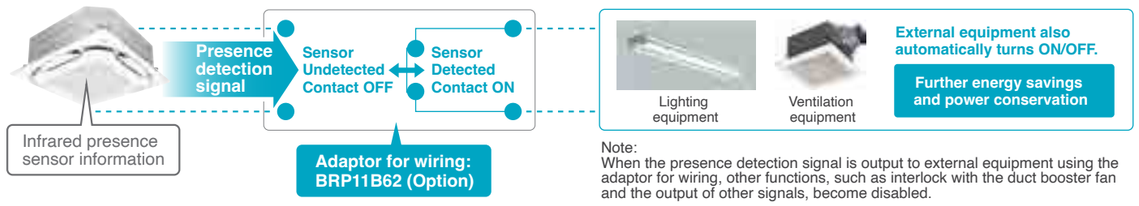
RZF series

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

*Optional adaptor for wiring: BRP11B62 is necessary.

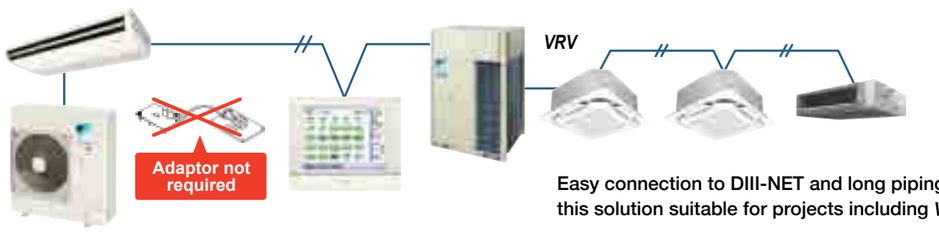
Human presence is detected by the built-in infrared presence sensor in the sensing panel, and the presence detection signal can be output and interlocked with external equipment such as ventilation and lighting equipment.

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




Note:
When the presence detection signal is output to external equipment using the adaptor for wiring, other functions, such as interlock with the duct booster fan and the output of other signals, become disabled.

## 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 interruped
- 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!**

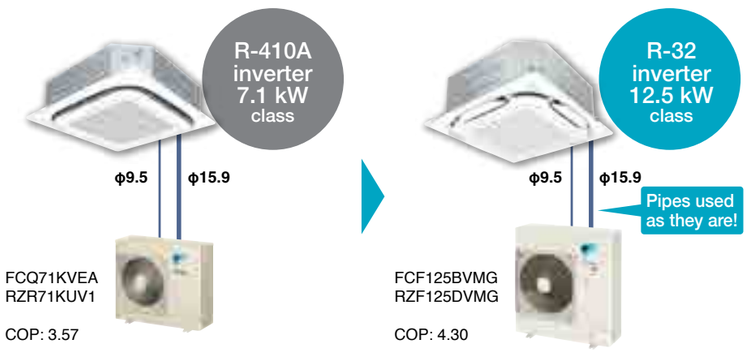
**Where feasible, we reduce work costs and time by reusing existing pipes*.**

*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.



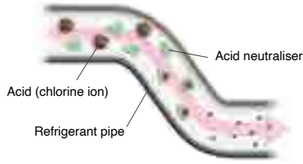

As a result, the greater capacity units ensure better performance to cope with the increasing amount of heat generated by office equipment and occupants.

## Technology

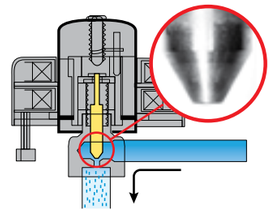
Advanced technology, including the use of corrosion resistant electronic expansion valves, acid neutralisers and improved compressor reliability, enables the re-use of existing piping* without the need of pipe flushing for a simplified replacement process.

**Stronger refrigerating machine oil**

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




**Highly corrosion resistant electronic expansion valve**



**Highly reliable compressor**

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


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

# 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

Promotion video at Daikin official YouTube site.

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.

UVC 265nm × STREAMER × Antibacterial / Antiviral filter (MERV 13 rating)

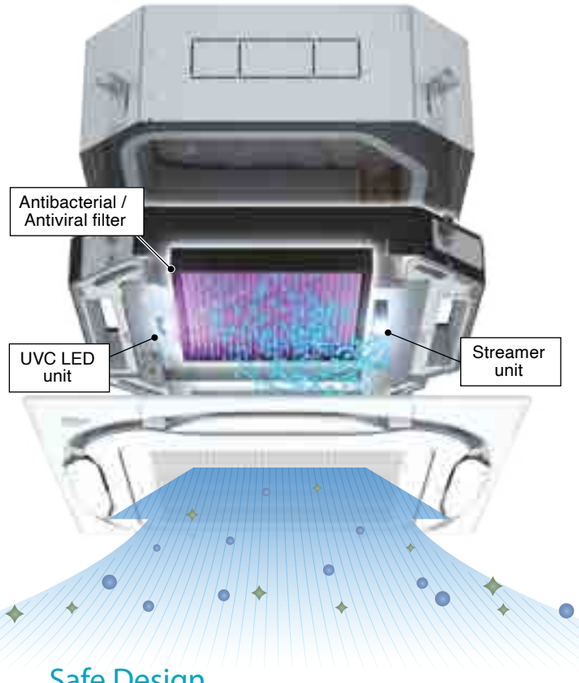
option

NEW **UV Streamer Air Purifier Unit**

BAEF125AW1

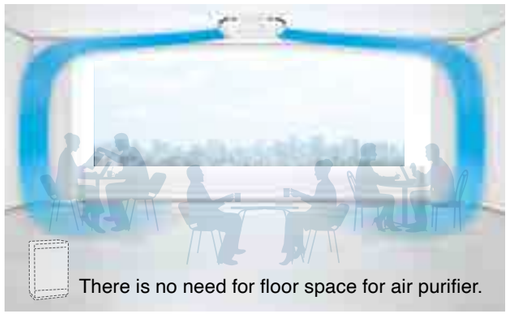
Attach to the air conditioner

**Ceiling Mounted Cassette Type** ROUND FLOW




Safe Design

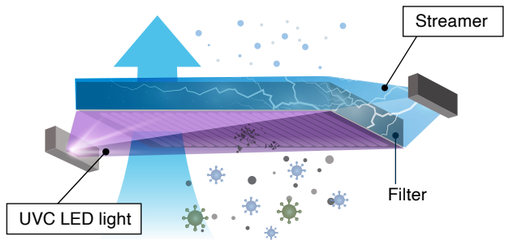
- Large airflow rate of the Round Flow Cassette delivers clean air to every corner of the room.




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

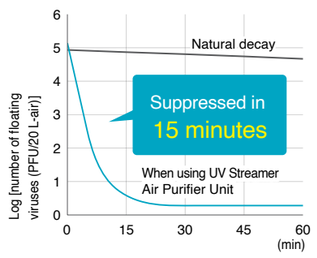
**LED lamp** shows the operation status at a glance.

### 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:

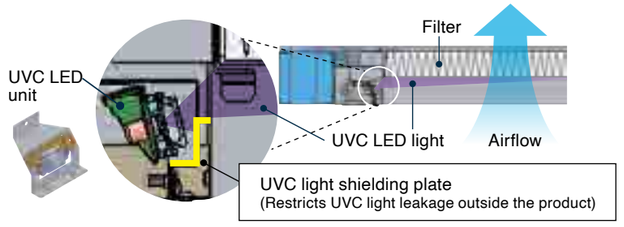
| | | *1 | *2 | *3 | *4 |
|---|---|---|---|---|---|
| Testing organization | | Japan Food Research Laboratories | Shokukanken Inc. | Kitasato Research Center for Environmental Science | Japan Food Research Laboratories |
| Test number | | 21051979001-0201 | 217500N | 2021_0375 | 21051979001-0101 |
| 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 25m³, 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 25m³, 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 25m³. | Performance evaluation test was conducted by voluntary standard of Japan Electrical Manufacturers' Association (HD-133) in a closed test space of 25m³. |
| 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.

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

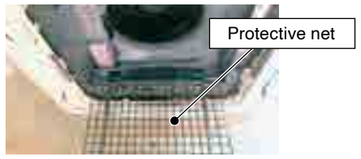
### 1. Unique shape that blocks light

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




### 2. Stop irradiation with safety switch

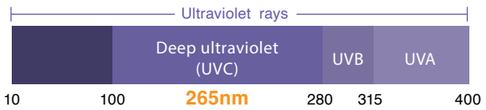
To keep hands out of the UV irradiation area, a protective net is used.
When the protective net is removed, a safety switch stops UVC irradiation.




## 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

MERV 13 rating

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

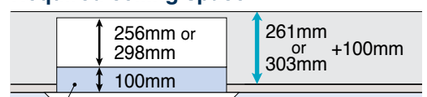

### Streamer technology

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.



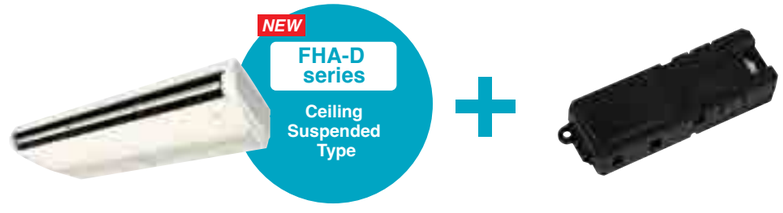
Streamer filter clean unit irradiates Streamer when the fan and air conditioning operation are stopped.
Streamer fumigates the cabin and sterilizes the filter.

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


built-in
**Streamer Filter Clean Unit**

## Streamer filter clean unit is option unit




option
**Streamer Filter Clean Unit**
**BAPWS55A61**
See page 61

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

* Field setting is required.(default: OFF)

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


*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.

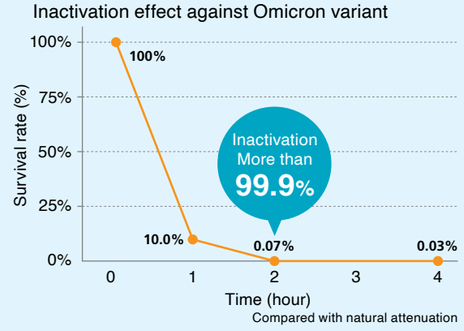
The decomposing elements provide decomposition power.

## 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.

Inactivation effect against Omicron variant




### 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.

Scan here for more
DAIKIN Streamer Research Institute

### Test Organization

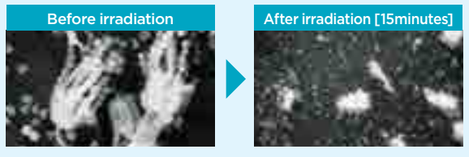
Professor Tatsuo Shioda, Department of Virus Infections, Research Institute for Microbial Diseases, Osaka University

*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.

## 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 dischage 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

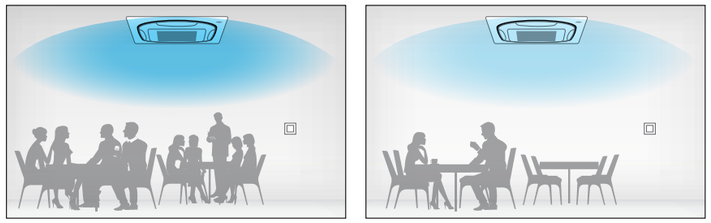
# Smart Airflow Control

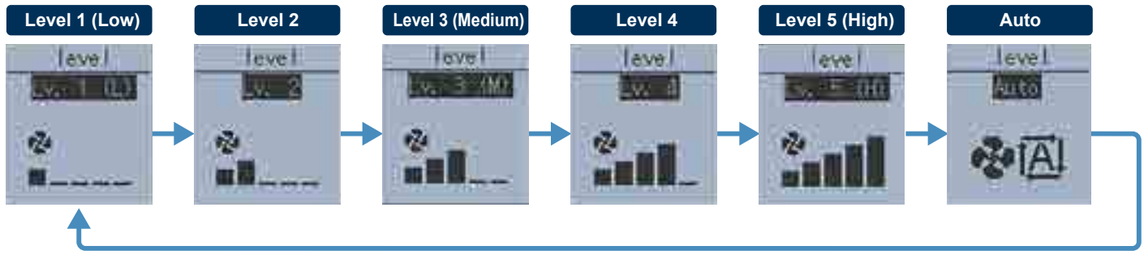
## Indoor units can provide 5-step and 3-step fine control of air volume

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

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

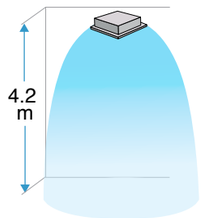
Convenient energy-efficiency for stores with peak and quiet periods.






## Also convenient for high ceilings and spaces with long blow distances

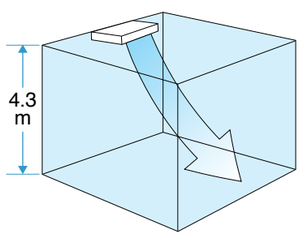
Cassette type <Round Flow>:
maximum 4.2 m*




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*



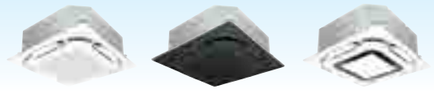

See page 39

*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 |


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

ROUND FLOW

*Shown above is FCTF / FCF50-71.

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

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



| FCTF | Specification | Option |
|---|---|---|
| | P.54 | P.58 |

| FCF | Specification | Option |
|---|---|---|
| | P.54 | P.58 |

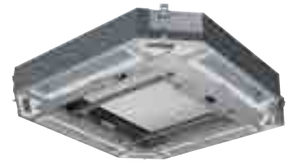
| FCFC | Specification | Option |
|---|---|---|
| | P.56 | P.58 |



P.18-19

FCF series

## UV Streamer Air Purifier Unit (Option)



UVC 265nm × STREAMER × 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.

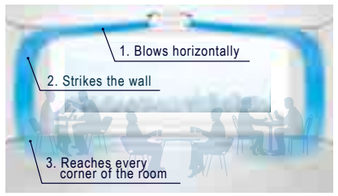
P.26-27

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.

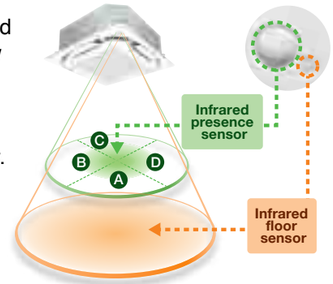



P.29-31

FCTF / FCF only

## Sensing Technology

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




## Option Accessory required for indoor unit.

### Wired Remote Controller *1, 2

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

BRC1H63W (White)

BRC1H63K (Black)

BRC1E63

BRC2E61

### 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: [1] Remote controller cable is not included and must be obtained locally.
[2] FCTF series can be connected only to BRC1H63W(K).
Note: [3] A signal receiver must be added to the indoor unit.

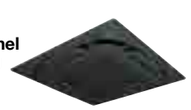
## Panel Variations

Standard panel with Sensing (Fresh white)

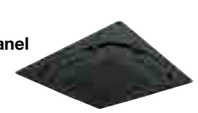
Standard panel (Fresh white)

Designer panel (Fresh white)

Standard panel with Sensing (Black)



Standard panel (Black)



Auto grille panel (Fresh white)

## 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.**

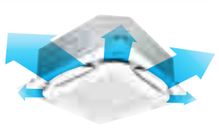
### All-round flow

(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

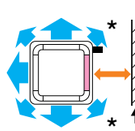


(E.g., installed in a corner)

### Opposite 2-way flow

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

Required distance to wall surface for closing air discharge outlet




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

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

FCF series FCFC series

Promotion video at Daikin official YouTube site.

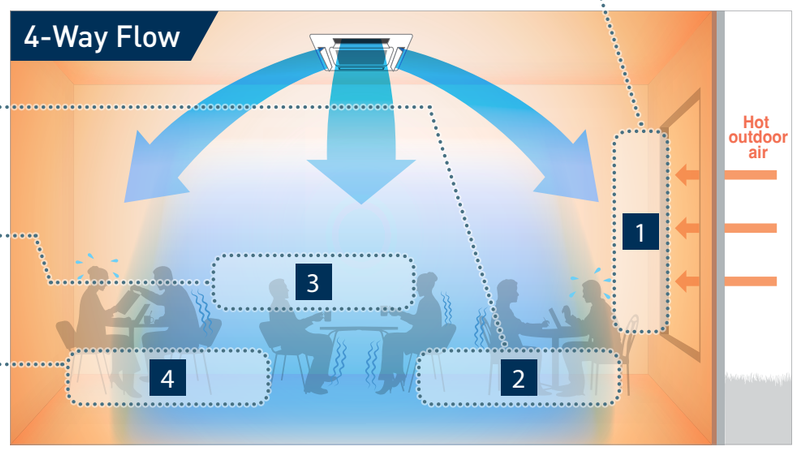
## Conventional airflow had areas that were either too cool or not cool enough.

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

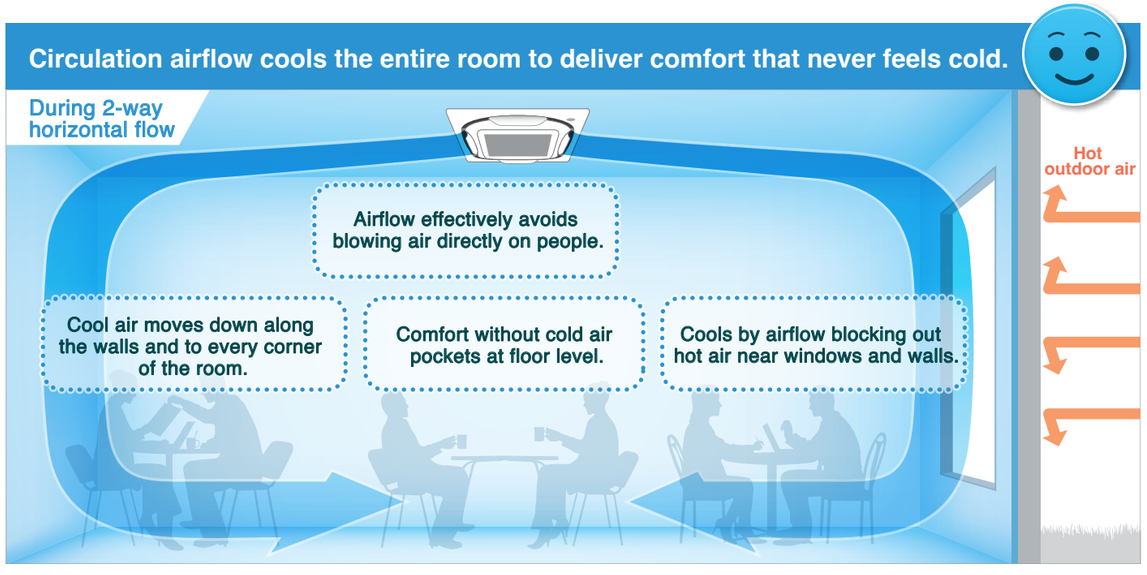
**Problem 2**
Cool air accumulating directly underneath causes cold air pockets at floor level.

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

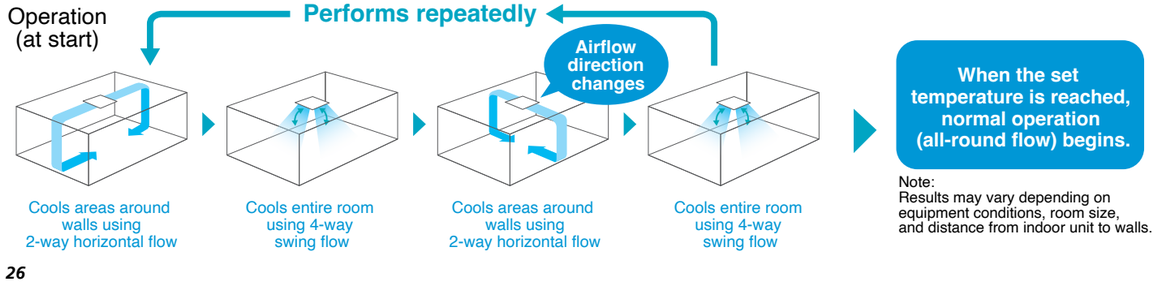
**Problem 4**
Quick descent of cool air causes insufficient cooling for corners of the room.




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



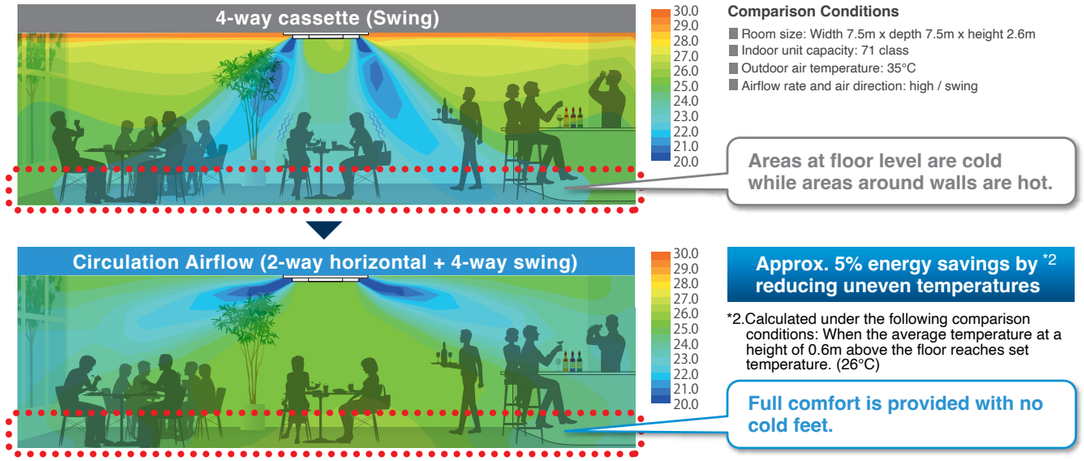

## Configurations of Circulation Airflow (Cooling)




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



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

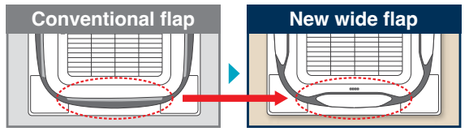



*2.Calculated under the following comparison conditions: When the average temperature at a height of 0.6m above the floor reaches set temperature. (26°C)

## Three Technologies That Achieved Circulation Airflow

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

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




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

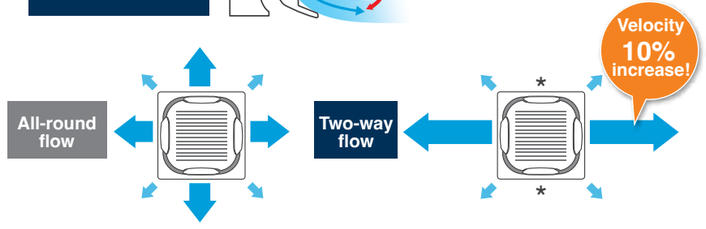
### 2 Optimizing airflow angle (Horizontally)

The airflow angle was made more horizontal.


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

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

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

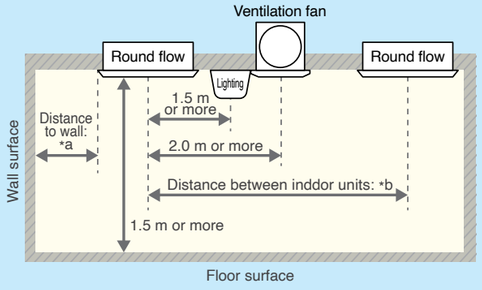



## Things to remember when using circulation airflow

**Main points for use**

- Effectiveness may differ according to room conditions, room size, and distance to walls.
- Airflow operation differs when using the designer panel. (Operation repeatedly switches from 3-way horizontal flow to 4-way downward flow [swing] to 2-way horizontal flow to 4-way downward flow [swing].)
- Circulation airflow functions during connection with wired remote controller. (BRC1E63). However, use is not possible for the following conditions:
  - When 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**




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

**Approx. 5% energy savings by *2 reducing uneven temperatures**

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

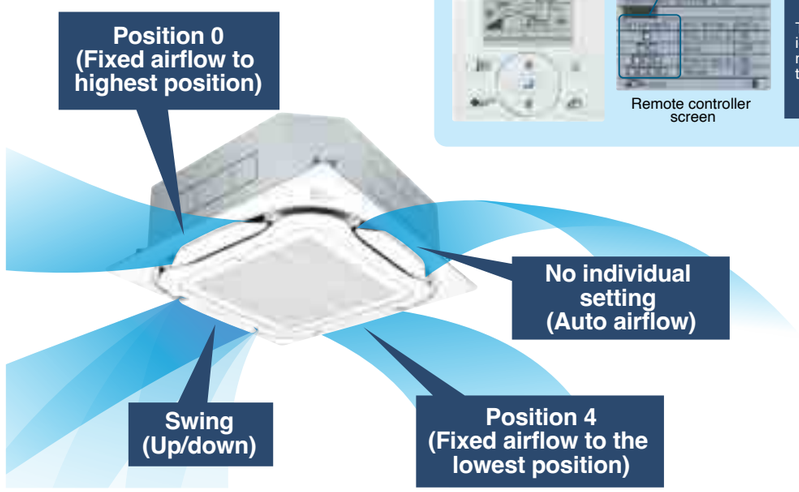
**Full comfort is provided with no cold feet.**

# Individual Airflow Direction Control *1

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

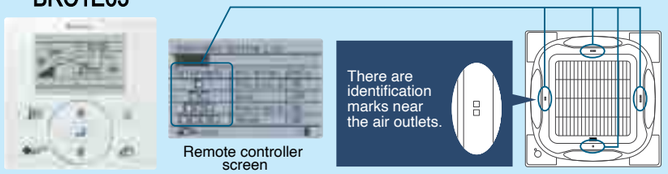
## Comfortable Air Conditioning for All Room Layouts and Conditions

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



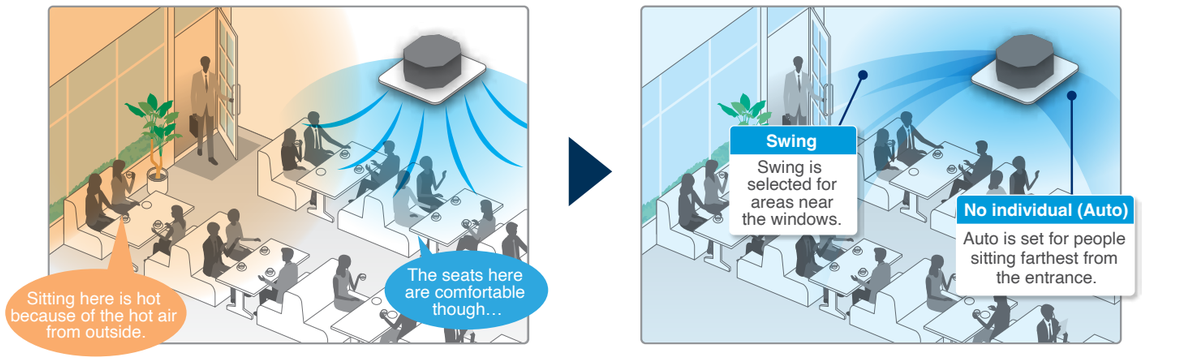

**Individual airflow settings**

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

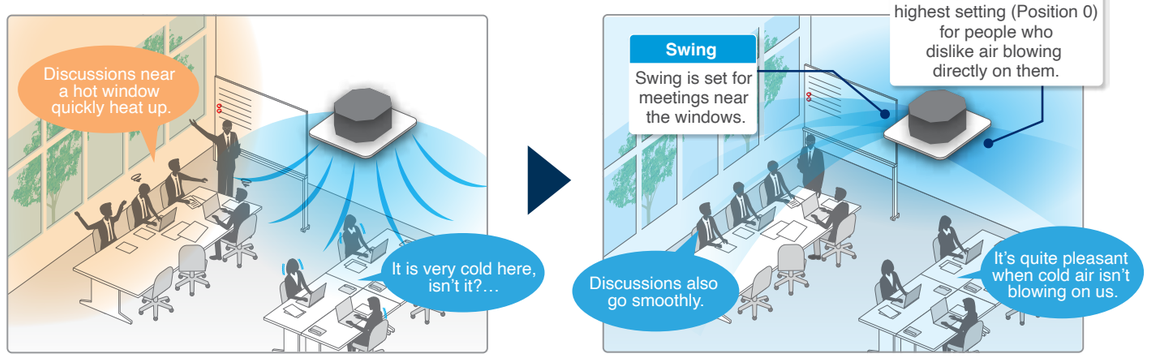
Individual settings are possible as stated above.

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

● For shops and restaurant




● For offices






# Daikin Sensing Technology *2

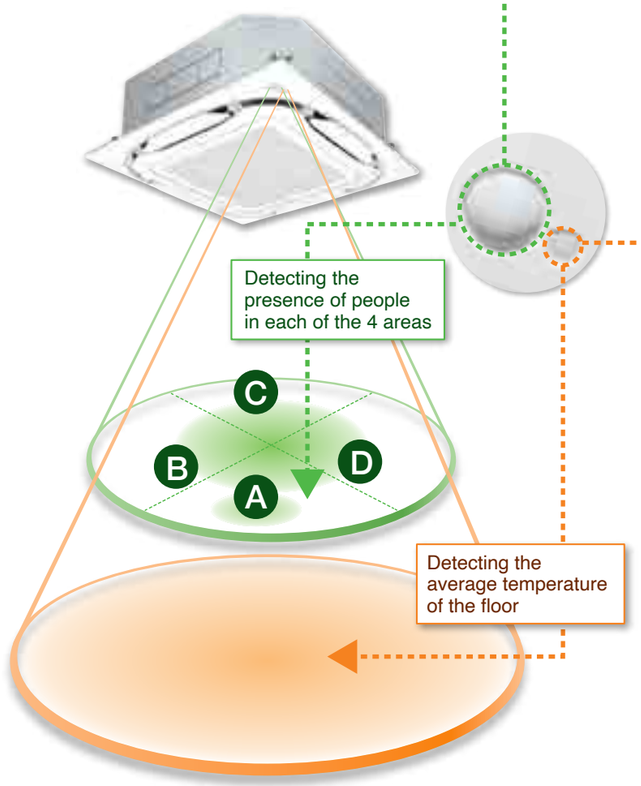
FCTF / FCF only

Promotion video at Daikin official YouTube site.

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

## 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.

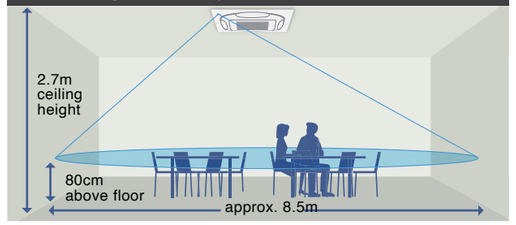
### Infrared floor sensor

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.

**Standard range for infrared presence sensor ***




*[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

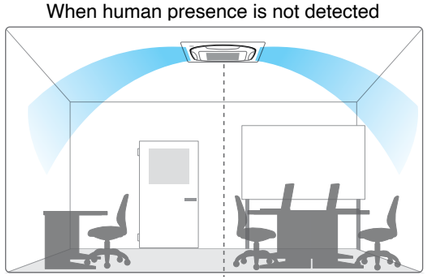
*5. Airflow direction should be set to "Auto".

### Direct Airflow*6 (default: OFF)

Cooling Dry

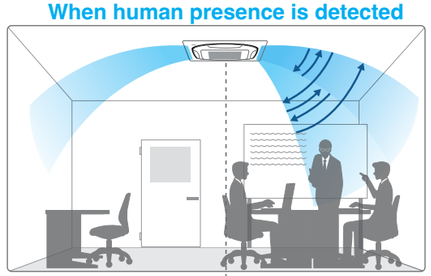
*6.Applicable when BRC1E63 is used.

When human presence is not detected



Optimal air direction by "Auto"

**When human presence is detected**



Optimal air direction by "Auto" **Swing (narrow)**

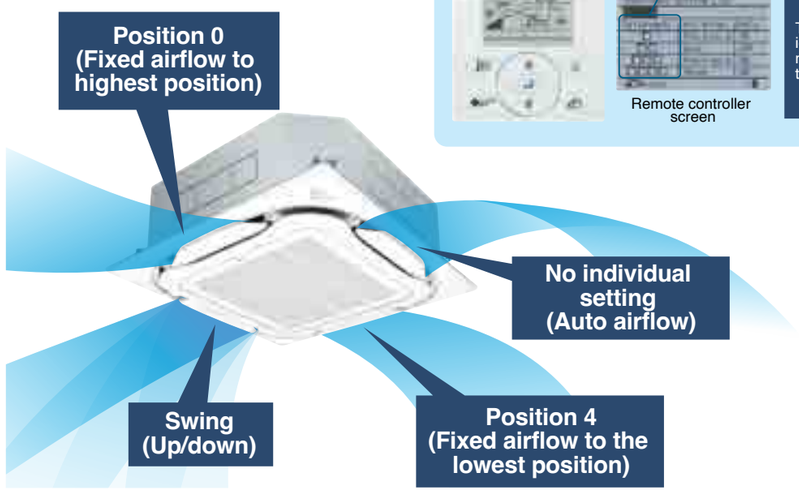
- With "Auto" airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.
- When presence is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.
- When human is not detected for 5 minutes, the unit automatically returns to controlling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

# Individual Airflow Direction Control *1

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

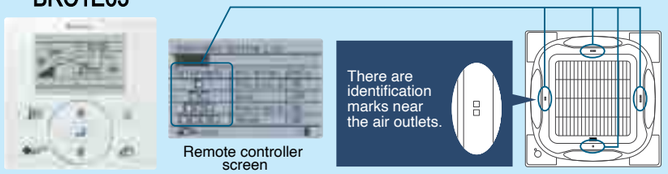
## Comfortable Air Conditioning for All Room Layouts and Conditions

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



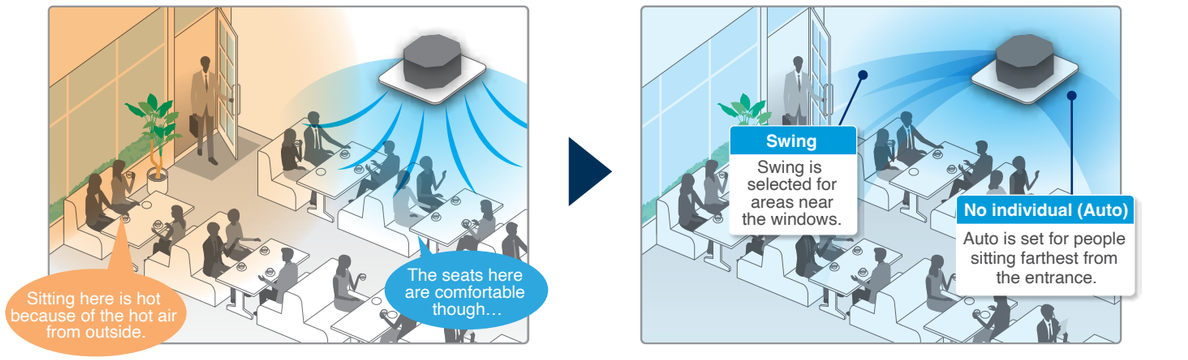

**Individual airflow settings**

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

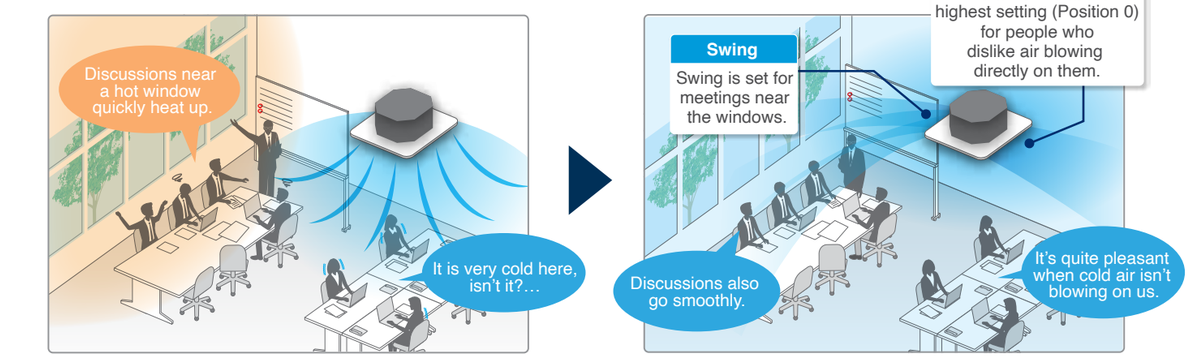
Individual settings are possible as stated above.

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

● For shops and restaurant




● For offices






# Daikin Sensing Technology *2

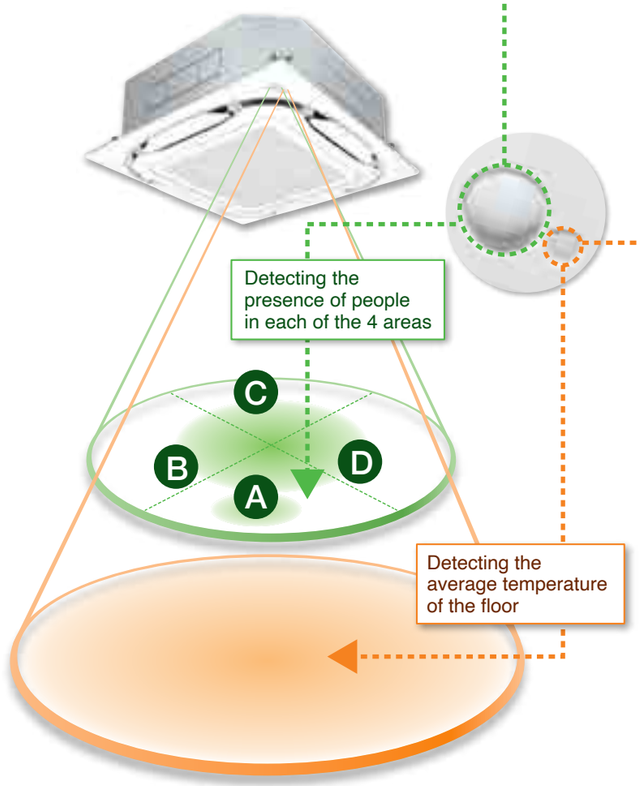
FCTF / FCF only

Promotion video at Daikin official YouTube site.

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

## 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.

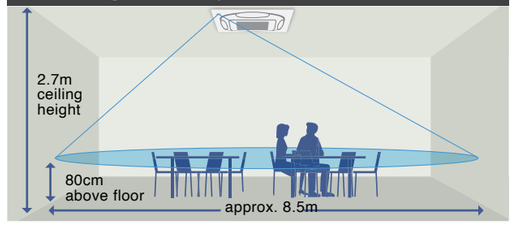
### Infrared floor sensor

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.

**Standard range for infrared presence sensor ***




*[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

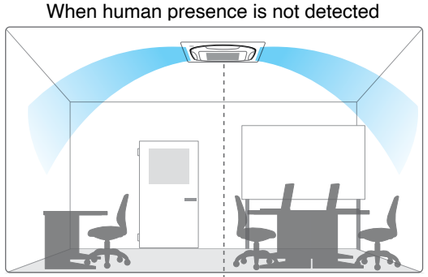
*5. Airflow direction should be set to "Auto".

### Direct Airflow*6 (default: OFF)

Cooling Dry

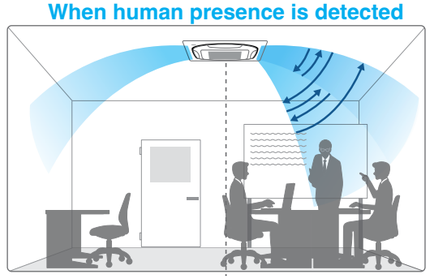
*6.Applicable when BRC1E63 is used.

When human presence is not detected



Optimal air direction by "Auto"

**When human presence is detected**



Optimal air direction by "Auto" **Swing (narrow)**

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

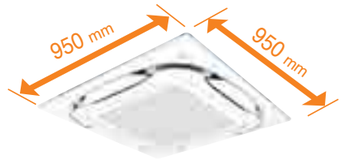
● When presence is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.

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

# Comfort

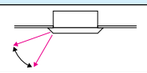
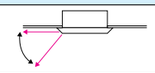
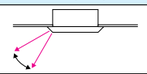
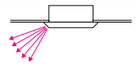
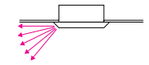
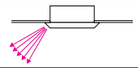
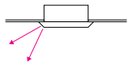
## Unified square panels

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.




Same for all models

## 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

## Quiet operation

dB(A)

| Indoor unit | Sound pressure level | | | | |
|---|---|---|---|---|---|
| | 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 |

## Suitable for high ceilings

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


When all round flow is selected, ceilings up to 4.2 m in height can be accommodated. (FCTF/ FCF 100/125, FCFC100-140)

■ 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.



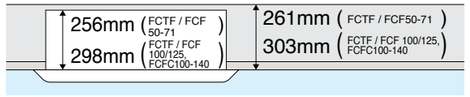
# Quick and Easy Installation

## Lightweight

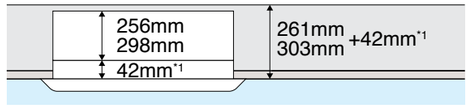
All models can be installed without using a lifter.

## Installable in tight ceiling spaces

Standard panel

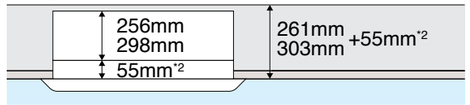



Designer panel




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

Auto grille panel

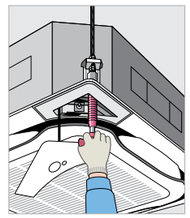



*2.Body height (ceiling required space) is 55 mm higher than standard panel.
*When the ceiling space is limited, an optional panel spacer is available.

## Easy height adjustment

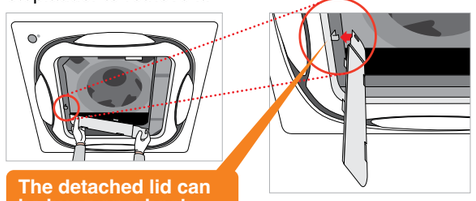
Each corner of the unit has an adjuster pocket that lets you easily adjust the unit's suspended height.

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



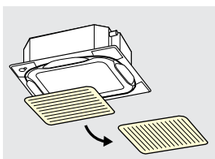
## Temporary placement of control box lid

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



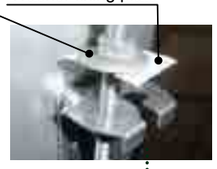

## Installed in any direction

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.



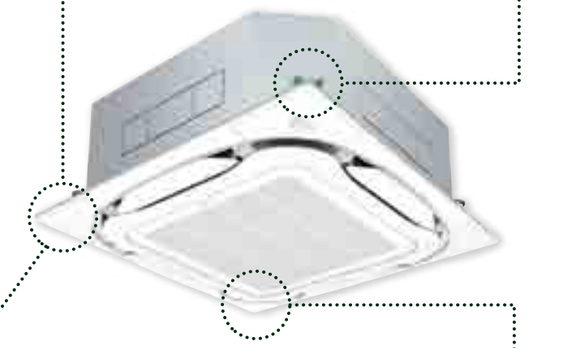
## Easy hanging

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



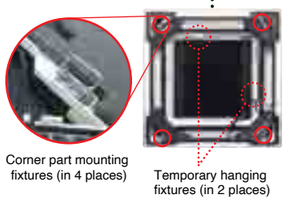

## Easy removal of corner cover

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



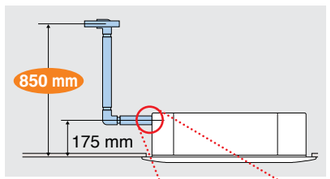
## Ease in temporary hanging of decoration panel

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




## Drain pump

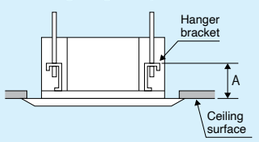
Equipped as standard accessory with 850 mm lift.




## 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 |

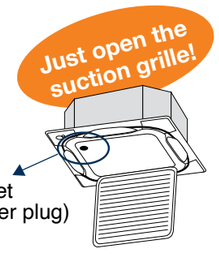
*High-efficiency filter, ultra long-life filter, and fresh air intake

## 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.




### 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)

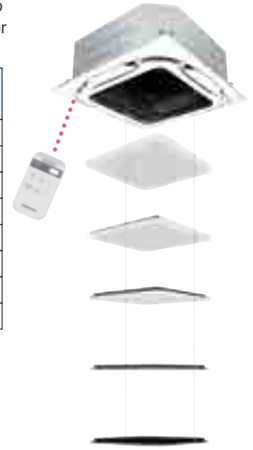
Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

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

### High performance prefilter (MERV 8 filter)

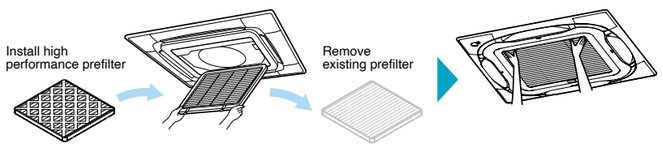
#### MERV 8 rating

#### PM2.5 filtration

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

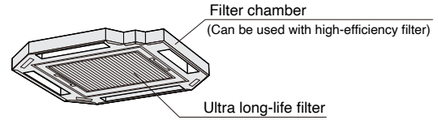


## Options

Options required for specific operating environments

### Ultra long-life filter unit

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

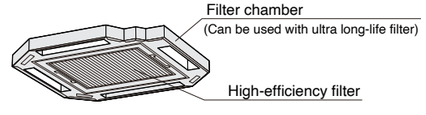



**Dusty area: annual filter change**
*For dust concentration of 0.3 mg/$m^3$ (Requires separately sold Air purifier.)
1 year (Approx. 5,000 hr) ≒ 15 hr/day x 28 day/month x 12 month/year

**Ordinary store or office: filter change every 4 years**
*For dust concentration of 0.15 mg/$m^3$
4 years (Approx. 10,000 hr) ≒ 8 hr/day x 25 day/month x 12 month/years x 4 years

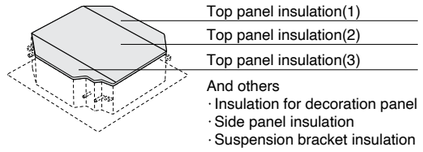
### High-efficiency filter unit

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




### Insulation kit for high humidity

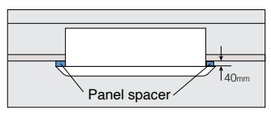
Please use for cases when the temperature and humidity inside ceiling may exceed 30°C and 80%RH, respectively.




And others
· Insulation for decoration panel
· Side panel insulation
· Suspension bracket insulation

### 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

FCF FCFC

*FCTF series is not available.

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

### Branch duct chamber

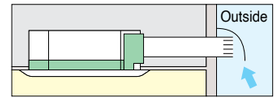
FCF FCFC

*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.

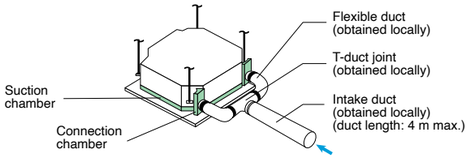
### Fresh air intake kit *4,5

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.

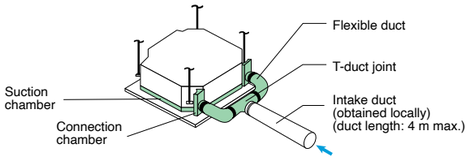



#### The units can be installed in the following different ways

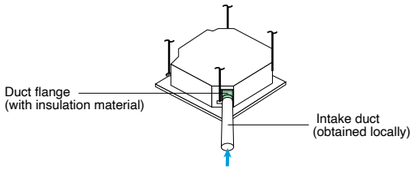
**Chamber type** (without T-duct joint) *6,7,8 — **KDDP55C160**




**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.

# 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

### Wireless Remote Controller *2

- Wireless Remote Controller

Cooling only
BRC4C66

Signal receiver unit (Separate type)

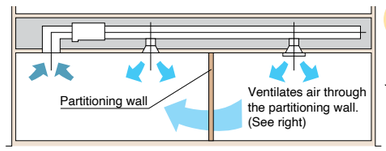
Wireless remote controller is supplied in a set with a signal receiver.

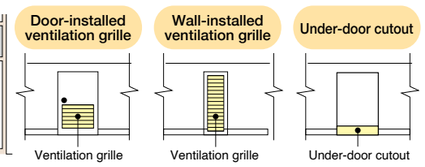
Note: [1] Remote controller cable is not included and must be obtained locally.

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.



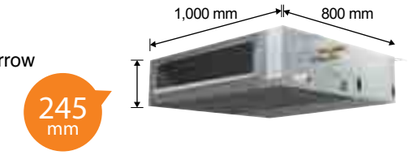

| FBFC | Specification | Option |
|---|---|---|
| | P.55 | P.60 |

| FBFC | Specification | Option |
|---|---|---|
| | P.57 | P.60 |


# Design and Installation Flexibility

## Only 245 mm high

Installation is possible even in buildings with narrow ceiling spaces.

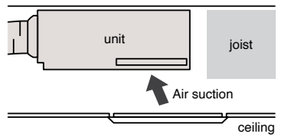



One of the industry's most compact bodies in the mid-static pressure range.

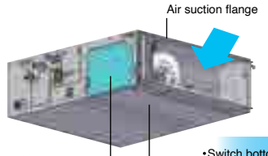
| Indoor unit | FBFC50/60 | FBFC71 | FBFC100/125/140 |
|---|---|---|---|
| Height | 245 mm | | |
| Width | 700 mm | 1,000 mm | 1,400 mm |
| Depth | 800 mm | | |

## Bottom suction is available

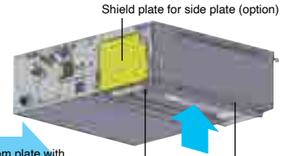
Wiring and servicing can be done from the underside of the unit (an option part required).



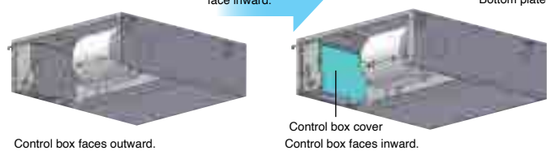

Rear suction




Bottom suction

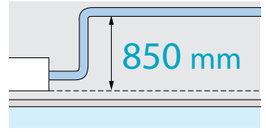



•Switch bottom plate with air suction flange.
•Make the control box face inward.




## Higher lift is realized (Option)

A DC drain pump with optional accessory is utilised.




## 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.

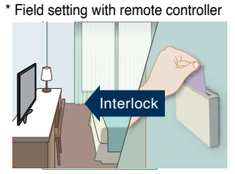
## Airflow rate auto adjustment function

Controls the airflow rate using a remote controller during test run.
It is automatically adjusted to approximately ±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.

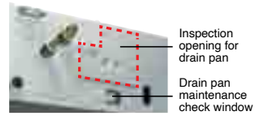
# Easy Maintenance

## 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.




# 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.

# 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)

BRC1H63W (White)

BRC1H63K (Black)

- Navigation Remote Controller (Wired)

BRC1E63

- Simplified Remote Controller (Wired)

BRC2E61

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

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





| FHA | Specification | Option |
|---|---|---|
| | P.55 | P.61 |

| FHFC | Specification | Option |
|---|---|---|
| | P.57 | P.61 |



## Stylish Model

### Sophisticated design

Flap neatly closes when not in use.

### White colour

## Comfort

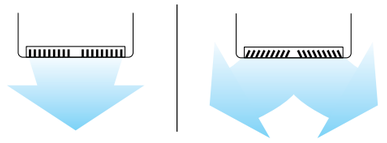
### The technology

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

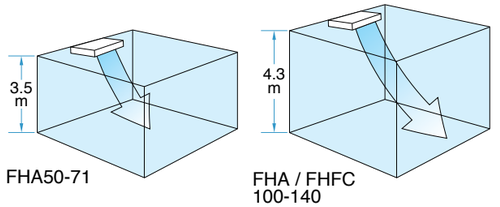
### Auto swing (up and down) and louvers (left and right by hand)

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.

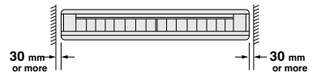
BAPWS55A61

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

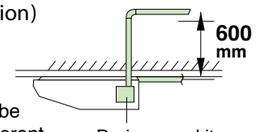
The unit fits more snugly into tight spaces.




*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.



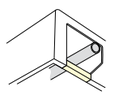

Drain pump kit (built inside the unit)

### 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

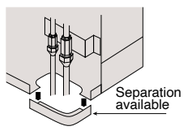
## Easy Installation and Maintenance

### 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.

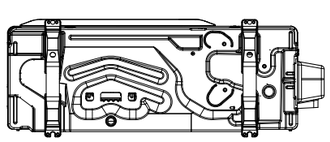
*Although pumping-down operation allows most of the refrigerant to be recovered in a short period of time, some refrigerant will remain inside the indoor unit and refrigerant piping.
Using a refrigerant recovery machine, recover remaining refrigerant from the stop valve service port until the pressure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

### Low gas pressure detection function

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

## Smooth Drainage

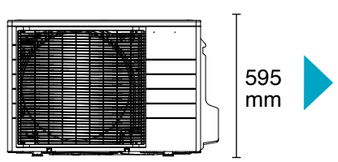
### Bottom frame structure allows water to flow smoothly



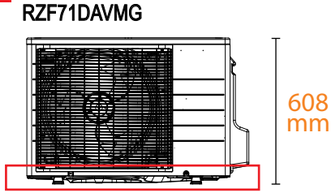
### Taller installation leg than current model

RZF series

current




NEW RZF50/60/71DVMG
RZF71DAVMG






## Reuse of Existing Piping: Refrigerant Pipe Size Table

RZF-D series

| Outdoor Unit \ Existing pipe size (Liquid / Gas) | | | 6.4 / 12.7 | 6.4 / 15.9 | 9.5 / 12.7 | 9.5 / 15.9 | 9.5 / 19.1 | 12.7 / 15.9 | 12.7 / 19.1 | Height difference | Design pressure (High pressure) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RZF50-71DVMG | 9.5 / 15.9 | Condition | ■ | ▲ | ■ | ◎ | × | △ | × | Max. 30m | 4.17MPa |
| | | Max. piping length | 10m★ | 10m★ | 50m | 50m | —— | 25m | —— | | |
| | | Chargeless pipng length | 10m | 10m | 30m | 30m | —— | 15m | —— | | |
| RZF100/125DVMG | 9.5 / 15.9 | Condition | ■ | ▲ | ■ | ◎ | ○ | △ | △ | | |
| | | Max. piping length | 10m★ | 10m★ | 50m | 50m | 50m | 25m | 25m | | |
| | | Chargeless pipng length | 10m | 10m | 30m | 30m | 30m | 15m | 15m | | |

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

★The allowable minimum piping length is 5 m.

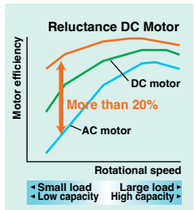
- Refer to the installation manual for details other than those mentioned in the left table such as additional refrigerant charge amount.
- Clean the existing piping if its length exceeds 30m.
- Clean the existing piping if existing piping length exceeds limit of chargeless piping length to perform pump-down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

## Technology for Energy Efficiency

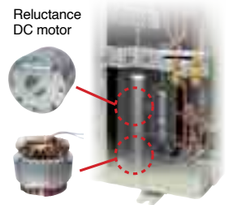
### The high efficiency compressor to achieve a high COP

#### 1 Compressor equiped with reluctance DC motor

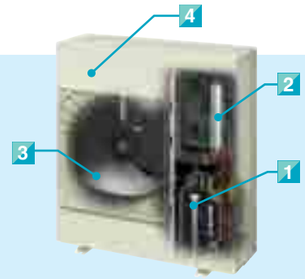
Daikin DC Inverter models are equipped with the reluctance DC motor for compressor.
The reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2.
This motor can save energy because it generates more power with a smaller electric power than an AC or previous DC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




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

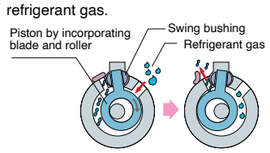



1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
2. The torque created by the change in power between the iron and magnet parts.




**Swing compressor**
High efficiency during partial load operation.

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

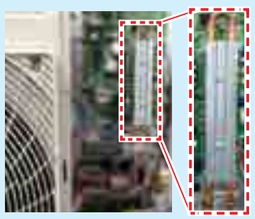



#### 2 Refrigerant cooling

(RZF100-140, RZFC100-140)

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

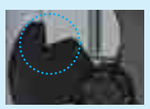
Refrigerant cooling helps protect the printed circuit board and maintains high cooling capacity even during high outdoor temperatures.



#### 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.



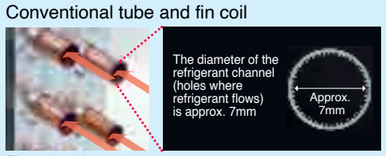
**V-cut propeller fan**

Imitating the performance of the swan

#### 4 High condensing capacity by micro channel heat exchanger

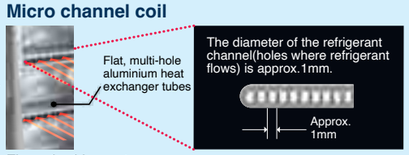
**Reduced wind resistance** The flattening of the heat exchanger tubes improves the flow of air and increases heat exchange efficiency.

Conventional tube and fin coil

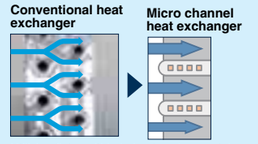



Flow of refrigerant

**Micro channel coil**




Flow of refrigerant




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

# Stylish Remote Controller (Wired Remote Controller)

## BRC1H63W/K

BRC1H63W (White)

BRC1H63K (Black)

BRC1H Remote controller website

### 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.

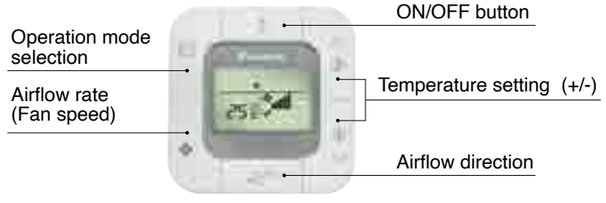
#### Energy consumption monitoring *1,2,3,4

- 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.

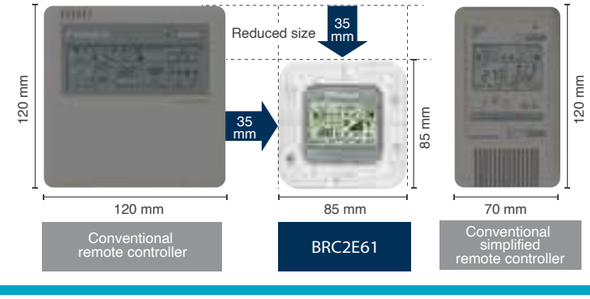
### Intuitive design

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)

**BRC7M635F(K)**

- 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.

Signal receiver unit
(Installed type)

**BRC7M56 BRC7GA56**

Signal receiver unit
(Separate type)

**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)<br>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.

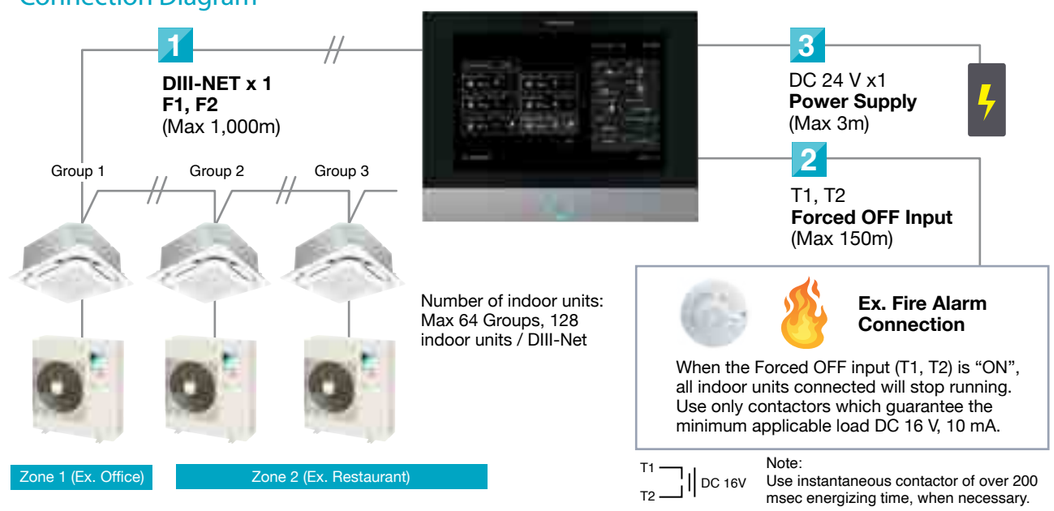
### Daikin Eye

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).

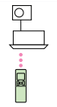
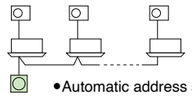
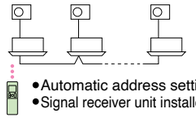
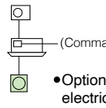
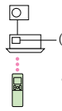
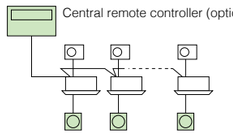
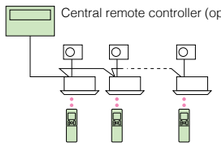
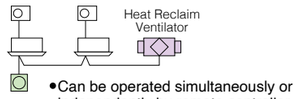
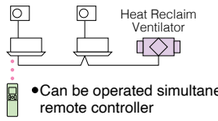
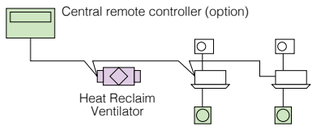
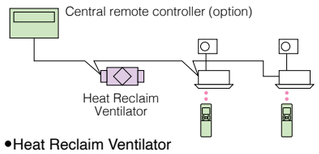
### Functions

| | |
|---|---|
| Number of Management Groups | DIII-Net x 1 Port<br>64 Groups / 128 Units |
| Control | On/Off |
| | Temperature Setting |
| | Mode Setting |
| | Remote Control Acceptance / Rejection |
| | Air Flow Rate Setting |
| | Air Flow Direction Setting |
| | Weekly Schedule |
| Monitoring | On/Off Status |
| | Error |
| | Malfunction Code |
| | Filter Sign |
| | Fan Status |
| Other Controls | 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.

## 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 *VRV* 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.



# Whatever your space, give it the comfort it deserves







# Functions overview

**RZF series**

Cooling only

1 Phase

| | | | CEILING MOUNTED CASSETTE TYPE 〈 Round Flow 〉 with Streamer | | | | | DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE | | | | CEILING SUSPENDED TYPE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Indoor unit |  FCTF50-125BVMG | |  FCF50-125DVMG | | |  FBFC50/60EVMG FBFC71-125DVMG | | | |  FHA50-140DVMG | | | |
| | | Outdoor unit | RZF50-125DVMG | | RZF50-125DVMG | | | RZF50-125DVMG | | | | RZF50-140DAVMG | | | |
| | | Remote controller: Wired | BRC1H63W(K) | | BRC1H 63W(K) | BRC1E63 | BRC2E61 | BRC1H63W(K) | BRC1E63 | BRC2E61 | —— | BRC1H63W(K) | BRC1E63 | BRC2E61 | —— |
| | | Remote controller: Wireless | —— | | —— | —— | —— | —— | —— | —— | BRC4C66 | —— | —— | —— | BRC7M56 |
| Energy Saving | 1 | Energy consumption monitoring | | | | ● | | | ● | | | | ● *8 | | |
| | 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 | | ● | ● *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 | ● 3 step | ● 3 step | ● 3 step | ● 3 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 / 4.3 m | ● 3.5 m / 4.3 m | ● 3.5 m / 4.3 m | ● 3.5 m / 4.3 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 m | | | | ● 50/60DA: 15 m, 71-140DA: 30 m | | | |
| | 30 | Long-life filter | ● | | | ● | | ▲ | | | | ● | | | |
| | 31 | Filter sign | ● | | ● | ● | | ● | ● | | ● | ● | ● | | ● |
| | 32 | Low gas pressure detection *3 | ● | | | ● | | ● | | | | ● | | | |
| | 33 | Emergency operation | ● | | | ● | | ● | | | | ● *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 | ▲ 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 | ▲ | | | ▲ | | ▲ | | | | | | | |

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 RZF71-140DAVMG is used.
*9 : OFF timer only.

●Possible

| Table *4 | | | Main: Wired remote controller BRC 1H63W(K) | Main: Wired remote controller BRC 1E63 | Main: Wired remote controller BRC 2E61 |
|---|---|---|---|---|---|
| Sub | Wired remote controller | BRC 1H63W(K) | ● | | |
| | | BRC1E63 | | ● | |
| | | BRC2E61 | | ● | ● |
| | Wireless remote controller | BRC4C* BRC7C /E/F/G* | | | ● |
| | | BRC7M* BRC4M* | | ● | ● |

# 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 | —— |
| | | Remote controller 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 | ● 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 | | | |
|---|---|---|---|---|---|---|
| | | Indoor unit |  FHFC100-140DV1G | | | |
| | | Outdoor unit | RZFC100-140DY1G | | | |
| | | Remote controller Wired | BRC1H63W(K) | BRC1E63 | BRC2E61 | —— |
| | | Remote controller Wireless | —— | —— | —— | BRC7GA56 |
| Energy Saving | 1 | Energy consumption monitoring | | ●*9 | | |
| | 2 | Sensing sensor stop mode | | | | |
| | 3 | Sensing sensor low mode *1 | | | | |
| | 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 | | ● | ● |
| Comfort | 10 | Circulation airflow | | | | |
| | 11 | Setback | ● | ● | | |
| | 12 | Quick start | | ● | | |
| | 13 | Individual airflow control | | | | |
| | 14 | Infrared presence sensor | | | | |
| | 15 | Infrared floor sensor | | | | |
| | 16 | Auto airflow function (Direct air, Draft prevention) | | | | |
| | 17 | Auto swing | ● | ● | ● | ● |
| | 18 | Swing pattern selection | | | | |
| | 19 | Switchable fan speed | ● 3 step | ● 3 step | ● 3 step | ● 3 step |
| | 20 | Auto airflow rate | ● | ● | ● | |
| | 21 | Two selectable temperature-sensors *2 | ● | ● | ● | |
| | 22 | High ceiling application | ● 4.3 m | ● 4.3 m | ● 4.3 m | ● 4.3 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 | | |
| | 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 | | | | |

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

●Possible

| Table *4 | | | Main | | |
|---|---|---|---|---|---|
| | | | Wired remote controller | | |
| | | | BRC 1H63W(K) | BRC 1E63 | BRC 2E61 |
| 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.

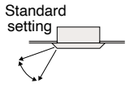
### 16. Auto airflow function (Direct air, Draft prevention)
When this function is set, airflow direction can be directed toward or away from people when human presence is detected.

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

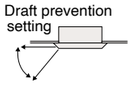
■ The air flow direction can be fixed at your desired angle by the remote controller.

### 18. Swing pattern selection
You can freely set air discharge settings by remote controller.

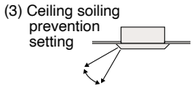
(1) Standard setting



(2) Draft prevention setting



(3) Ceiling soiling prevention setting



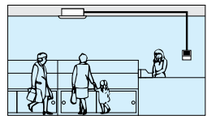
### 19. Switchable fan speed
High setting provides maximum reach while low setting minimises drafts.

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

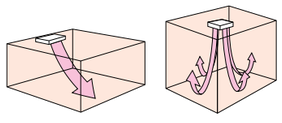
### 21. Two selectable temperature-sensors
Temperature-sensors are included in the indoor unit and optional wired remote controller. Temperature sensing closer to target area is possible to further increase the comfort level.

● 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
Lowers 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.

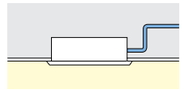
### 25. Anti-bacterial air filter
The air filter has an anti-bacterial treatment to help prevent the growth of bacteria and mould on it.

### 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.

## Work & Servicing

### 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.

### 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.

## 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.

### 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.

## 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.

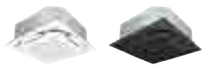
### 47. High-efficiency filter
Two types are available: 65% and 90% colorimetry.

### 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

### 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 | | | | | 50 | 60 | 71 | 100 | 125 |
|---|---|---|---|---|---|---|---|---|---|
| | Indoor unit | | | | FCTF50BVMG | FCTF60BVMG | FCTF71BVMG | FCTF100BVMG | FCTF125BVMG |
| | | | | | FCF50DVMG | FCF60DVMG | FCF71DVMG | FCF100DVMG | FCF125DVMG |
| | Outdoor unit | | | | 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)

| Model Name | | | | | 50 | 60 | 71 | 100 | 125 |
|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | |

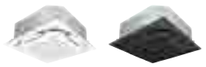
Note : [1] Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[2] Capacities are net, including a deduction for cooling for indoor fan motor heat.
[3] External static pressure is changeable 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)

| Model Name | | | | | 50 | 60 | 71 | 100 | 125 | 140 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Indoor unit | | | | FHA50DVMG | FHA60DVMG | FHA71DVMG | FHA100DVMG | FHA125DVMG | FHA140DVMG |
| | Outdoor unit | | | | RZF50DAVMG | RZF60DAVMG | RZF71DAVMG | RZF100DAVMG | RZF125DAVMG | RZF140DAVMG |
| Power supply | Outdoor unit | | | | 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) | | | m³/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)



| Model Name | | | | 100 | 125 | 140 |
|---|---|---|---|---|---|---|
| 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 | 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.



## DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE (3 Phase)

| Model Name | | | | | 100 | 125 | 140 |
|---|---|---|---|---|---|---|---|
| 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) | | m³/min | 36.0 / 30.5 / 25.0 | | |
| | | | | cfm | 1,271 / 1,077 / 883 | | |
| | | External static pressure [3] | | Pa | 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 | 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 [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 | 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.

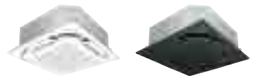
## CEILING SUSPENDED TYPE (3 Phase)

| Model Name | | | | 100 | 125 | 140 |
|---|---|---|---|---|---|---|
| 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 | 34 / 29 / 24 |
| | | | cfm | 988 / 847 / 706 | 1,094 / 953 / 812 | 1,200 / 1,024 / 847 |
| | 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: with Streamer NEW FCTF 50/60/71 BVMG | with Streamer NEW FCTF 100/125 BVMG | NEW FCF 50/60/71 DVMG | NEW FCF 100/125 DVMG | FCFC 100/125/140 DVMG | Required accessory-1 | Required accessory-2 | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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

| Independently installable optional parts \ 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] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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]

| Independently installable optional parts \ 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] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Panel/grille related | Auto grille panel | X | | △ | O | O | O[4] | X | X | X | X |
| | Panel spacer [1,3] | X | △ | | △ | △ | X | X | X | X | △ |
| Auxillary function related | Fresh air intake kit (Chamber type) [1,2] | X | O | △ | | X | X | X | X | X | O |
| | Fresh air intake kit (Direct installation type) | X | O | △ | 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 | △ | O | O | X | X | X | X | |

### Branch duct connection

| Independently installable optional parts \ 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] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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.(△)
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: NEW FBFC 50/60 EVMG | Kit name: FBFC 71 DVMG | Kit name: FBFC 100/125/140 DVMG | Required accessory-1 | Note |
|---|---|---|---|---|---|---|---|---|---|
| 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: NEW FHA 50 DVMG | Kit name: NEW FHA 60/71 DVMG | Kit name: NEW FHA 100/125/140 DVMG | Kit name: FHFC 100/125/140 DV1G | Required accessory-1 | Required accessory-2 | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | BAPWS55A61 | | | —— | 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 | Kit name: NEW RZF100DVMG NEW RZF100DAVMG | Kit name: NEW RZF125DVMG NEW RZF125/140DAVMG |
|---|---|---|---|---|---|
| 1 | Central drain plug | | KKP014A4 | KKP937A4 | KKPJ5H280 |
| 2 | Fixture for preventing overturning | | —— | | KKTP5B112 |
| 3 | Wire fixture for preventing overturning | | —— | | K-KYZP15C |
| 4 | Air direction adjustment grille | | KPW937F4 | KPW5G112 | |

### 3 Phase

RZFC series


| No. | Name of option | 3 Phase | Kit name: RZFC100DV1G | Kit name: 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**

## Features

- 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<br>FCTF50-125BVMG | ● | ● | ● |
| **CEILING MOUNTED CASSETTE TYPE** 〈Round Flow〉<br>FCF50-125DVMG | ● | ● | ● |
| **CEILING MOUNTED CASSETTE TYPE** 〈Round Flow〉<br>FCFC100-140DVMG | | ● | ● |
| **DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE**<br>FBFC50/60EVMG<br>FBFC71-140DVMG | | ● | ● |
| **CEILING SUSPENDED TYPE**<br>FHA50-140DVMG | ● | ● | ● |
| **CEILING SUSPENDED TYPE**<br>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.
- 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.

## Be in complete control of air conditioner

### Minimise touchpoints

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

### Check air conditioner status

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

### Remotely operation control

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**

Download on the App Store

GET IT ON Google Play

+

Wireless router

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



# Reiri for Office (option)

# Reiri for Home (option)

## 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

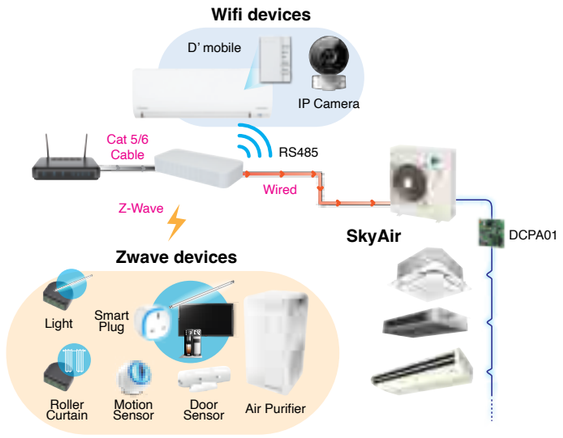
**Smart solution control**
- Control and customise smart devices and electrical appliances conveniently.
- Allows for greater control and applicable for multi site monitor and control according to buildings' needs.

**Energy consumption monitoring and billing system***
- Take control of the electrical costs by monitoring usage.

*With the use of an Energy Clamp/kWh Metre

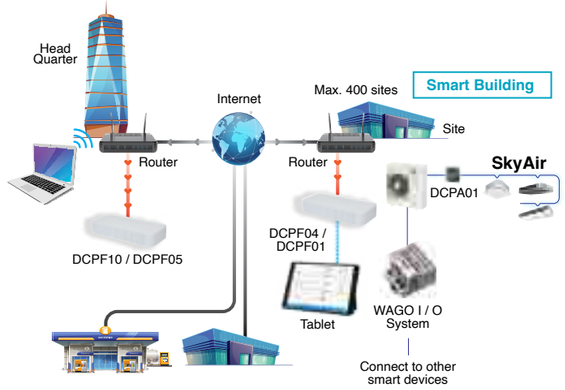
**Multi tenant/ Multi site monitoring**
- Applicable for multi outlet monitoring and control.

## Office solutions: Control and monitor




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

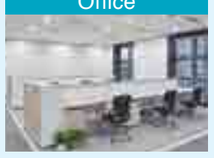
## Multi site monitoring system




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

## Applications

### Office

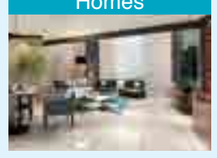


### Childcare

### Retail space

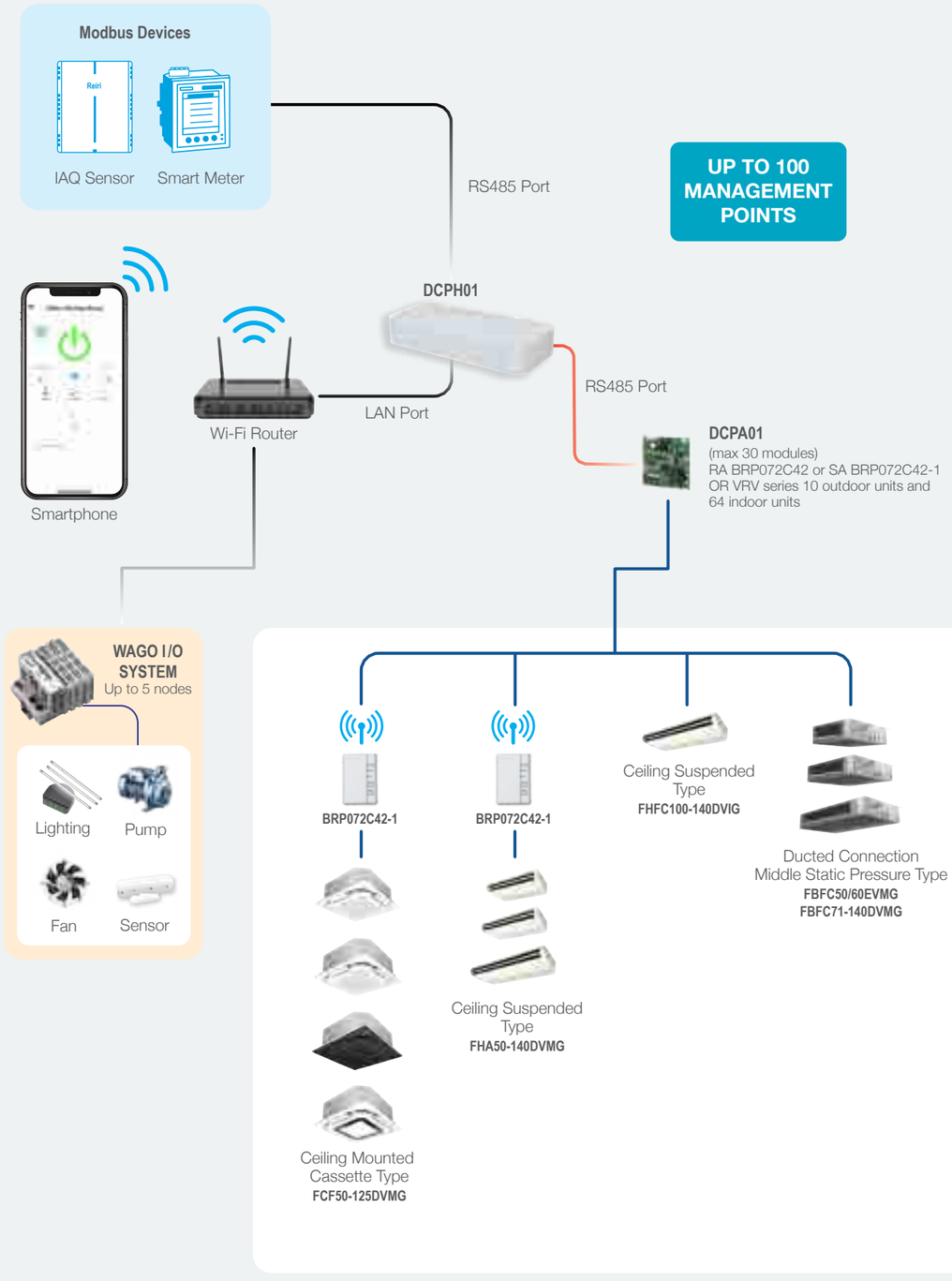
### Shop house

### Homes



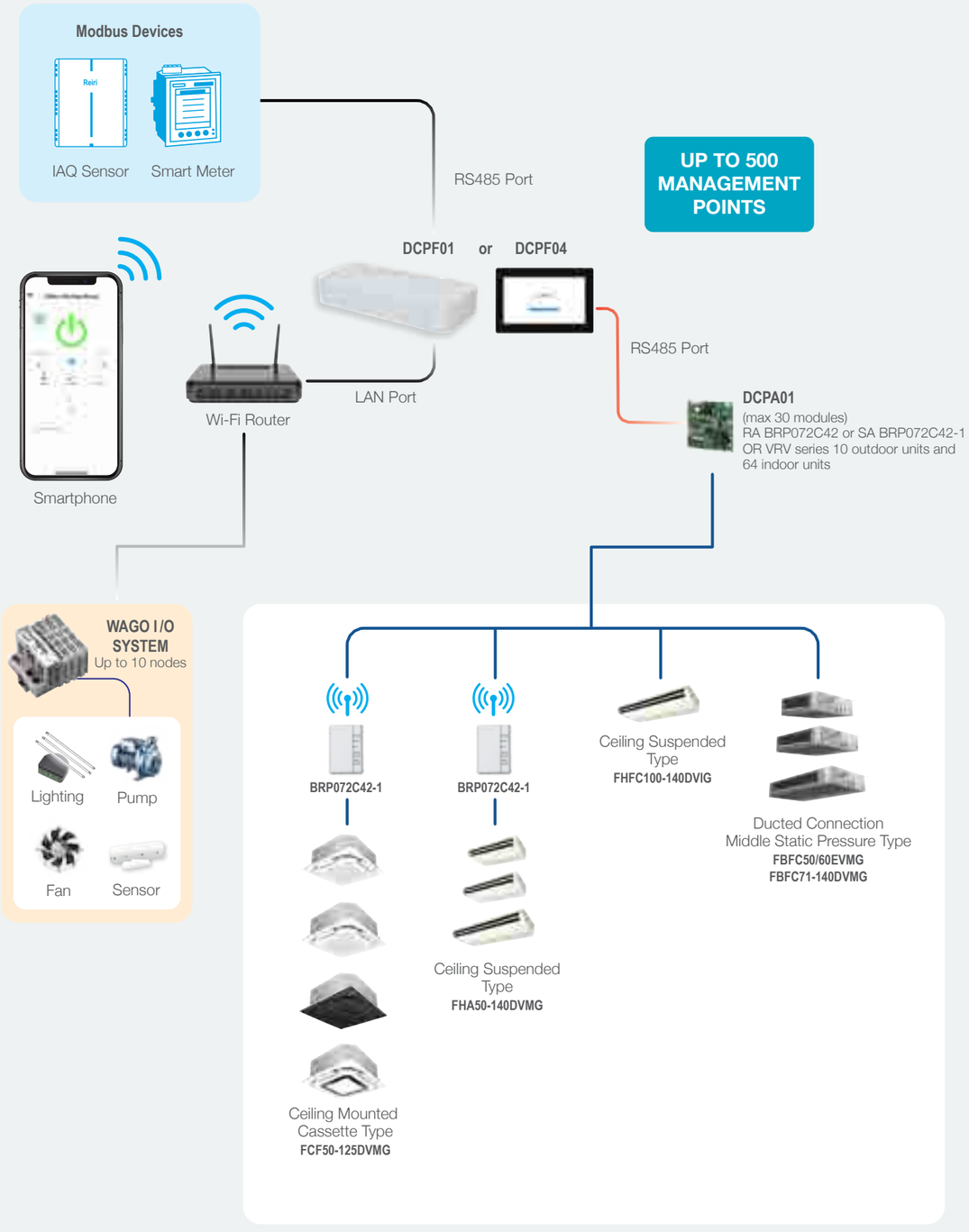
# Daikin Reiri for Home

**Reiri** DCPH01



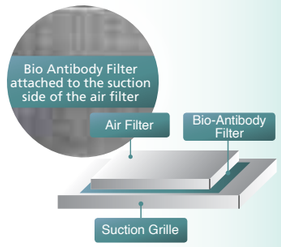
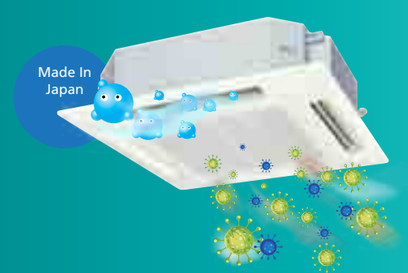
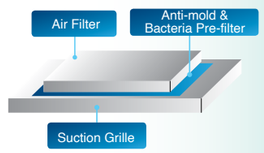

# Daikin Reiri for Office

**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***   | 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.<br><br>This reduces chances of fouling on the cooling coil, improve Indoor Air Quality, and lastly enhances the maintainability and lifespan.<br><br>Applicable models: All FCUs | • Anti-Fungal / Anti-Bacteria<br>• Ozone Free<br>• Superior Corrosion Protection<br>• Superior Hydrophobic<br>• Water Based<br>• Non-Flammable |
| **BIO-ANTIBODY FILTER***   | Installation Method   • Replacement is advisable for every 3 months<br>• 2 sheets of filter per package<br>• Applicable models: All FCUs | • Suppress virus effectively within one minute.<br>• No chemical substance/method is used<br>• Easy to install |
| **Anti-Mold & Bacteria Pre-filter**   | Installation Method   • Can be washed and reused for up to 6 times<br>• 1 sheet or 1 roll of filter per package, depending on usage | • Stop growth of mold and bacteria<br>• Eliminate the smell and mildew stain<br>• 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 $\mu$m particles and 99% of 3.0-10 $\mu$m 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.

### Simple Step

**Chamberless Filter**

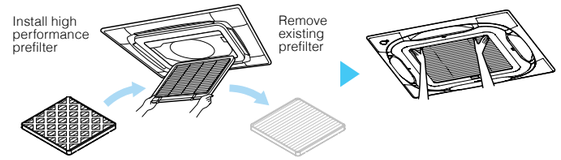
Additional parts and difficult installation works are unnecessary. Just replace the existing prefilter.

**Retrofit to Existing Indoor Unit**

Attachable to your current round flow cassette for IAQ improvement.

**Easy Replacement**

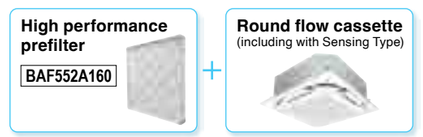
The prefilter can be easily replaced by removing the suction grille of the decoration panel*.




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

## 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 | | |




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.

**Applicable with:** SkyAir

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

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

# Perfecting the Air

## For a Healthier, Greener & Smarter Tomorrow

**IEQ**
Perfecting
Indoor Environmental
Quality

**ECO**
Perfecting
Sustainability

**IoT**
Perfecting
Smart Solutions

### Contact Details

DAIKIN AIRCONDITIONING (SINGAPORE) PTE. LTD.
(Singapore Main Office)
10 Ang Mo Kio Industrial Park 2, Singapore 569501

### Operating Hours

Monday to Friday : Open Daily
Saturday, Sunday & Public Holiday: Closed

### 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)

**Service/Spare Parts Centre**
**Smart Home/Office Solution**
service@daikin.com.sg

**Energy Assessment**
energy@daikin.com.sg

**IAQ Assessment**
IAQ@daikin.com.sg

**Building Management System**
bms@daikin.com.sg

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

6311 8687 accessories@daikin.com.sg

Find out more

Follow us on our social platforms now! @DaikinSG



SGPCS2502