



FCFG-0225-C

*SkyAir*

**Single-Split Inverter Series**

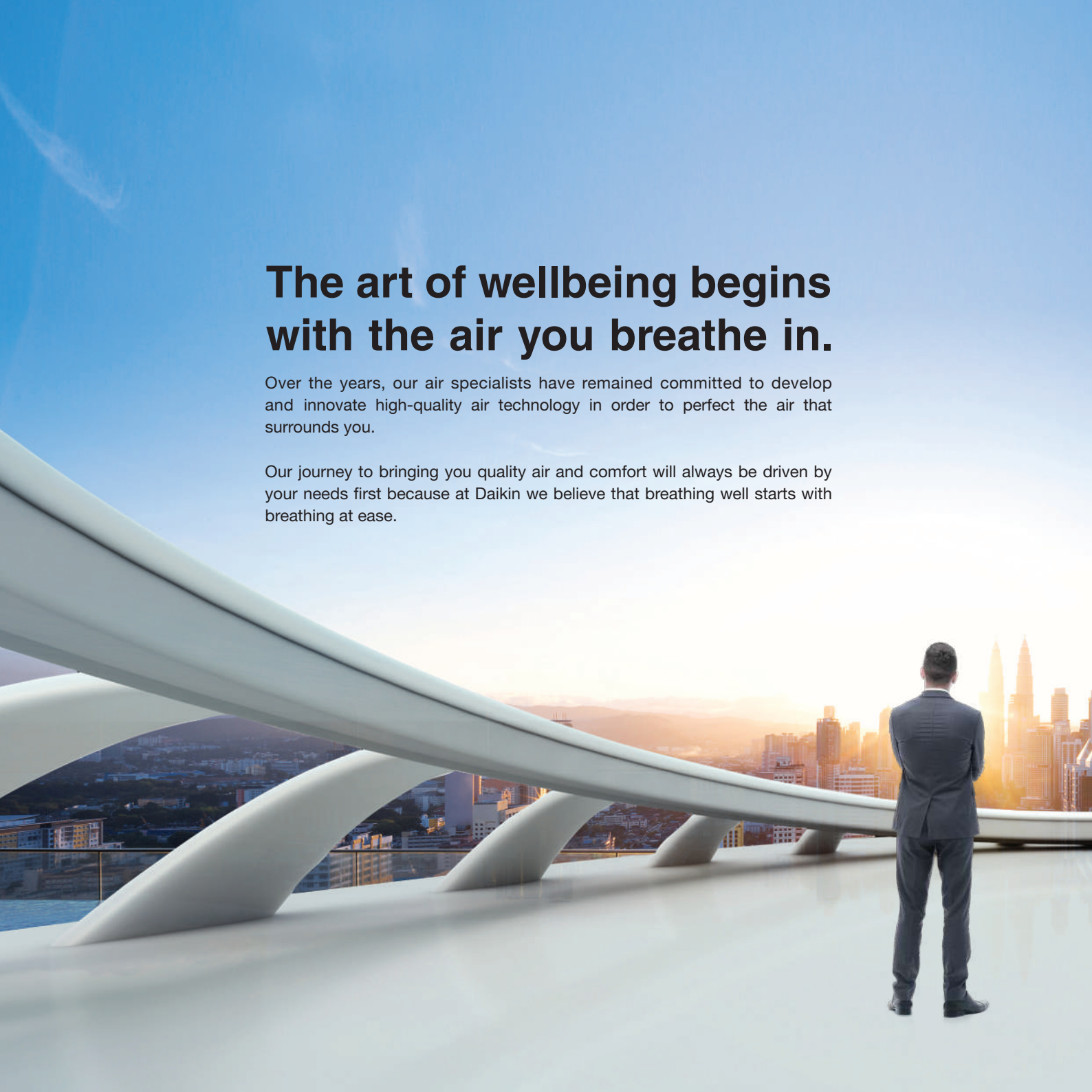
REVO  
SURROUND CASSETTE  
Max



# The art of wellbeing begins with the air you breathe in.

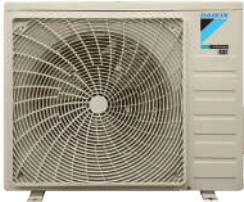
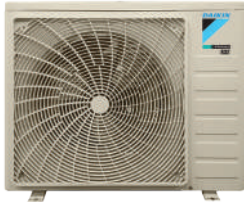
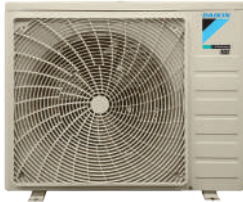
Over the years, our air specialists have remained committed to develop and innovate high-quality air technology in order to perfect the air that surrounds you.

Our journey to bringing you quality air and comfort will always be driven by your needs first because at Daikin we believe that breathing well starts with breathing at ease.





Product Line Up

|              |  |  |  |                                                                                     |                                                                                      |                                                                                       |
|--------------|--|--|--|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Series       |  |  |  | 50                                                                                  | 60                                                                                   | 71                                                                                    |
|              |  |  |  |    |    |    |
|              |  |  |  |    |    |    |
| Indoor unit  |  |  |  | FCFG50AV1MF                                                                         | FCFG60AV1MF                                                                          | FCFG71AV1MF                                                                           |
|              |  |  |  |  |  |  |
| Outdoor unit |  |  |  | RZFG50AGVMM                                                                         | RZFG60AGVMM                                                                          | RZFG71AGVMM                                                                           |
| Power Supply |  |  |  | 220-240V / 1 phase / 50Hz                                                           | 220-240V / 1 phase / 50Hz                                                            | 220-240V / 1 phase / 50Hz                                                             |
|              |  |  |  | Power from outdoor                                                                  | Power from outdoor                                                                   | Power from outdoor                                                                    |

85



**FCFG85AV1MF**

100



**FCFG100AV1MF**

125



**FCFG125AV1MF**

140



**FCFG140AV1MF**



**RZFG85AVMM**



**RZFG100AVMM**



**RZFG125AY1M**



**RZFG140AY1M**

220-240V / 1 phase / 50Hz

**Power from outdoor**

220-240V / 1 phase / 50Hz

**Power from outdoor**

380-415V / 3 phase / 50Hz

**Power from outdoor**

380-415V / 3 phase / 50Hz

**Power from outdoor**



## Redefine ideal ambient experience

The Inverter REVO Surround Cassette Max redefine the ideal ambient experience where every aspect is carefully designed to elevate your wellbeing and complement your space and daily needs.

When design meets comfort, redefine the meaning of REVO Max “revolutionary”, and experience ambient living worthy of your senses.



# Heart of the space



**INVERTER**  
**Technology**

Advance Daikin inverter technology brings various benefits including optimal comfort, convenience and greater power saving.

● ○  
**Aesthetics Refined**

Designed to carefully blend into any interior to complement your space while delivering full airflow coverage and top performance.

❄  
**Comfort Maximised**

With surround cooling and uniform distribution of airflow, sit back and relax as you go about your tasks and enjoy the ultimate zen experience.

♡  
**Health Prioritised**

Where craft and artistry meets high-end technology, equipped with enhanced air purification for triple air quality protection so you can breathe at peace.

📶  
**Controls Redefined**

Built-in WiFi control lets you be the master of your own space by having control of your indoor climate at your fingertips.

# Aesthetic

Every aspect of the award winning Inverter REVO Surround Cassette Max was designed with care to complement your daily needs and elevate your overall space and surrounding environment.

Features a sleek edge-to-edge bottom inlet and all-round horizontal outlet with a grille pattern that is carefully arranged to minimise ceiling contrast and blend in seamlessly with your space.



GOOD DESIGN  
AWARD 2020

**BEST  
100**

Japan's Good  
Design Award  
Best 100



DESIGN  
AWARD  
2021

Germany's  
iF Design Award





## Slim Remote Control

Sleek Design

Easily accessible controls

Notable temperature display

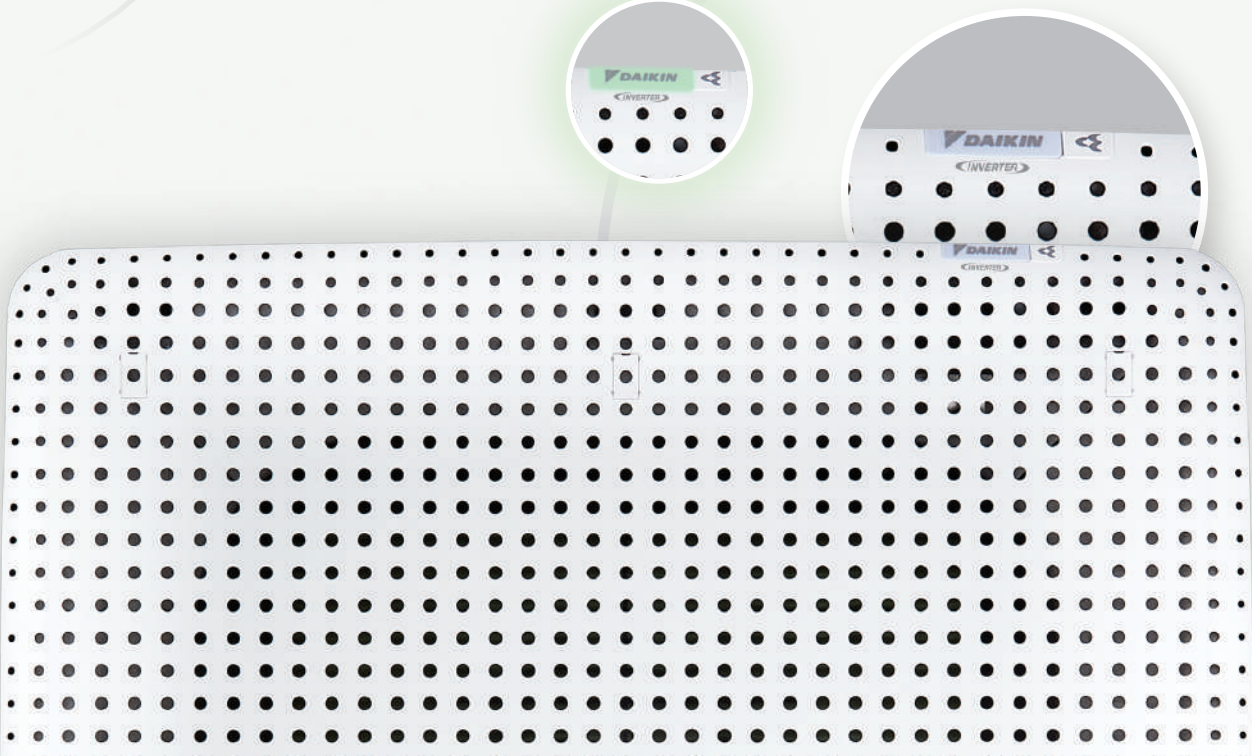
## Luminous LED Lights

Simple yet focused indicator light bar that lets you stay in the know without the disturbance.

Timer  
(On/Off Timer)

Cooling  
(Cool Mode)

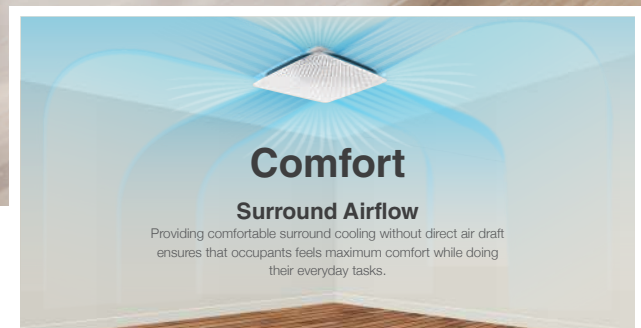
ECO+  
(Energy Saving)







Cozy interior design is focused on bringing comfort and creating an inviting atmosphere.



For illustration purposes only

# Health

Enjoy enhanced air purification that ensuring your surrounding air remains healthy with the Daikin triple method consist with 3 keys technologies.

## 3 Keys Technologies of Daikin Triple Methods



The three keys technology of Daikin triple method combining Streamer, Active Plasma Ion and Gin-Ion Blue Filter ensuring the cleaner air by three angles of protection.

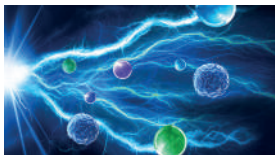
The decomposition and filtration of viruses and bacteria, allow to have a better quality of air and surroundings.

### 1st Key Technology: Streamer Technology

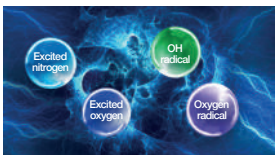


Equipped with decomposition technology, Streamer is a type of plasma discharge that eliminates allergens such as pollen, mould, and mites, as well as, deodorises anti-bacterial dust filters so you can breathe with ease.

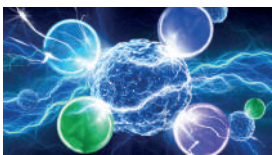
### Mechanism of decomposition by Streamer



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.

## 2nd Key Technology: Active Plasma Ion

The plasma ion technology uses plasma discharge to release ions into the air, which combine with components of the air to form active species with strong oxidizing power like OH radical. They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation.

Daikin's plasma ions have been proved safe.  
Safety concerning effect on skin, eyes, and respiratory organs  
Testing organization: Life Science Laboratories, Ltd.  
Name of test: repeated-dose toxicity test  
Test number: 12-11 A2-0401

### Mechanism of reduction by Active Plasma Ion

Concentration: 25,000 ions/cm<sup>3</sup><sup>\*1</sup>

Note:

<sup>\*1</sup> The number of ions per 1cm<sup>3</sup> of air blown into the atmosphere measured near the air outlet during operation with maximum airflow.  
Test conditions: temperature 25°C, humidity 50%.

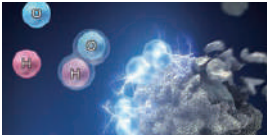
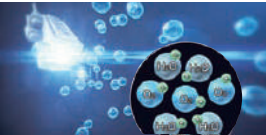


Image is for illustration purposes

## 3rd Key Technology: Gin-ION Blue Filter



The Gin-ION Blue Filter is designed to effectively decompose the virus on the air filter surface. It is to provide better quality of indoor air for healthier life.

This filter is treated with positively charged silver ion which effectively attract virus and bacteria onto its surface then decompose. On top of that, this filter can also prevent any fungal growth on its surface to provide better indoor air quality for healthier life.  
Supplied as standard with REVO Max panel.

- ✓ 99% Virus Reduction<sup>\*1</sup>

✓ Skin Friendly<sup>\*2</sup>

✓ Non-Toxicity<sup>\*3</sup>

✓ Non-Hazardous<sup>\*4</sup>

✓ Easy Maintenance

✓ No Harm<sup>\*4</sup>

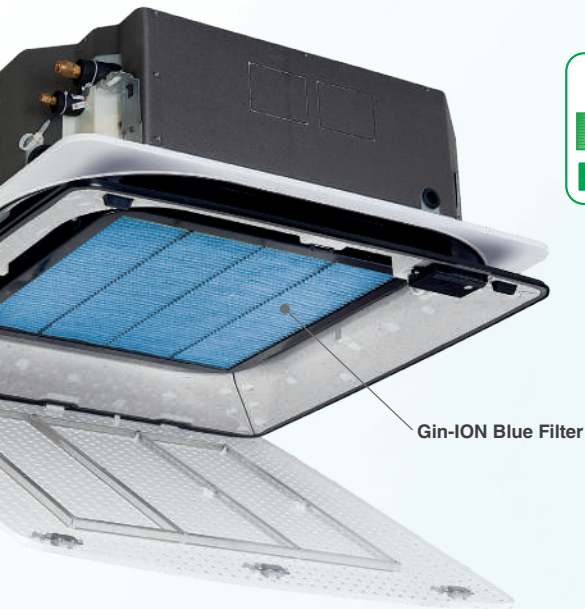
✓ Suitable for Residential & Light Commercial Application

<sup>\*1</sup> The effect stated here is effect against the virus that attach to the filter in the experimental facility for 2 hours.

<sup>\*2</sup> Test Organization: Ningbo Customs District Technology Center. Test Number: 232000034026. Test Method : Animal Irritation Test: Single-exposure Test, Acute Ocular Irritation Test. (PP Antiviral Screen (ISO 10993- 10:2010)).

<sup>\*3</sup> Test Organization: Ningbo Customs District Technology Center. Test Number: 232000034026. Test Method: Acute Oral Toxicity Test. Test Standard: Technical Standard for Disinfection.

<sup>\*4</sup> Test Organization: Ningbo Customs District Technology Center. Test Number: 232000034026. Test Method: Acute Dermal Toxicity Test, Acute Inhalation Toxicity Test. (ISO10993.11-2017).



## PM2.5 Filter (MERV14 Ratings)

Particulate matter as small as 2.5 micrometers ( $\mu\text{m}$ ) can be breathed deep into the lungs, rest assure that your air remains clean as the filter is able to remove particulate matter as small as PM2.5 with MERV14 ratings in accordance to ASHRAE 52.2 Standards.

**Testing Organization:**  
Goldensea

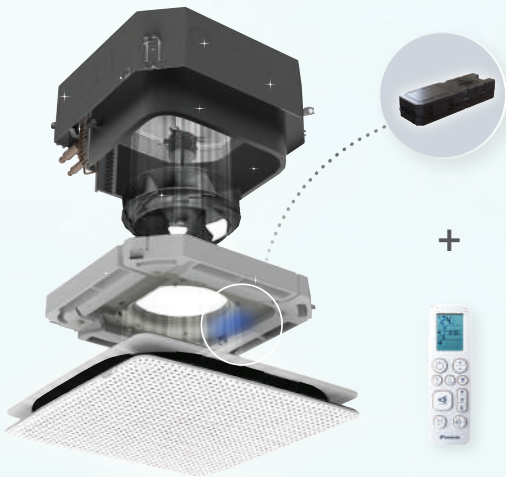
**Test Number:**  
GS-GL-0527-2021-01

**Test Method:**  
Filter performance test based on ASHRAE 52.2

**Test Result:**  
The filter meets MERV14 rating

| Standard 52.2<br>Minimum Efficiency<br>Reporting Value | Composite Average Particle Size Efficiency,<br>% in Size Range, $\mu\text{m}$ |                      |                       |
|--------------------------------------------------------|-------------------------------------------------------------------------------|----------------------|-----------------------|
|                                                        | Range 1<br>(0.3-1.0)                                                          | Range 2<br>(1.0-3.0) | Range 3<br>(3.0-10.0) |
| 14                                                     | $\geq 75\%$                                                                   | $\geq 90\%$          | $\geq 95\%$           |

## Bacteria Reduction Performance Efficiency Test

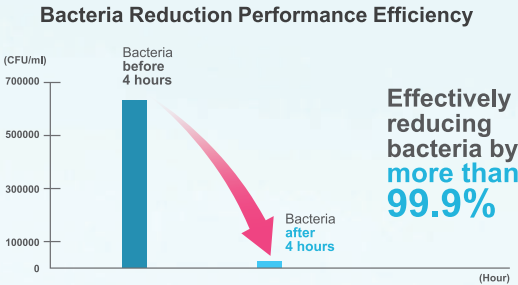


**Streamer Device**

Streamer discharge decomposes bacteria and mould adsorbed on the filter by irradiating them with an advanced plasma electric discharge. It provides highly effective oxidative decomposition.

**Streamer logo display on remote control**

Prominent temperature display for remote control with Streamer logo (when the Streamer is turned on)



**Testing Organization:**  
Tropical Infectious Disease Research Center (TIDREC),  
Universiti Malaya

**Test Number:**  
TS4-0390

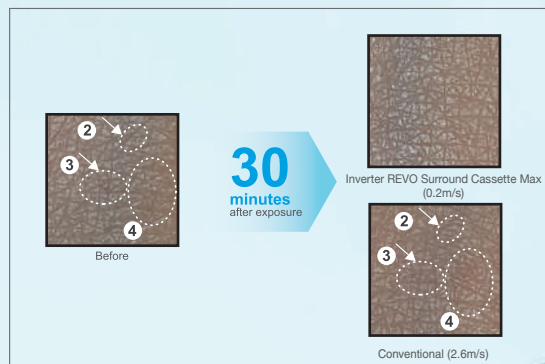
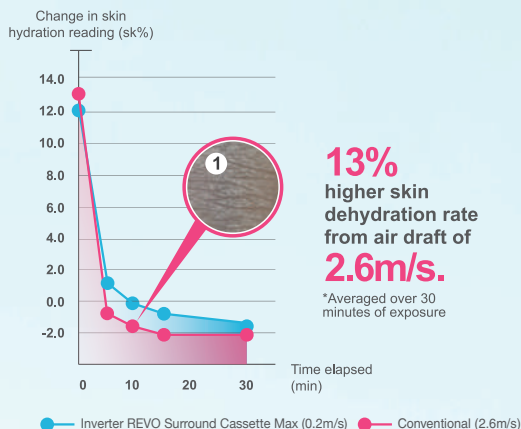
**Test Method:**  
The antibacterial testing method from New Concept Ceiling Cassette was based on JEM 1467 (Appendix F) standard, conducted in a room with volume of 31.2m<sup>3</sup>.

**Test Result:**  
The ceiling cassette unit, which has Streamer irradiation on the Titanium Apatite (TiAP), was able to give bacteria reduction 99.96% after exposure of 4 hours.



## Skin Hydration by Draftness Air

On the average, users of conventional ceiling cassettes showed 13% higher skin dehydration rates after exposure of 30 minutes at 2.6m/s of strong direct air draft, which causes formation of longer and wider lines on the skin surface. In comparison, the Inverter REVO Surround Cassette Max delivers ideal gentle cooling solution at 0.2m/s air movement which reduces the skin dryness and discomfort.



### Testing Organization:

Daikin Research and Development Malaysia Sdn Bhd

### Test Number:

RG-2021-002

### Test Method:

The test examines the effect of air draft on 14 volunteers (9 Males & 5 Females) in a controlled ambient environment using the skin moisture meter and ambient condition: 27°C, RH47% and the readings taken during 30 minutes of exposure.

- Inverter REVO Surround Cassette Max → gentle air draft of 0.2m/s
- Conventional Cassette → strong direct air draft of 2.6m/s

### Test Result:

From the test result, after exposing to 0.2m/s gentle indirect air draft from Inverter REVO Surround Cassette Max for 30 minutes, there was no significant difference in skin appearance and no formation of long and wide lines on the skin. Conversely, after 10 minutes of exposure to 2.6m/s direct air draft from the conventional cassette, ① long fine lines were observed on the skin. Then after 30 minutes, ② sulcus cutis (lines on the skin) becomes wider with rough edges, ③ crista cutis (surface between lines) becomes smaller and rough, and ④ additional wide lines in small area is visible. These combination causes the skin to look dull and rough.

Remarks: The test result may vary based on a different room and condition.



# Control

Redefine control by using GO Daikin on your smart phone or tablet to manage and control the REVO Max Inverter Surround Cassette no matter where you are.



## GO CONVENIENCE

In-home & Out-of-home function allows you to control your AC at anywhere anytime.

Weekly scheduling allows you to set your AC at your preferred timing at a weekly basis.

## GO SAVE

- Statistical energy usage graphs that allows you to monitor and keep track of your daily energy usage to ensure an efficient AC operation.
- With this, greater savings can be achieved as you can now smartly monitor your AC energy consumption!

\* The energy consumption values are based on averaged data; Monetary values is calculated based on domestic tariff A at 21.8sen/kWh.

## GO COMFORT

Different operational modes allows you to enjoy the different kinds of cooling experience.

## GO SHARE

User control sharing easily allows you to share your AC controls with your family members through a simple QR code scanning.

You can unbind the controls or restrict certain app functions of the AC from your family members at any time you desire.

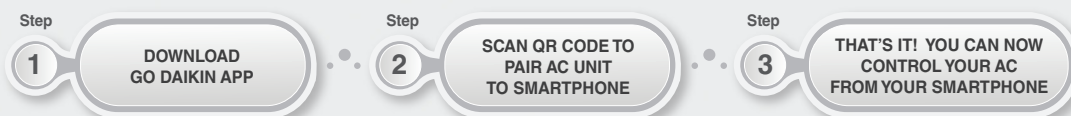
# Stay in control. No matter where you are.

## Smarter Control, Smarter Life

With just a simple WiFi connection, you can connect and control to create the perfect climate at home, anytime, anywhere. It's that easy!

## Simplify your life with **GO DAIKIN**

The GO Daikin application lets you manage Daikin air conditioners hassle-free, helping you create your ideal environment at home while saving energy.



GO DAIKIN

Smart  
Control

Smart Control connect your tablet or smartphone through internet and by accessing GO DAIKIN App.

Scan to download your GO DAIKIN app



Download on the  
App Store



GET IT ON  
Google Play



EXPLORE IT ON  
AppGallery



## New Outdoor Features



RZFG50/60/71A



RZFG85/100A



RZFG125/140A

1

### Improved PCB Voltage Shield with Durable PCB feature



With durable PCB feature, it can further protect PCB

- Class 50/60/71/85/100 (1 phase) - 130-415V
- Class 125/140 (3 phase) - 277-457V

2

### V-cut Propeller Fan

By imitating the grace of a swan, the use of a V-cut propeller fan imitates the smooth airflow of the migratory bird, in turn increasing performance and reducing sound pressure level.



3

### High Durability

Made with an exterior surface from adopted zinc coated heavy gauge galvanised steel finished with weather resistant casing, as well as, longer piping length to ensure long lasting durability.

4

### Longer Piping Length

| Series | Max Piping Length | Max Piping Elevation |
|--------|-------------------|----------------------|
| 50     | 30                | 15                   |
| 60     | 30                | 15                   |
| 71     | 30                | 15                   |
| 85     | 50                | 30                   |
| 100    | 50                | 30                   |
| 125    | 50                | 30                   |
| 140    | 50                | 30                   |

Note: Long piping length to provide installation flexibility

## 5 High Performance Inverter R32 Compressor

Swing compressor providing high efficiency during partial load operation.



## 6 Anti-Corrosion Outdoor Heat Exchanger

The Outdoor units come with anti-corrosion properties with it's gold fin heat exchanger and new corrosion resistant aluminium alloy microchannel heat exchanger.

Remark: Gold fins heat exchanger for RZFG50-71A and microchannel heat exchanger for RZFG85-140A.

## 7 Refrigerant Cooling

Daikin's unique refrigerant cooling system helps to protect the printed circuit board and maintains high cooling capacity even during high outdoor temperatures.

Remarks: For RZFG125/140A only.

## 8 Coated Printed Circuit Boards (PCB)

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

# Technical Specifications

| Model                    |                                | Indoor unit      |          | FCFG50AV1MF           | FCFG60AV1MF           |
|--------------------------|--------------------------------|------------------|----------|-----------------------|-----------------------|
|                          |                                | Outdoor unit     |          | RZFG50AGVMM           | RZFG60AGVMM           |
|                          |                                | Decoration Panel | Wireless | BCR50GMF              | BCR50GMF              |
| Rated Cooling Capacity   |                                |                  | Btu/h    | 18,500 (7,800-19,100) | 20,500 (8,900-21,500) |
|                          |                                |                  | kW       | 5.42 (2.30-5.60)      | 6.00 (2.30-6.30)      |
| Total Power              |                                |                  | W        | 1,680                 | 1,960                 |
| Total Current            |                                |                  | A        | 7.37                  | 8.55                  |
| CSPF                     |                                |                  | W/W      | 4.47                  | 4.34                  |
| Power supply             |                                |                  | V/Ph/Hz  | 220-240/1/50          | 220-240/1/50          |
|                          |                                |                  |          | Power from OUTDOOR    | Power from OUTDOOR    |
| Indoor                   | Airflow (H/M/L/Q)              |                  | cfm      | 855/715/595/470       | 855/715/595/470       |
|                          | Sound Pressure Level (H/M/L/Q) |                  | dBA      | 44/40/37/34           | 44/40/37/34           |
|                          | Dimension (H x W x D)          | Unit             | mm       | 246 X 840 X 840       | 246 X 840 X 840       |
|                          | Panel Dimension (H x W x D)    | Unit             | mm       | 135 X 962 X 962       | 135 X 962 X 962       |
|                          | Unit Weight                    | Unit             | kg       | 22.0                  | 22.0                  |
|                          |                                | Panel            | kg       | 8.5                   | 8.5                   |
| Outdoor                  | Sound Pressure Level           |                  | dBA      | 52                    | 52                    |
|                          | Dimension (H x W x D)          |                  | mm       | 615 X 845 X 300       | 615 X 845 X 300       |
|                          | Unit Weight                    |                  | kg       | 37.0                  | 37.0                  |
| Pipe Connection Size     |                                | Liquid           | mm       | 6.4                   | 6.4                   |
| Pipe Connection Size     |                                | Gas              | mm       | 12.7                  | 12.7                  |
| Maximum Piping Length    |                                |                  | m        | 30                    | 30                    |
| Maximum Piping Elevation |                                |                  | m        | 15                    | 15                    |
| Chargeless Piping Length |                                |                  | m        | 10                    | 10                    |

**Remarks**  
\* Due to product innovation, all specifications are subjected to change by the manufacturer without prior notice.  
\* All units are being tested and comply to ISO5151.  
\* Nominal cooling capacity are based on the conditions: 27°C DB / 19°C WB indoor and 35°C DB outdoor.

|                             |           |
|-----------------------------|-----------|
| <b>Comfortable Airflow</b>  |           |
| Surround Airflow Operation  | ●         |
| <b>Comfort Control</b>      |           |
| Auto Fan Speed              | ●         |
| Indoor Unit Quiet Operation | ●         |
| Switchable Fan Speed        | ● 4 steps |
| <b>Operation</b>            |           |
| Programme Dry Function      | ●         |
| Fan Only                    | ●         |
| Cooling                     | ●         |
| ECO+                        | ●         |
| Powerful                    | ●         |
| Sleep                       | ●         |

|                                   |   |
|-----------------------------------|---|
| <b>Lifestyle Convenience</b>      |   |
| Indoor Unit ON/OFF Button         | ● |
| Signal Receiving Sign (R/C)*1     | ● |
| L.E.D. (ON/OFF)*1                 | ● |
| Streamer ON/OFF Button *1         | ● |
| R/C with Backlight *2             | ● |
| Room Temperature Display (R/C) *2 | ● |
| <b>Health &amp; Clean</b>         |   |
| GIN-ION Blue Filter               | ● |
| Streamer                          | ● |
| PM 2.5                            | ● |
| Ceiling Soil Prevention           | ● |
| Washable Grille                   | ● |
| Ionizer                           | ● |

|                                                  |   |
|--------------------------------------------------|---|
| <b>Timer</b>                                     |   |
| Weekly Timer Operation *2                        | ● |
| 24-hour ON/OFF buttonTimer (R/C)*1               | ● |
| <b>Worry Free (Reliability &amp; Durability)</b> |   |
| Auto Restart (After Power Failure)               | ● |
| Self-diagnosis                                   | ● |
| Wiring Error Check Function                      | ● |
| Anti-corrosion Treatment of Outdoor              | ● |
| Exchanger                                        |   |
| Class 50-71 - GOLD Fin                           |   |
| Class 85-140 - MCHE                              |   |
| Durable PCB                                      | ● |
| Class 50-100 - 130-415V                          |   |
| Class 125-140 - 277-457V                         |   |

| FCFG71AV1MF            | FCFG85AV1MF            | FCFG100AV1MF           | FCFG125AV1MF           | FCFG140AV1MF           |
|------------------------|------------------------|------------------------|------------------------|------------------------|
| RZFG71AGVMM            | RZFG85AVMM             | RZFG100AVMM            | RZFG125AY1M            | RZFG140AY1M            |
| BCR50GMF               | BCR50GMF               | BCR50GMF               | BCR50GMF               | BCR50GMF               |
| 24,200 (10,900-27,300) | 30,000 (14,300-34,100) | 36,000 (17,100-38,200) | 42,000 (19,500-47,800) | 48,000 (21,200-52,900) |
| 7.10 (3.20-8.00)       | 8.79 (4.20-10.00)      | 10.55 (5.00-11.20)     | 12.31 (5.70-14.00)     | 14.07 (6.20-15.50)     |
| 2,070                  | 2,710                  | 3,470                  | 4,215                  | 5,455                  |
| 9.07                   | 12.0                   | 15.3                   | 6.48                   | 8.38                   |
| 4.78                   | 4.67                   | 4.68                   | 4.29                   | 4.10                   |
| 220-240/1/50           | 220-240/1/50           | 220-240/1/50           | 380-415/3/50           | 380-415/3/50           |
| Power from OUTDOOR     | Power from OUTDOOR     | Power from OUTDOOR     | Power from OUTDOOR     | Power from OUTDOOR     |
| 855/715/595/470        | 855/715/595/470        | 1,075/960/830/720      | 1,075/960/830/720      | 1,075/960/830/720      |
| 44/40/37/35            | 44/40/37/35            | 48/46/43/40            | 48/46/43/40            | 48/46/43/40            |
| 246 X 840 X 840        | 246 X 840 X 840        | 288 X 840 X 840        | 288 X 840 X 840        | 288 X 840 X 840        |
| 135 X 962 X 962        | 135 X 962 X 962        | 135 X 962 X 962        | 135 X 962 X 962        | 135 X 962 X 962        |
| 22.0                   | 22.0                   | 25.0                   | 25.0                   | 25.0                   |
| 8.5                    | 8.5                    | 8.5                    | 8.5                    | 8.5                    |
| 52                     | 53                     | 54                     | 54                     | 56                     |
| 615 X 845 X 300        | 695 X 930 X 350        | 695 X 930 X 350        | 990 X 940 X 320        | 990 X 940 X 320        |
| 37.0                   | 40.0                   | 40.0                   | 62.0                   | 62.0                   |
| 9.5                    | 9.5                    | 9.5                    | 9.5                    | 9.5                    |
| 15.9                   | 15.9                   | 15.9                   | 15.9                   | 15.9                   |
| 30                     | 50                     | 50                     | 50                     | 50                     |
| 15                     | 30                     | 30                     | 30                     | 30                     |
| 10                     | 15                     | 15                     | 15                     | 15                     |

Flexibility

- Water Pump (Water Drainage Pipe Flexibilty)
- °F/°C Changeover R/C Temperature Display (Factory Setting: °C)
- Pre-charged Piping Length 

Class 50-71- 10m

Class 85-140 - 15m

Remote Control

- BAG
- WIFI (Only compatible with DAMA APP)
- Wireless ARC485A7
- Wired (Optional) BRC51D62

Standard     Optional

\*1. Applicable when wireless remote controller is used.  
\*2: Applicable when wired remote controller is used.

## Note

REVO  
SURROUND CASSETTE  
Max

**DAIKIN MALAYSIA SALES & SERVICE SDN. BHD.**

Call Centre: 1300-88-DAIKIN(324546)

198301014326 (109719-M)

Email: customer\_service@daikin.com.my

|           |                   |                  |            |                  |
|-----------|-------------------|------------------|------------|------------------|
| Branches: | • Kedah           | Tel: 04-730 5670 | • Johor    | Tel: 07-557 7788 |
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