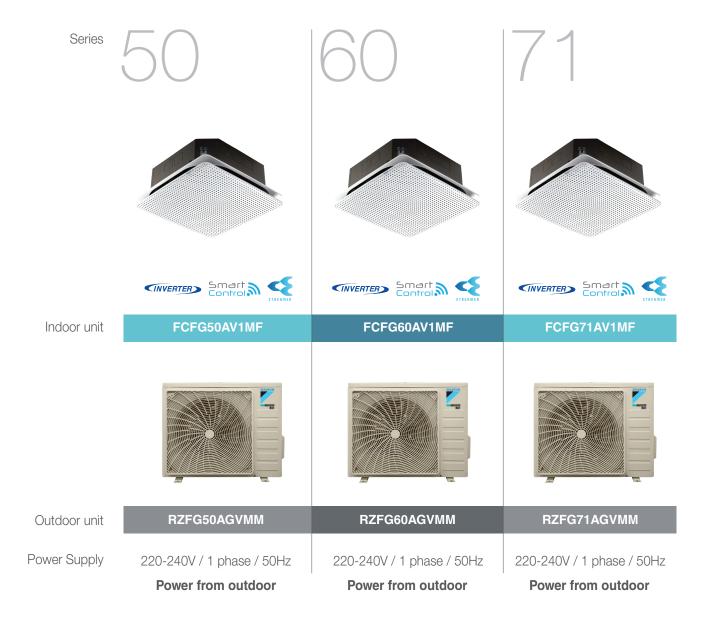




Product Line Up



Control STREAMER Smart Smart CONTROL STREAMER FCFG85AV1MF FCFG100AV1MF FCFG125AV1MF FCFG140AV1MF **RZFG85AVMM RZFG100AVMM** RZFG140AY1M RZFG125AY1M 220-240V / 1 phase / 50Hz 220-240V / 1 phase / 50Hz 380-415V / 3 phase / 50Hz 380-415V / 3 phase / 50Hz Power from outdoor Power from outdoor Power from outdoor Power from outdoor



Heart of the space





Every aspect of the award winning REVO Max Inverter Surround Cassette 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.



Japan's Good Design Award Best 100



Germany's iF Design Award



Slim Remote **Control**

Luminous **LED Lights**

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



Notable temperature display







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-*1

Note:

*1 The number of ions per 1cm³ 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 *¹
 ✓ Skin Friendly *²
 ✓ Non-Toxicity *³
 ✓ Non-Hazardous *⁴
- ✓ Easy Maintenance ✓ No Harm^{*4} ✓ Suitable for Residential & Light Commercial Application
 - ^{*1} The effect stated here is iffect against the virus that attach to the filter in the experimental facility for 2 hours.
- 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)).
- Test Organization: Ningbo Customs District Technology Center. Test Number: 232000034026. Test Method: Acute Oral Toxicity Test. Test Standard: Technical Standard for Disinfection.
- ¹⁴ 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 (µm) 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	Composite Average Particle Size Efficiency,			
Minimum Efficiency	% in Size Range, µm			
Reporting Value	Range 1	Range 2	Range 3	
	(0.3-1.0)	(1.0-3.0)	(3.0-10.0)	
14	≥ 75%	≥ 90%	≥ 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)

Bacteria Reduction Performance Efficiency



Testing Organization:

Tropical Infectious Disease Research Center (TIDREC), Universiti Malaya

Test Number:

TS4-0390

Test Method:

The antibacterial testin g method fro New Concept Ceiling Cassette was based on JEM 1467 (Appendix F) standard, conducted in a room with volume of 31.2m³.

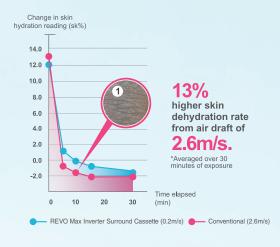
Test Result:

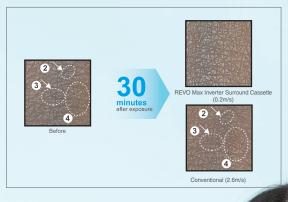
The ceiling cassette unit, which has Streamer irradiation on the Titanium Apatite (TiAP), was able to give bacteria reduction 99.96% after exposure of 4 hours.



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 REVO Max Inverter Surround Cassette 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.

- REVO Max Inverter Surround Cassette → 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 REVO Max Inverter Surround Cassette 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.





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.



- 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.









New Outdoor Features







RZFG50/60/71A

RZFG85/100A

RZFG125/140A

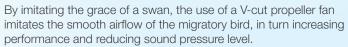
Improved PCB Voltage Shield with Durable PCB feature



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

V-cut Propeller Fan







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.

Longer Piping Length

50 30 15 60 30 15 71 30 15 85 50 30	on
71 30 15	
85 50 30	
00 00	
100 50 30	
125 50 30	
140 50 30	



High Performance Inverter R32 Compressor

Swing compressor providing high efficiency during partial load operation.





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.

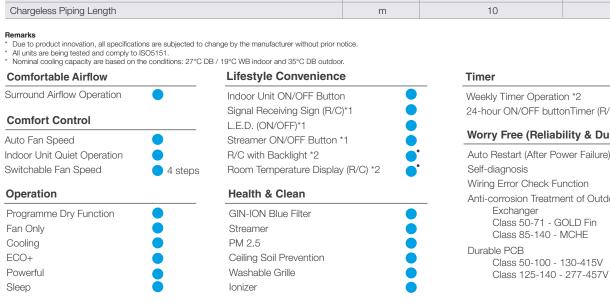


Coated Printed Circuit Boards (PCB)

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 RZFG60AGVMM	
		Outdoor unit	Outdoor unit			
		Decoration Panel	Wireless	BCR50GMF	BCR50GMF	
Datado	!'		Btu/h	18,500 (7,800-19,100)	20,500 (8,900-21,500)	
Rated Co	Rated Cooling Capacity		k/W	5.42 (2.30-5.60)	6.00 (2.30-6.30)	
Total Pov	wer		W	1,680	1,960	
Total Cur	Total Current		А	7.37	8.55	
CSPF	CSPF		W/W	4.47	4.34	
Power si	Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	
1 00061 30			V/F11/ПZ	Power from OUTDOOR	Power from OUTDOOR	
	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	
Indoor	Dimension (H x W x	D) Unit	mm	246 X 840 X 840	246 X 840 X 840	
<u> </u>	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	
	Offit Weight	Panel	kg	8.5	8.5	
ō	Sound Pressure Level		dBA	52	52	
Outdoor	Dimension (H x W x	D)	mm	615 X 845 X 300	615 X 845 X 300	
Q	Unit Weight		kg	37.0	37.0	
Pipe Cor	Pipe Connection Size Liquid		mm	6.4	6.4	
Pipe Cor	Pipe Connection Size Gas		mm	12.7	12.7	
Maximur	Maximum Piping Length		m	30	30	
Maximur	Maximum Piping Elevation		m	15	15	
Chargele	Chargeless Piping Length		m	10	10	





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					
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					
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

Wired (Optional)

ARC485A7 BRC51D62





*1. Applicable when wireless remote controller is used.

*2: Applicable when wired remote controller is used.

Note			



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