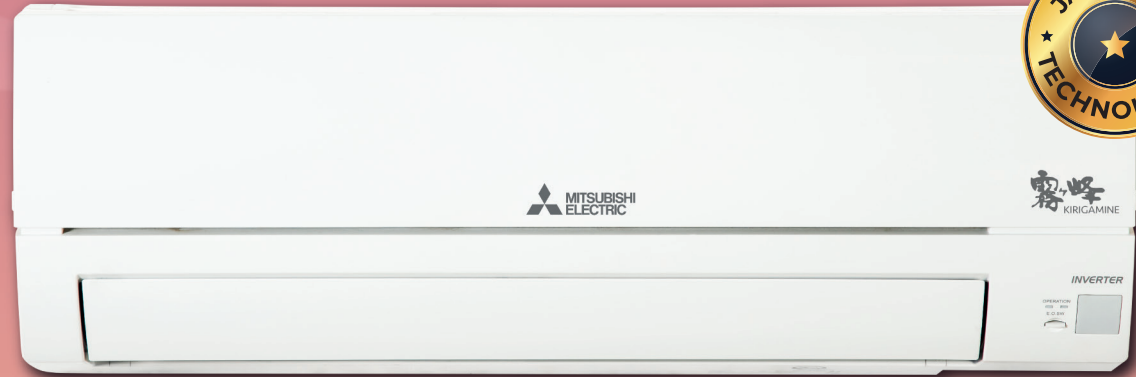


Changes for the Better

**MITSUBISHI
ELECTRIC**
AIR CONDITIONERS

霧峰
KIRIGAMINE



JAPAN'S FAVOURITE NOW IN INDIA!

◆ CLEAN AIR ◆ FAST COOLING ◆ LONG AIR-FLOW



Fast Cooling Mode



PM 2.5 Filter



Dual Barrier Coating



Long Air Flow





ORIGIN OF “KIRIGAMINE”

The Longest-running Air Conditioner Brand



霧峰
KIRIGAMINE

The late 1960s was the phase of “the Japan’s plan to double national income,” which allowed people to significantly raise the standard of living. Under those circumstances, more and more people desired to have a cottage in a summer resort, feeling refreshed in a highland. In order to enhance the association of Air Conditioners with such feeling summer resorts evoke, **Mitsubishi Electric** branded window-mounted types as “**Karuizawa**”, the floor-mounted type as “**Kamikochi**”, and the wall-mounted type as “**Kirigamine**,” all of which were named after famous summer resorts in Suwa City of Japan.

Kirigamine Highlands is an eminent scenic spot with a splendid view of Suwa City in Nagano, **Mt. Fuji**, the Yatsugatake mountain range and alpine flora of each season. With a strong updraft around it, the upland is also known as the birthplace of gliding in Japan.

In spring 2017, “**Kirigamine**,” in honor of the brand’s 50th anniversary, was awarded a letter of gratitude from Suwa City for its contribution towards enhancing tourism & making Suwa City a popular tourist destination in Japan.

Mitsubishi Electric will continue to dedicate itself to deliver refreshing comfort to all customers, thus enabling them to feel as if they were in **Kirigamine Highlands**.

霧峰
KIRIGAMINE



霧峰
KIRIGAMINE



Window type
Karuizawa



Floor standing
Kamikochi



Wall mounted
Kirigamine

MITSUBISHI ELECTRIC

Timeline of Progress

1954

Room Air Conditioners production started

1960

Introduced premium range of Air Conditioners: Window type as "Karuzawa" & Floor Mounted type as "Kamikochi"

1961

First in the industry to begin sales of **heat pump Air Conditioners** for residential use

1967

Exclusive premium range "Kirigamine" introduced for wall mounted type Air Conditioner

1968

First in the world to begin sales of separate wall Air Conditioners with **built-in "Line-Flow Fan"**

1971

Introduced **Japan's quietest, light all-plastic Air Conditioner**

1975

Introduced **slim Air Conditioner** with depth of 17cm.

1978

Introduced industry's first mounted "**Green Sign**" **temperature indicator**

1984

Introduced inverter-driven Air Conditioner with **wireless remote control** and **automatic ventilation flaps**

1986

Introduced body temperature control via "**automatic temperature control feature**"

1988

Introduced "**Twin-Fan Air Conditioner**" as the pioneer of comfortable air flow

1994

Introduced "**Panorama Eye**" (built-in sensor to detect location of people)

1995

Introduced "**Wide & Long Energy-saving**" Kirigamine with 120° wide air flow and industry top level energy saving

2000

Introduced "**I Feel Kirigamine**" equipped with the "**I Feel**" **multi-sensor system**, including the industry's first heat sensor to measure the temperature felt by room occupants

2005

Introduced the "**Kirigamine i-see Sensor (Move Eye)**" for wide-area living spaces

2007

Introduced the 8 Series equipped with the **human-sensing i-see sensor (Move Eye)** and **automatic cleaning** functions. Released the "**Zubdan Kirigamine**" specified for the use in cold areas

2010

MITSUBISHI ELECTRIC INDIA operations started

2012

Introduced the "**Hybrid Kirigamine**, which saves energy by automatically switching between '**cooling and heating**' and '**ventilation**'"

2016

World's first '**Personal Twin Flow**' with different temperatures in the room

2017

Introduced **GN series with Dual Barrier Coating** feature first time in India

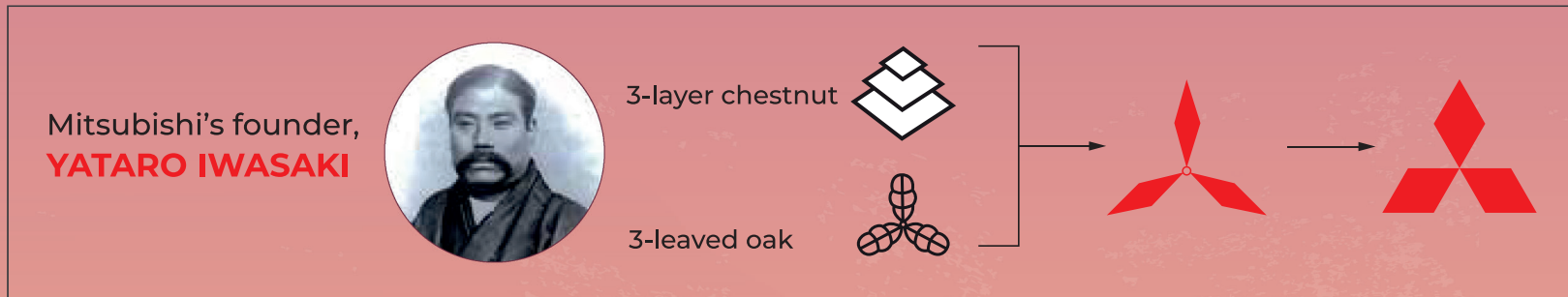
2019

Introduced **tropical inverter GRT series** in India

2021

New **Kirigamine Models** introduced in India

Mitsubishi Electric Corporation is an independent company like any other Mitsubishi group companies. It bears no legal affiliation to other companies that have the word "Mitsubishi" in their name or using the same logo except Mitsubishi Electric Group companies.



Our origins can be tracked back to Yataro Iwasaki (1835-1885), the founder of the Mitsubishi Group, from which Mitsubishi Electric was born. His philosophy of justice and duty to society is summarized in a creed articulated by Koyata Iwasaki, the fourth president of the Mitsubishi Electric and other Mitsubishi companies share these three tenets of Iwasaki's management philosophy.

- Corporate Responsibility to Society
- Integrity and Fairness
- Global Understanding through Business

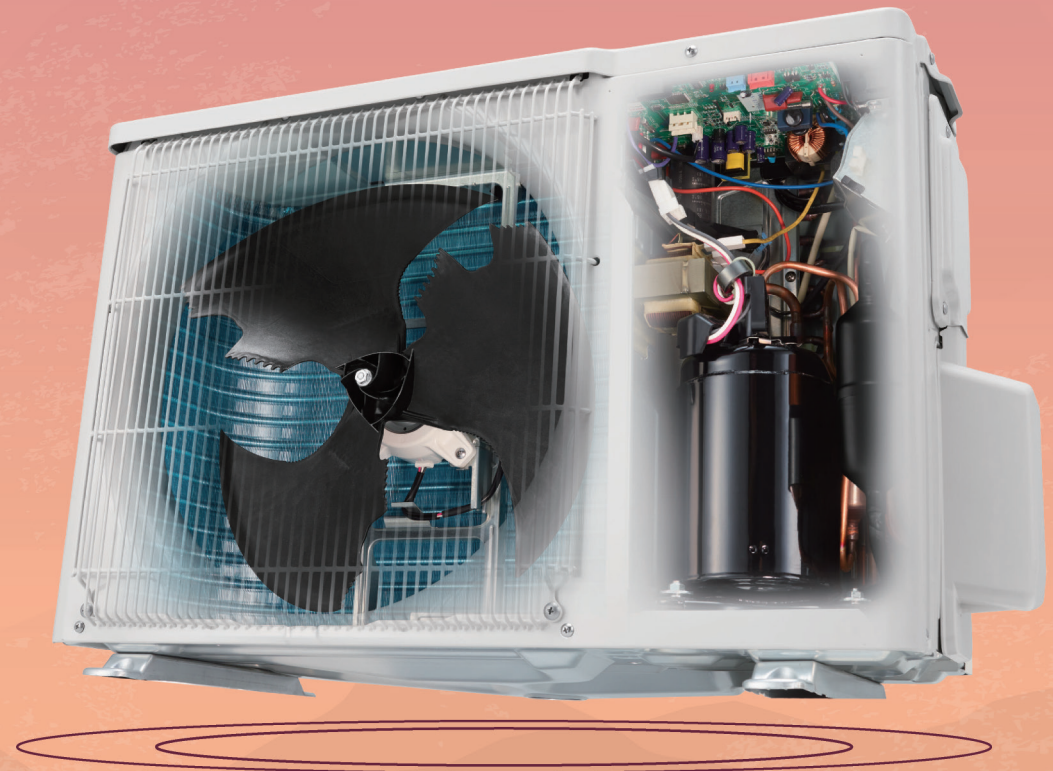
Guided by this common heritage, Mitsubishi Electric transforms these words into action, pursuing thorough going compliance and a variety of philanthropic and environmental activities around the world.

MITSUBISHI ELECTRIC

Advanced ME Inverter Technology

Mitsubishi Electric leverages its **cutting-edge production technologies** to manufacture world-class products in its **state-of-the-art assembly lines** ensuring complete peace of mind for its customers across the globe.

Capitalizing on our **century-old experience and expertise** in understanding customer needs, we manufacture our own key components like **Inverter Power Module, Compressors, Propeller Fan, DC Motors, etc.** Our **advanced inverter technologies** have enabled us to achieve powerful and desired cooling comfort without compromising on **energy efficiency**.



MITSUBISHI ELECTRIC

Compressor

The compressor is the heart of the Air Conditioner. Employing Mitsubishi Electric's proprietary technology, we are able to achieve both high efficiency and high power.



► Poki-Poki Motor



Dramatically enhanced motor efficiency utilising original dense winding technology.

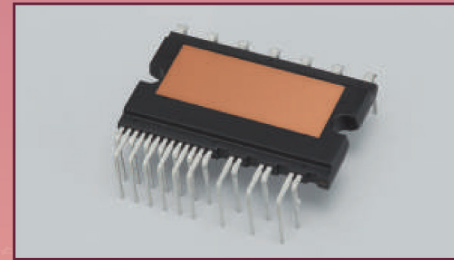
► Heat Caulking



Original heat caulking method minimizes cylinder distortion for even greater efficiency.

MITSUBISHI ELECTRIC

Inverter Power Module



The Inverter Power Module is the brain of the Air Conditioner. It minimizes power consumption by adjusting the frequency.

MITSUBISHI ELECTRIC

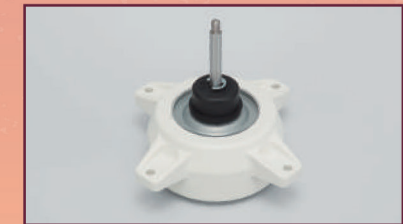
Propeller Fan and DC Fan Motor

► Propeller Fan



Newly designed propeller fan maximizes airflow efficiency. It delivers the most air volume with the least noise.

► DC Fan Motor



A highly efficient DC Fan motor drives the fan of the outdoor unit. Efficiency is much higher than an equivalent AC motor.

FAST COOLING



Mitsubishi Electric, a global leader in Air Conditioning, understands its customer requirement better than anyone else.

At Mitsubishi Electric, we invest great care in designing our product features, Instant relief from scorching heat is one such desire met successfully through the Fast Cooling feature in our Air Conditioners provided just at the click of a button.



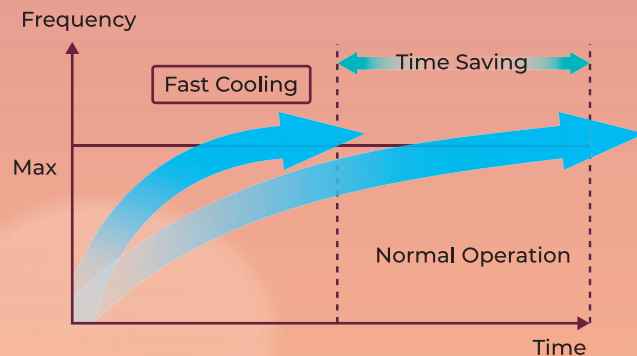
01 Fast Cooling Button

Once activated, this mode continues for 15 minutes.



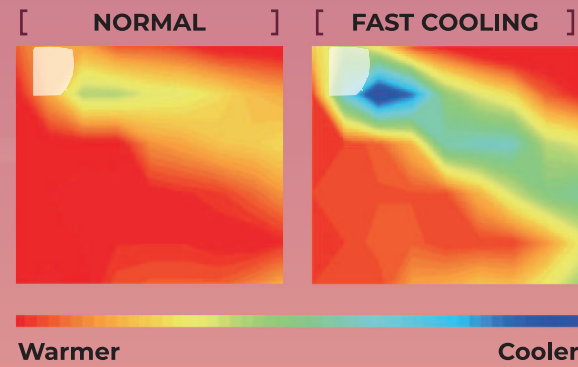
Fast Cooling mode starts immediately with the push of a button. According to preference, air direction can be changed freely.

03 Compressor Frequency Image



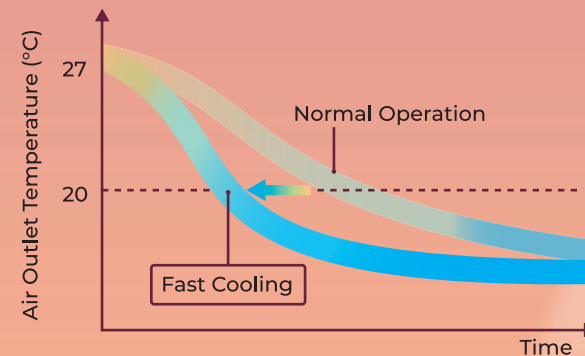
Pressing the Fast Cooling button makes the compressor reach its maximum frequency remarkably faster than in Normal Operation.

02 Thermography



Quickly cools the room with the highest-volume, and low-temperature air blow at 2 min. after operation.

04 Air Outlet Temperature



Lowers the air outlet temperature faster than Inverter Normal Operation.



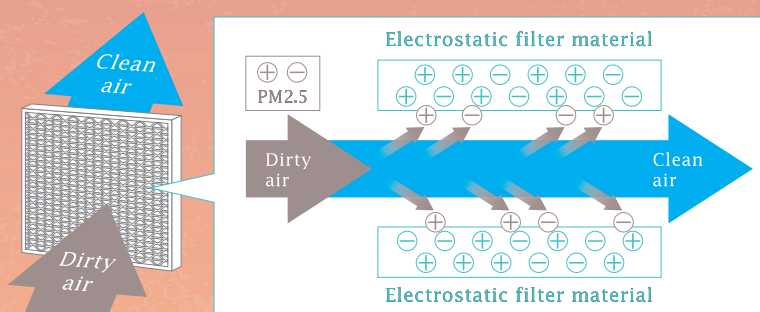
Micro Particle Catching Filter (PM 2.5) and High Density Filter

Effectively eliminates floating PM2.5 and smaller dust particles.



01 Micro Particle Catching Filter¹

Effectively catches floating PM 2.5 particles to maintain clean air in the room.



Electrostatic material removes PM 2.5 from the air and absorbs it when passing through the filter.

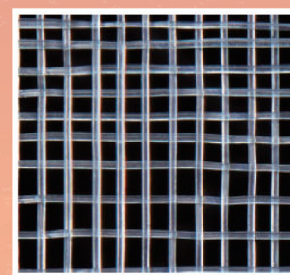


[Model Name]
MAC-EMF515FT-E

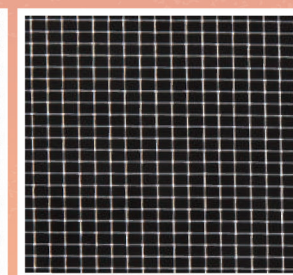
02 High Density Filter²

High Density Filter can prevent smaller dust particles from entering inside Air Conditioners.

► Comparison of density of filters



Standard Filter



High Density Filter
(Optional parts)

[Model Name] MAC-HDJ519FT-E
MAC-HDH519FT-E

¹ 1 part available only

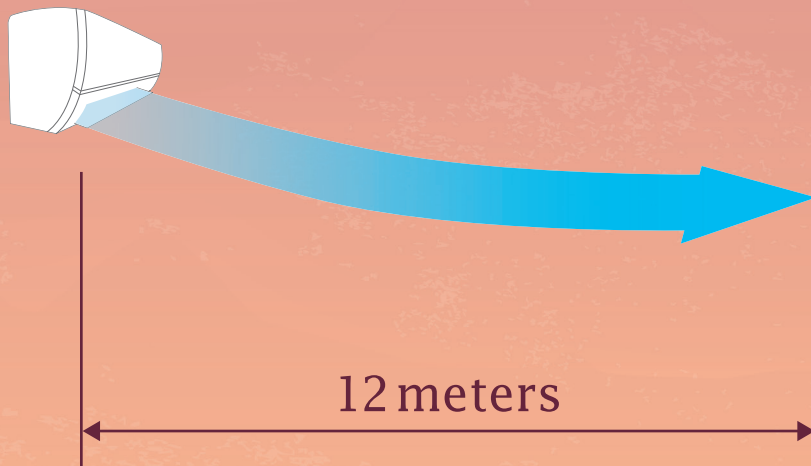
² Optional part




Long Air Flow

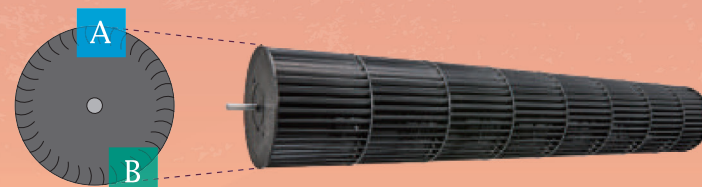
Delivers substantial and comfortable airflow

Delivers Long and comfortable airflow upto 12m¹ suitable for living rooms.

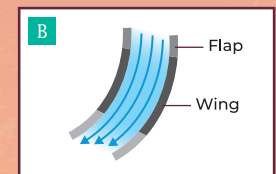
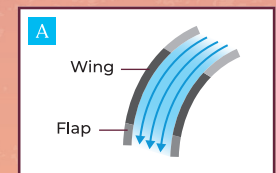


 MITSUBISHI ELECTRIC launched the World's First* Room Air Conditioner equipped with Cross Flow Fan in 1968.
* Based on Euromonitor International research

| Cross Flow Fan Technology



[CROSS FLOW FAN]

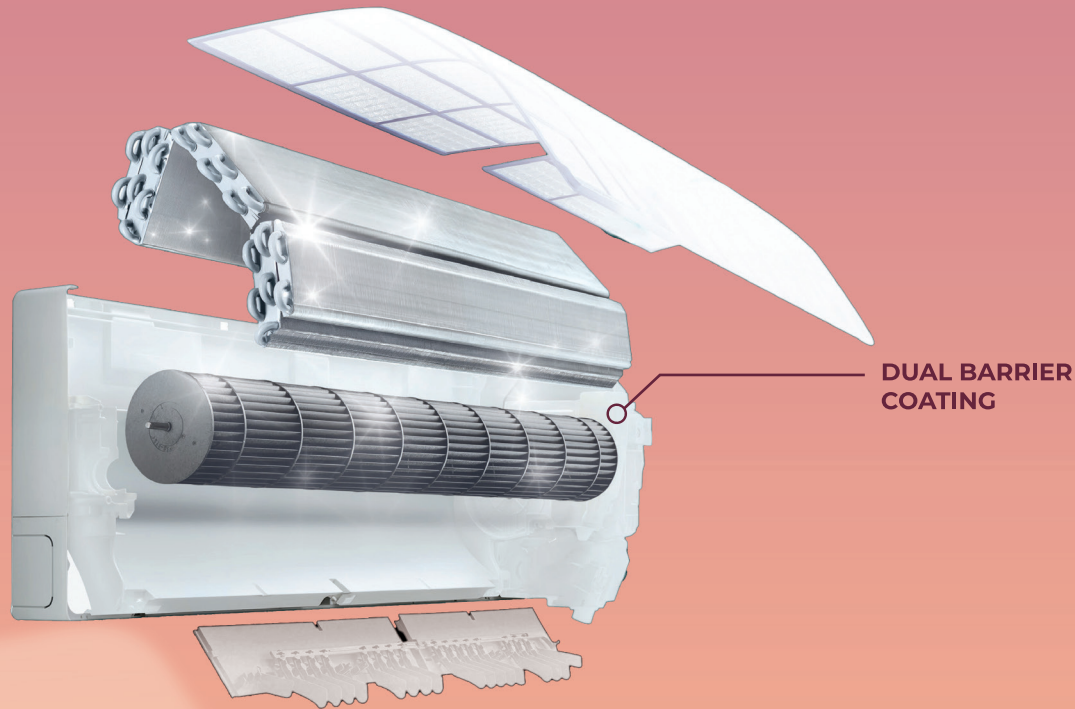


Our unique Cross-Flow Fan construction guides air smoothly along each rotating wing as it simultaneously intakes and expels air. This allows for highly efficient delivery of powerful and refreshing airflow.

¹Available in MSY-RJS18/22

Dual Barrier Coating

Dual Barrier Coating prevents dust and greasy dirt from getting into the Air Conditioner*

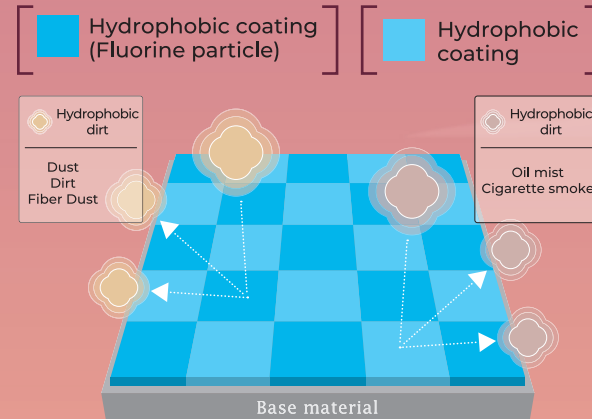


If the inside of your Air Conditioner gets dirty.



State-of-the-art coating technology

Dual Barrier Coating both types of dirt



Comparison of Dirt on Fan

[FAN]

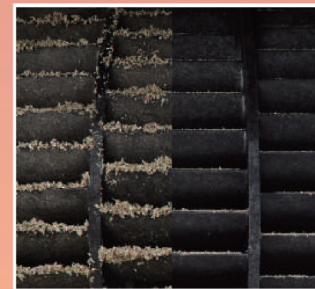


Image after 10 years

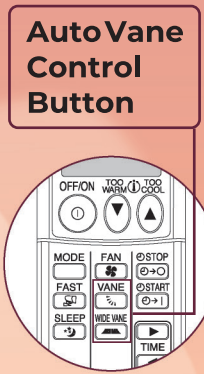
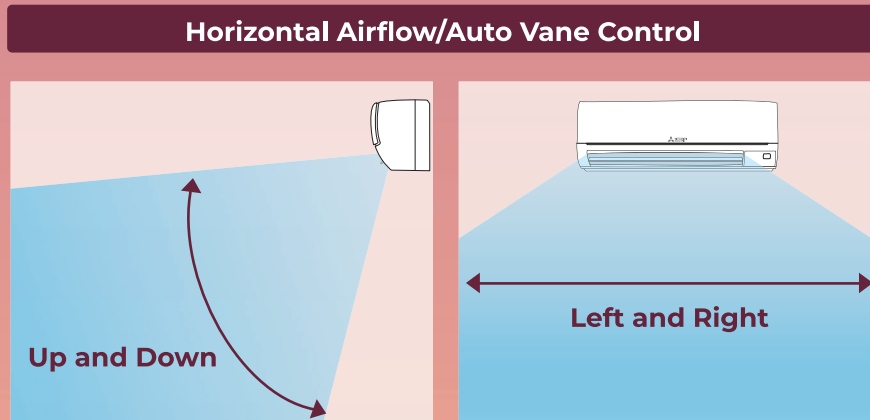
Dual Barrier Coating used

Dirt is generally classified into two groups. Dual Barrier Coating works as two-barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt.

Auto Vane Control

Up and Down / Left and Right

Auto vanes can be moved left and right, and up and down using the remote controller.



Left and Right

Auto vanes can be set at 5 position and swing.



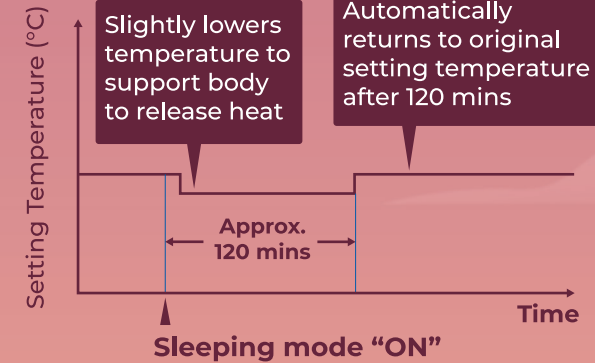
Up and Down

Auto vanes can be set at 5 position and swing.

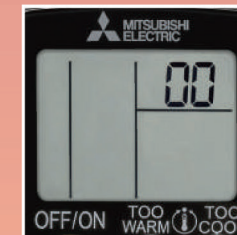


Useful functions

Sleep Mode



Error code display



Error codes are displayed on the remote controller for troubleshooting

*For details, please refer to the operating instructions.

Kirigamine Series



[INDOOR UNIT]

▶ MSY-RJS 13/15 VF



▶ H280 x W838 x D228 (mm)

[REMOTE CONTROLLER]



[Luminous buttons]



▶ MSY-RJS 18/22 VF



▶ H305 x W921 x D263 (mm)



[Luminous buttons]



[OUTDOOR UNIT]

▶ MUY-RJS 13/15 VF



▶ H538 x W699 x D249 (mm)

▶ MUY-RJS 18 VF



▶ H550 x W800 x D285 (mm)

▶ MUY-RJS 22 VF



▶ H714 x W800 x D285 (mm)

Specifications



Fast Cooling Mode



PM 2.5 Filter



Dual Barrier Coating



Long Air Flow



Type	Cooling only					
Model name	Indoor unit		MSY-RJS13VF	MSY-RJS15VF	MSY-RJS18VF	MSY-RJS22VF
	Outdoor unit		MUY-RJS13VF	MUY-RJS15VF	MUY-RJS18VF	MUY-RJS22VF
Refrigerant	R32					
Power supply	Source	Single phase, 230V, 50Hz				
		Outdoor power supply				
Capacity	Rated (Min-Max)	kW	3.6(0.9-3.7)	4.2(1.2-4.2)	5.2(1.5-5.7)	6.6 (1.6-6.7)
	TR	TR	1.00	1.25	1.50	1.9
Total Input	Rated (Min-Max)	kW	1.27(0.30-1.35)	1.44(0.35-1.59)	1.68(0.35-2.04)	2.01 (0.34-2.20)
ISEER			4.15	4.23	4.23	4.22
SPL	Indoor unit (Quiet-Lo-Med-Hi-SHi)	dB(A)	22-28-36-40-43	26-31-37-42-46	26-33-40-44-49	27-37-41-45-51
Air Volume	Indoor unit (Quiet-Lo-Med-Hi-SHi)	CFM	190-247-331-397-452	197-274-352-419-471	230-297-392-459-569	300-399-487-576-660
Operating Current	Rated	A	6	6.7	7.5	9.1
Indoor unit	Dimensions (H x W x D)	mm	280x838x228	280x838x228	305x923x262	305x923x262
	Weight	kg	8.5	8.5	11.5	12.5
Outdoor unit	Dimensions (H x W x D)	mm	538x699x249	538x699x249	550x800x285	714x800x285
	Weight	kg	21	24.5	31.5	37.0
Ext.Piping	Diameter Liquid	mm (inches)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Diameter Gas	mm (inches)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)
	Max.Length Out-In	m	20	20	20	30
	Max.Height Out-In	m	12	12	12	15
Star Rating			3 Star	3 Star	3 Star	3 Star

Pre filter			ANTI-MOLD/HIGH DENSITY FILTER (Option)			
Air cleaning filter			MICROPARTICLE CATCHING FILTER			
Timer			12h	12h	24h	24h
Vertical Swing	Auto		-	-	○	○
	Manual		○	○	-	-
Control wiring (Copper)	ODU to IDU	Core No. x Sq.mm	4C x 1.0	4C x 1.0	4C x 1.0	4C x 1.0
Power cable (Copper)	To ODU	Core No. x Sq.mm	3C x 1.0	3C x 1.0	3C x 1.0	3C x 2.0
ODU Breaker Size	To ODU	A	10	10	10	16

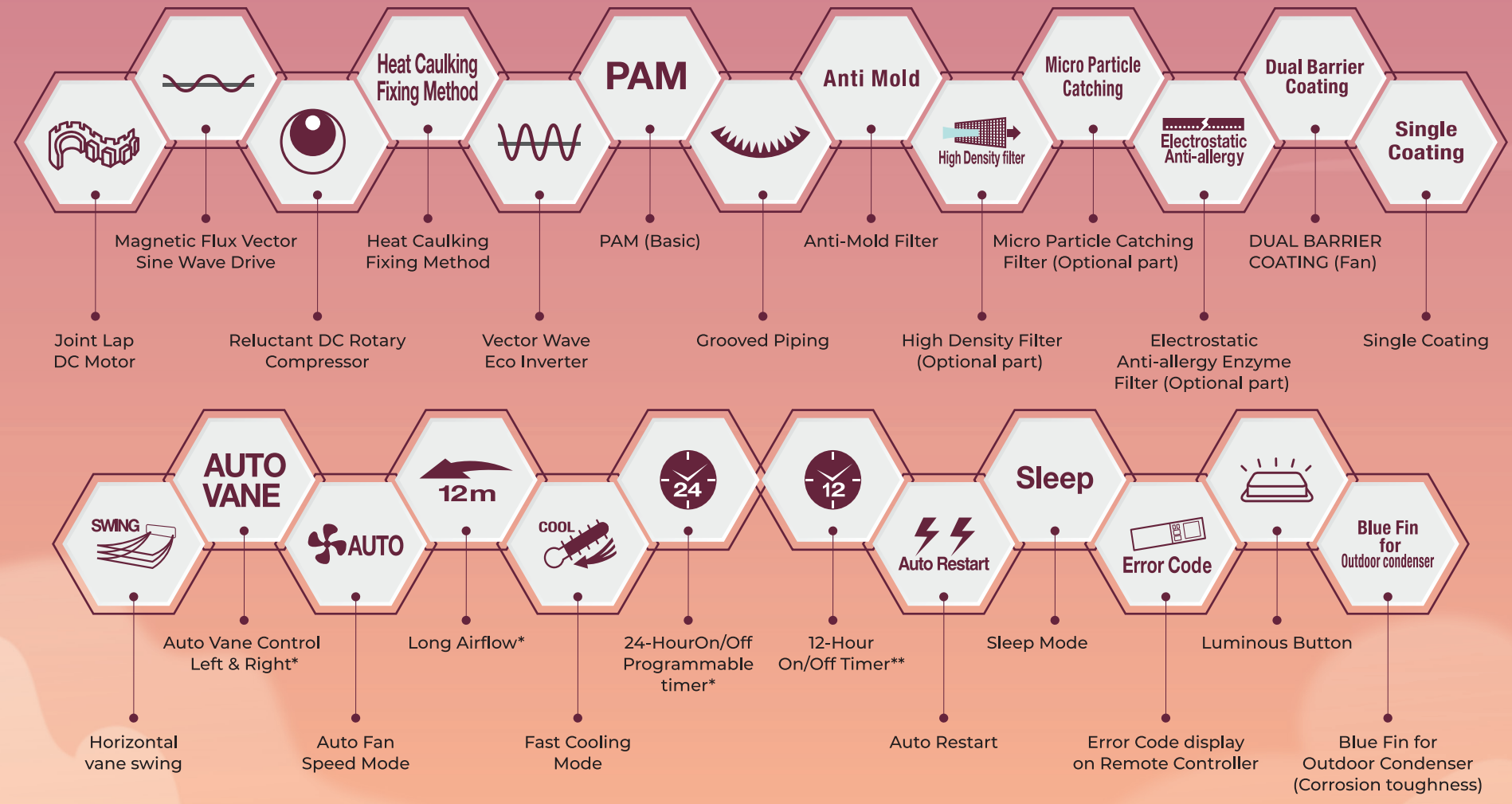
Rating conditions:

Cooling - Indoor: 27°C (80°F) DB, 19°F (66°F) WB, Outdoor: 35°C (95°F)

Refrigerant piping length (one-way): 5.0m (16.4ft)

Total input based on the indicated voltage (indoor/outdoor): 1 phase 230V 50Hz.

Functions and Features



*Only for MSY-RJS18/22VF **Only for MSY-RJS13/15VF

The Perfect Comfort Range

INVERTER RANGE

FIXED SPEED RANGE

MSY-GRT SERIES



Tropical Inverter
OPERATING RANGE 52°C
R32 REFRIGERANT

- Fast Cooling Mode
- Dual Barrier Coating
- LED Backlit Remote
- PM 2.5 Filter

MSY-GR SERIES



R32 REFRIGERANT
DC Inverter

- Fast Cooling Mode
- Dual Barrier Coating
- High CFM*
- PM 2.5 Filter (optional)

MSY-GN SERIES



R32 REFRIGERANT
DC Inverter

- Dual Barrier Coating
- IDU Anti-Corrosion Coating
- Blue Fin (Anti-corrosion)
- Wide & Long Air Flow*

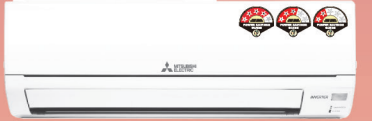
MS-GS SERIES



R32 REFRIGERANT

- 50°C Operating Range
- High CFM
- IDU Anti-Corrosion Coating
- Econo Cool Smart Save

Heat Pump MSZ-HP SERIES



SAVE R410A
DC Inverter

- Heating and Cooling
- Silver-Ion Air Filter (optional)
- IDU Anti-corrosion Coating
- Long Air Flow

MSY-JR SERIES



R32 REFRIGERANT
DC Inverter

- High CFM
- Single Phase
- Auto Vane Control
- Long Air Flow

Kirigamine SERIES



R32 REFRIGERANT
DC Inverter

- Dual Barrier Coating
- Long Air Flow
- PM 2.5 Filter
- Fast Cooling Mode

MS-JP SERIES



R32 REFRIGERANT

- Powerful Cool
- Electronic Metal Housing Box
- Nano Platinum Filter
- 50°C Operating Range

MSY-JP SERIES



R32 REFRIGERANT
DC Inverter

- Powerful Cool
- Dual Barrier Coating
- IDU Anti-corrosion Coating
- Long Air Flow*

The ME Edge: Anti Mold | Nano Platinum Filter | Wide and Long Airflow | Auto Vertical/Horizontal Vane Power Saving | 100% Imported | Unmatched Service | R32 Refrigerant | Blue Fin Condenser



Air Curtain



Cassette Air Conditioner



Ducted Air Conditioner



Jet Towel

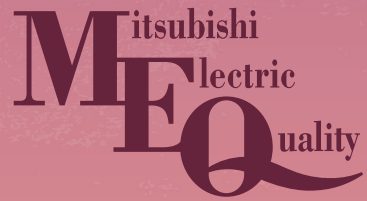


City Multi VRF



Floor Standing

* Available in specific models.

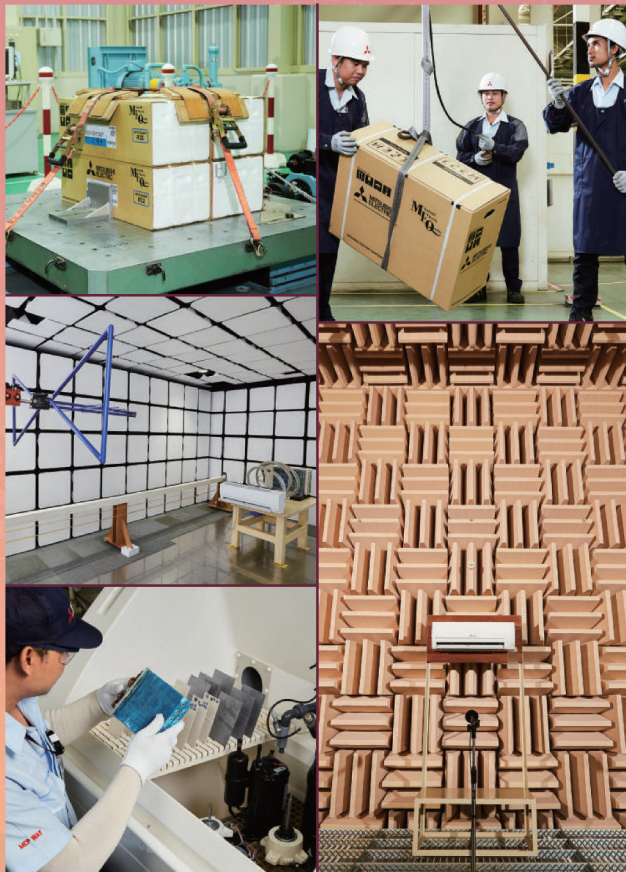


What is MITSUBISHI ELECTRIC Quality? MEQ represents our dedication to excellence in developing and manufacturing exceptional, eco-friendly home appliances, amazing industrial products, reliable public infrastructure systems and inspiring space technologies, which are truly out of this world. And there's so much more. When you see the MEQ logo, you know something good is being created.



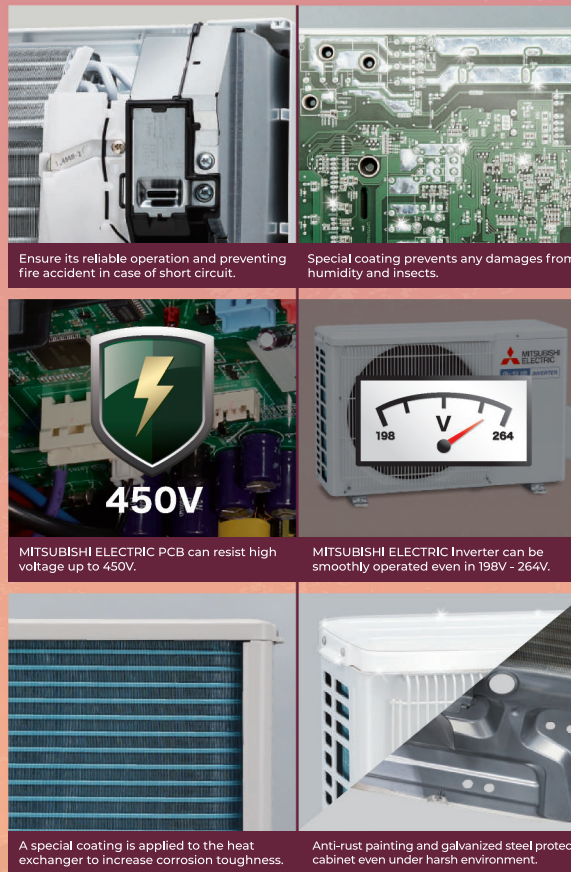
Development

Taking into account the various harsh environments around the world, at MITSUBISHI ELECTRIC we have established uniquely strict quality control standards and various quality evaluation tests for our products.



Design

To ease our customers' minds we invest great care when designing. So that they may use our products with the reassurance that comes through high-quality parts manufacturing and impeccable assembly.



Production

MITSUBISHI ELECTRIC makes full use of its advanced production technology to efficiently produce top-quality products. All our products are inspected by experienced professionals.





霧峰
KIRIGAMINE

mitsubishi electric india pvt. ltd.

HEAD OFFICE: 3rd Floor, Tower A, Global Gateway,
MG Road, Gurugram – 122002 (Haryana)

Tel. No.: (Main): 0124-6739300/ 301

Website: www.MitsubishiElectric.in

Email: customersupport@asia.meap.com

BRANCH/SALES OFFICES:

Ahmedabad: 079-67777888; **Bhubaneswar:** 09073949597;
Bangaluru: 080-40201600; **Coimbatore:** 0422-4385606;
Chandigarh: 0172-4601645; **Chennai:** 044-49232222;
Delhi: 011-66057900; **Ghaziabad:** 011-66057900;
Hyderabad: 040-43438888; **Indore:** 0731-4098991;
Jaipur: 0141-4011109; **Kolkata:** 033-40858800/16-88;
Kochi: 0484-4862093; **Lucknow:** 0522-4002607;
Ludhiana: 0161-4061654; **Mumbai:** 022-66116200;
Nagpur: 09921442323; **Pune:** 09922441773;
Rajkot: 09586605009; **Surat:** 0261-4003111;
Vadodara: 0265-2314699; **Vijaywada:** 08498894567.

SATELLITE OFFICES:

Agra: 09536900140; **Amritsar:** 09780021037;
Aurangabad: 09552572820; **Bhopal:** 08448398010;
Dehradun: 08800878763; **Goa:** 09167113443;
Hubli: 08448398010; **Kanpur:** 07755007767;
Patna: 09073949596; **Raipur:** 08448397997;
Ranchi: 0973949598; **Tirupati:** 09319591931;
Trichy: 09205599022; **Varanasi:** 09336311110;
Vizag: 09205987308

Customer Care Toll Free No.: 1800 102 2626

TECHNICAL CENTRES:

Ahmedabad: 079-67777874; **Bangaluru:** 080-40201600;
Chennai: 044-49232222; **Delhi:** 011-66057900;
Mumbai: 022-66116200



For E-waste Collection & Disposal process: Customer can get complete details of company process on collection, disposal of e-waste product (i.e. 'Mitsubishi Electric' make Air Conditioner) and incentive / exchange scheme for returning of e-waste on [Company website \(www.MitsubishiElectric.in\)](http://Company website (www.MitsubishiElectric.in)) and / or **Toll free number 1800 102 2626.**



- Head Office
- Branch Offices
- Satellite Offices
- Technical Centres
- Sales Offices

*Map for reference purpose only.

*Specifications subject to change without prior notice.