 **MITSUBISHI  
ELECTRIC**  
AIR CONDITIONERS

*Changes for the Better*



**JP**  
Series



**Mr. SLIM**  
New Range of Airconditioners

CREATING  
YOUR **COMFORT**



**DC**  
**Inverter**

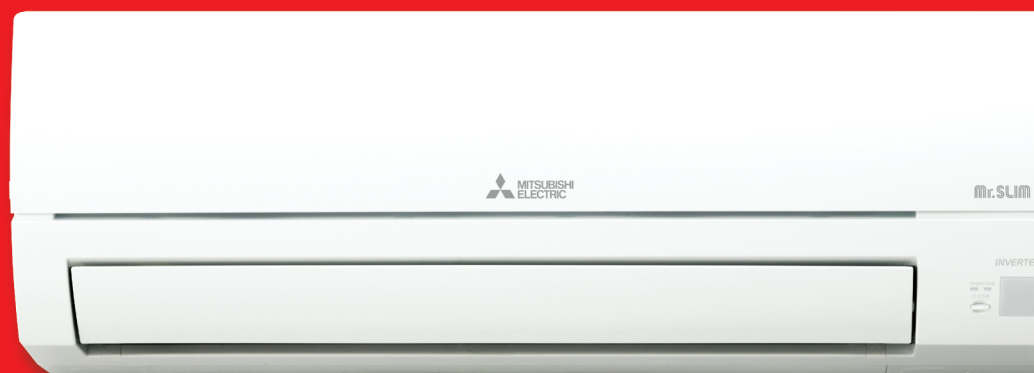




MSY-JP22VF

# JP Series

MITSUBISHI ELECTRIC  
Air Conditioners  
New Mr.SLIM Inverter



MSY-JP10/13/15/18VF

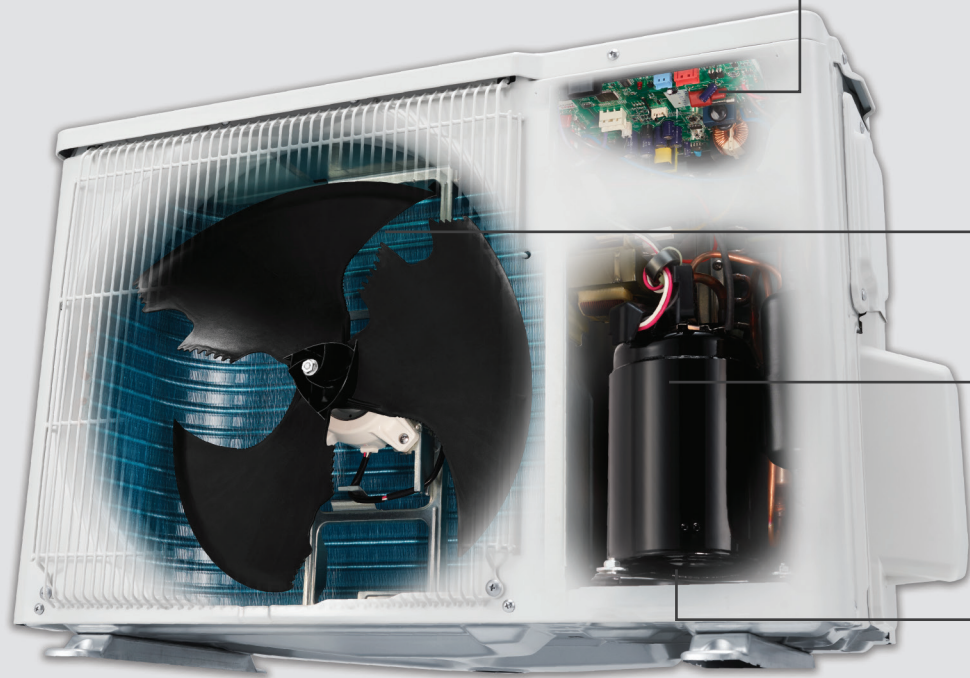
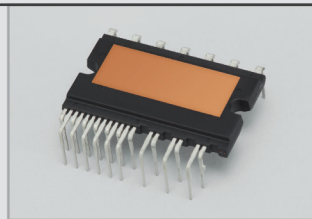
# MITSUBISHI ELECTRIC Inverter Technology

JP Series features advanced inverters that utilize MITSUBISHI ELECTRIC's cutting edge technology, developed worldwide through many years of experience. We have achieved powerful cooling with high energy efficiency, to bring you optimal comfort.

## MITSUBISHI ELECTRIC

### Inverter Power Module

The Inverter Power Module is the brain of the air conditioner. It minimizes power consumption by adjusting the frequency. IPM is developed by MELCO



## 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.

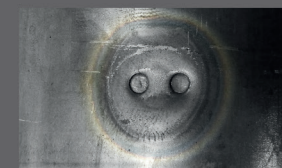
## MITSUBISHI ELECTRIC Compressor

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.



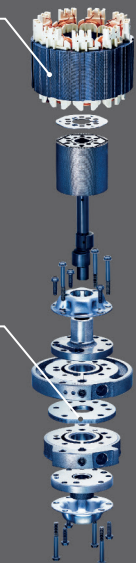
### | Poki-Poki Motor

Dramatically enhanced motor efficiency utilising original dense winding technology. 28% more wire on compared to conventional motor



### | Heat Caulking

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



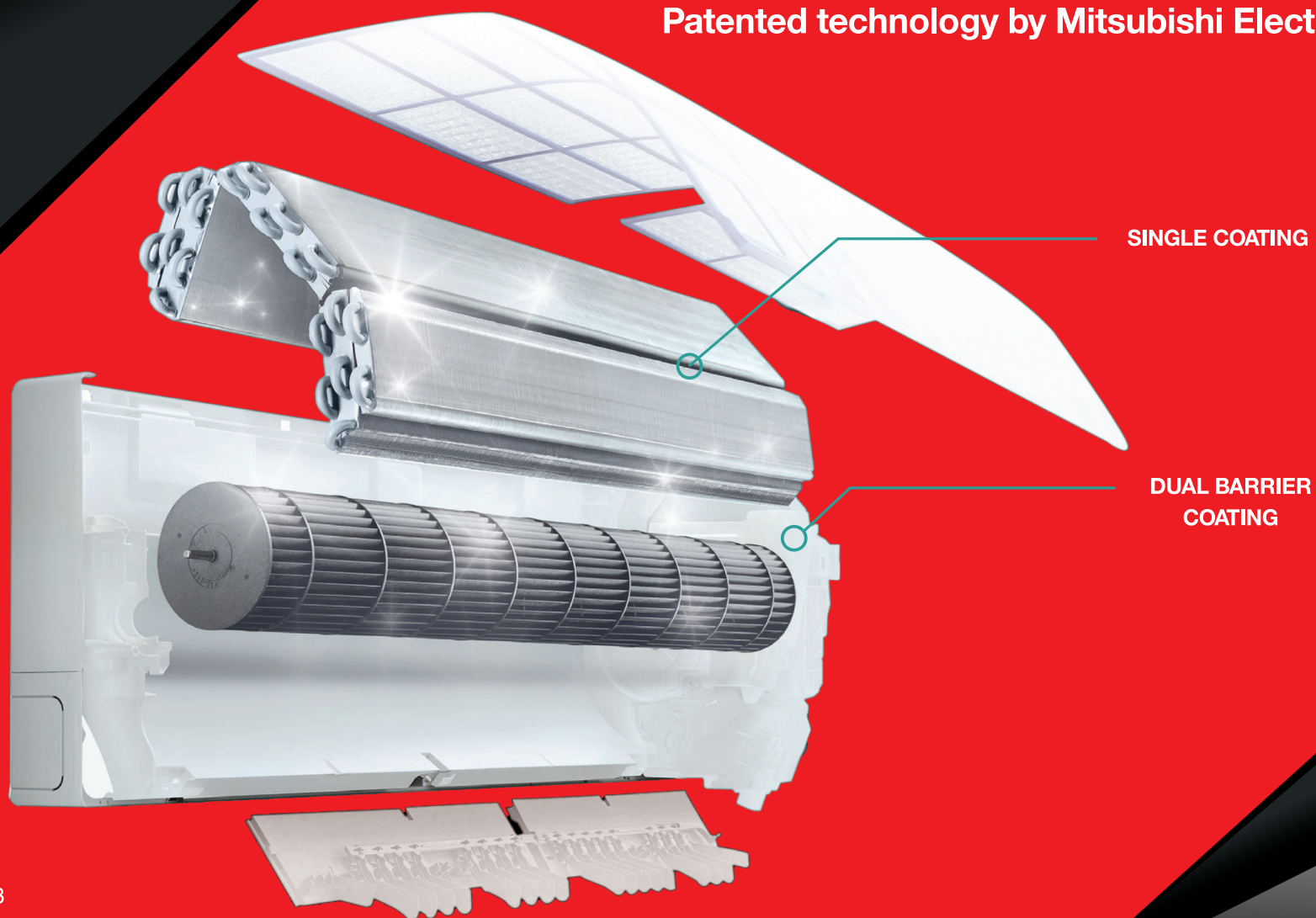
# EASY MAINTENANCE

Mr. SLIM  
INVERTER SERIES

## DUAL BARRIER COATING

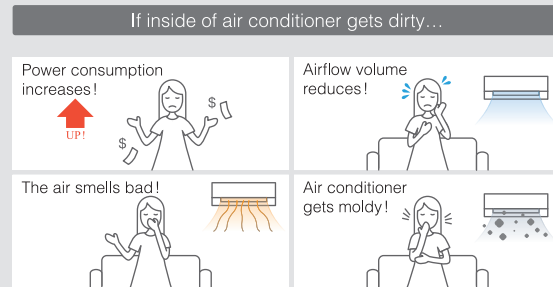
Dual Barrier Coating and single coating prevent dust and greasy dirt from getting into the air conditioner

Patented technology by Mitsubishi Electric - 1<sup>st</sup> in Industry

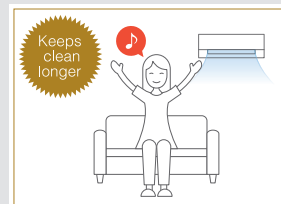


## Dual Barrier Coating

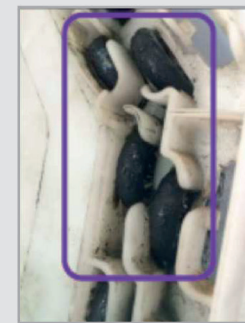
Kept clean for more comfortable room



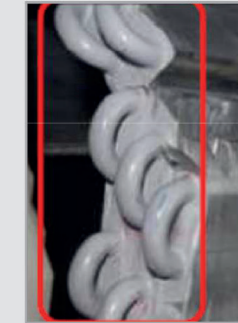
If dirt is left to accumulate it can lead to a “loss of energy conservation due to lower operating efficiency” or “cause the air coming from the air conditioner to smell bad”. Applying the Dual Barrier Coating to the inner surface of the air conditioner prevents dirt from getting in and thus eliminates such problems.



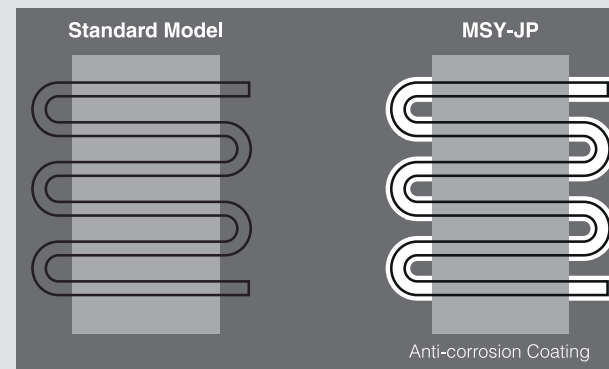
## IDU Anti-corrosion Coating



Before Coating

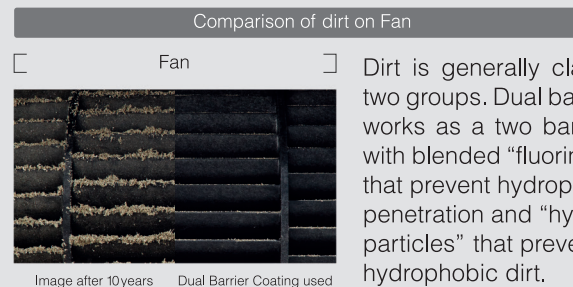
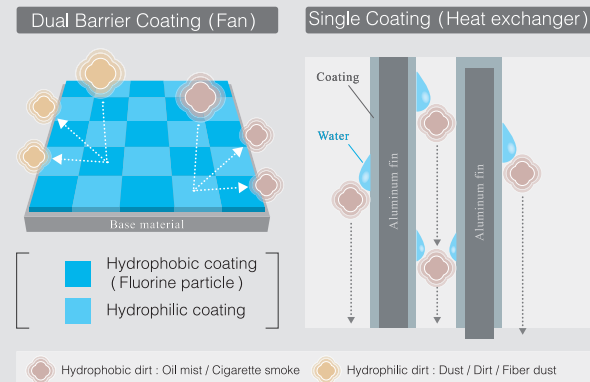


After Coating



'Anti corrosion Coating' is done to prevent gas leakage from AC coil bend which is very frequent in Indian market conditions

## State-of-the-art coating technology



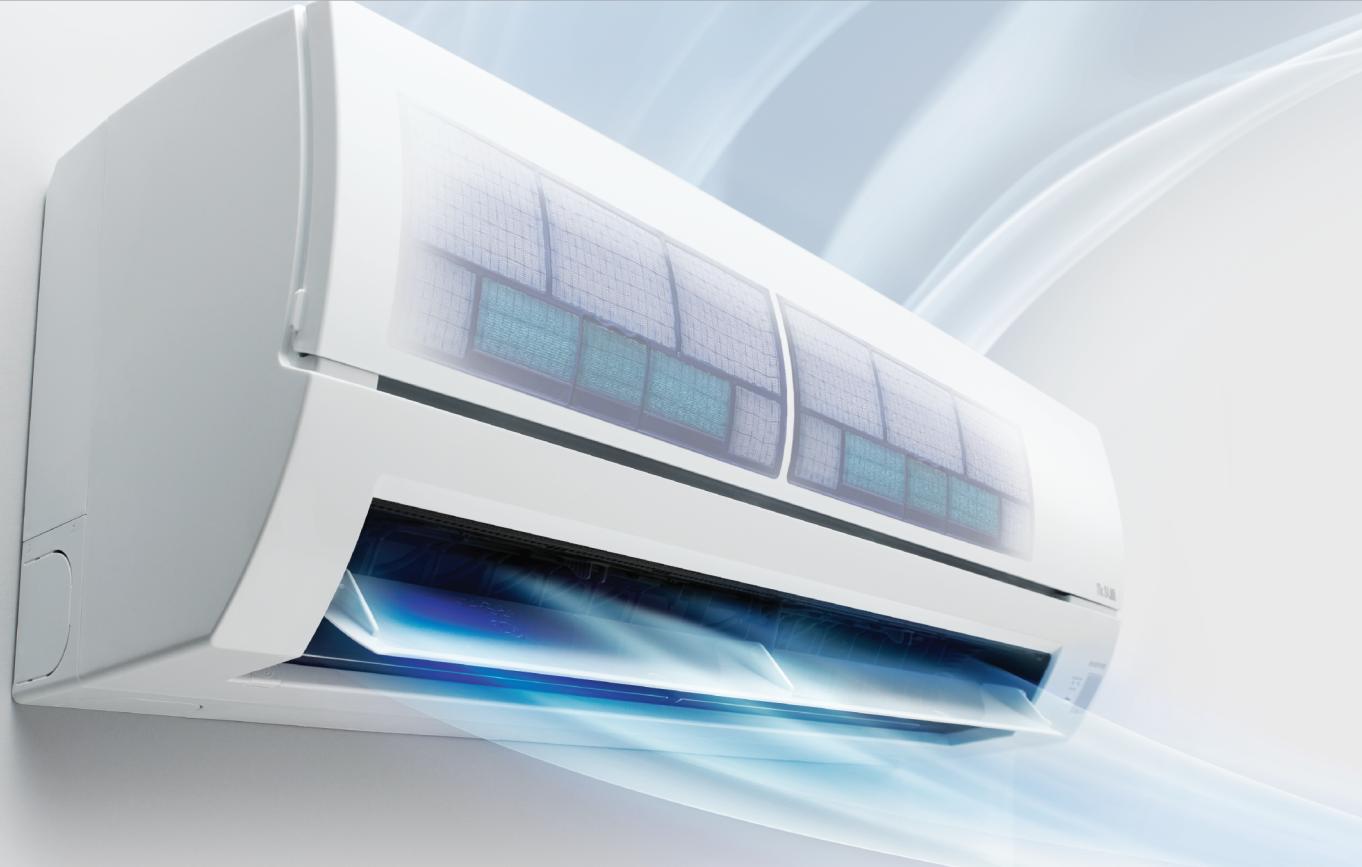
Dirt is generally classified into two groups. Dual barrier coating works as a two barrier coating with blended “fluorine particles” that prevent hydrophilic dirt penetration and “hydrophilic particles” that prevent hydrophobic dirt.

# AIR QUALITY

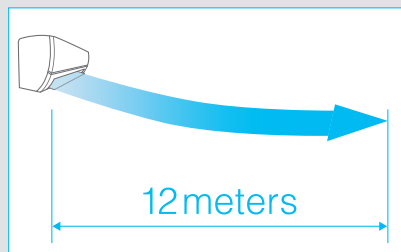
## MICROPARTICLE CATCHING FILTER

(OPTIONAL)

Effectively eliminates PM2.5



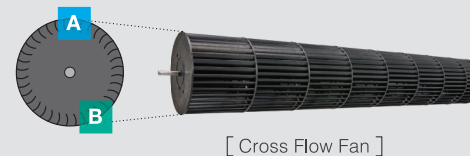
Projects air flow up to 12 meters.  
Suitable even for living rooms.



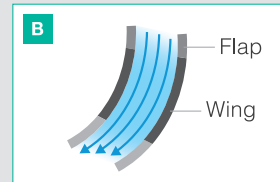
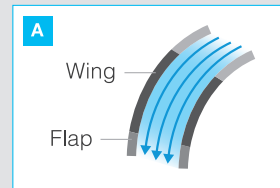
### Model comparison

- MSY-JP 10/13/15/18VF ..... 8m
- MSY-JP22VF ..... 12m

### 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.

## LONG AIR FLOW

Delivers substantial and comfortable airflow

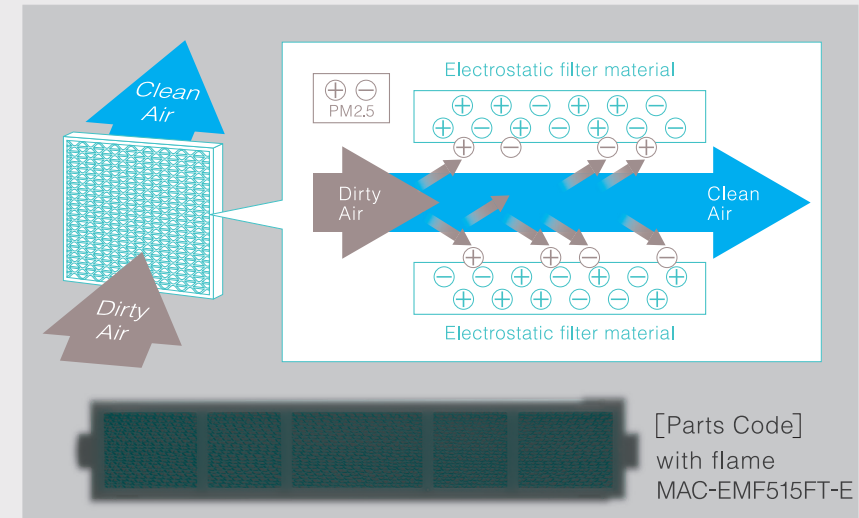


MITSUBISHI ELECTRIC launched the World's First\* Room Air Conditioner equipped with Cross Flow Fan in 1968.

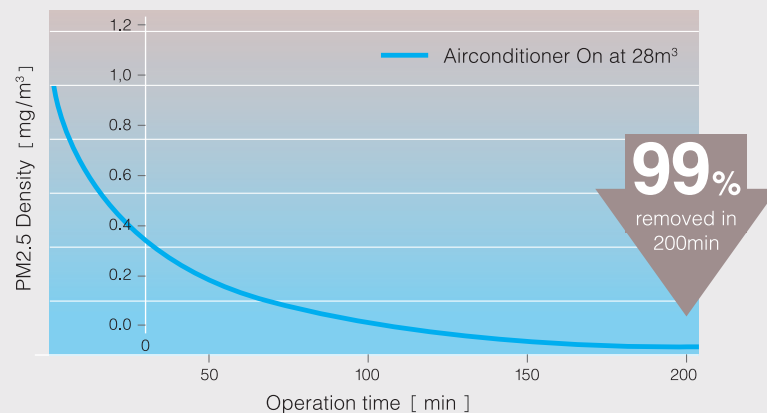
\*Based on Euromonitor International research

Effectively catches floating PM2.5 particles to maintain clean air in the room.

Electrostatic material removes PM2.5 from the air and absorbs it when passing through the filter



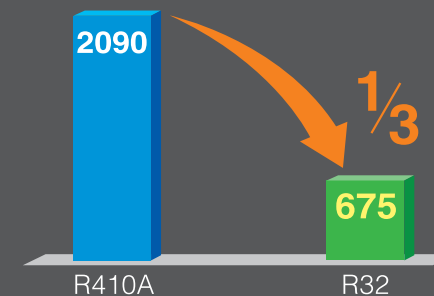
## PM2.5 Removal Efficiency



Test conditions: Removal efficiency of particulates sizes ranging 0.3-2.5µm after operation for 200min using MSY-JP 22VF microparticle catching filter in 28m<sup>3</sup> enclosed space with tidal air circulation volume of 0.5/hr (in-house test)

## Comparison of Global-Warming Potential

New R32 refrigerant has a global warming potential approximately 1/3 that of our current refrigerant, R410A; thereby dramatically reducing the negative impact more than ever. Actively introducing the new R32 refrigerant to suppress global warming, MITSUBISHI ELECTRIC continues to promote manufacturing while considering the environment.

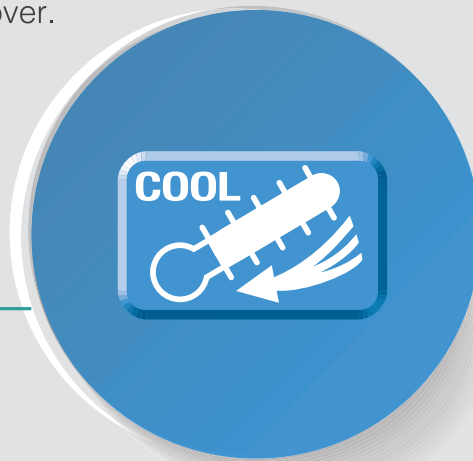


Global-warming potential Approx.



## POWERFUL COOL

Push the Powerful Cool button when you need to cool down quickly, such as when you return home on a hot day, or when you have guests over.



### Powerful Cool

Cooling starts immediately with the push of a button

Once activated, this mode continues for 15 minutes.



12-Hour On/Off timer



Battery Replacement Indicator





# JP Series SPECIFICATIONS

Type	Cooling only					
Model name	Indoor unit		MSY-JP10VF	MSY-JP13VF	MSY-JP18VF	MSY-JP22VF
	Outdoor unit		MUY-JP10VF	MUY-JP13VF	MUY-JP18VF	MUY-JP22VF
Refrigerant	R32					
Power supply	Source					
	Single phase, 230V, 50Hz					
Outdoor power supply						
Capacity	Rated (Min-Max)	kW	2.6 (0.6-2.7)	3.6 (0.9-3.7)	5.2 (1.3-5.3)	6.0 (1.4-6.2)
Total Input	Rated (Min-Max)	kW	0.95 (0.22-1.00)	1.29(0.30-1.35)	1.86(0.31-2.02)	1.95 (0.32-2.20)
ISEER			3.76	3.72	3.70	3.72
SPL	Indoor unit (Quiet-Lo-Med-Hi-SHi)	dB(A)	21-25-31-37-43	22-28-34-40-43	28-33-40-44-49	29-37-41-45-51
Air Volume	Indoor unit (Quiet-Lo-Med-Hi-SHi)	CFM	140-215-280-345-434	190-247-331-397-452	233-317-417-483-538	253-334-417-536-671
Operating Current	Rated	A	4.6	6	8.5	8.7
	Indoor unit	Dimensions (H x W x D)	mm	280x838x228	280x838x228	280x838x228
Outdoor unit	Weight	kg	8	8.5	9	12.5
	Dimensions (H x W x D)	mm	454x660x235	538x698x249	550x800x285	550x800x285
Ext.Piping	Weight	kg	18	22.5	31.5	31.5
	Diameter Liquid	mm (inches)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
Star Rating	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	12
Star Rating			2 star	2 star	2 star	2 star

		ANTI-MOLD				
Pre filter		ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER (Option), MICROPARTICLE CATCHING FILTER (Option)				
Air cleaning filter		ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER (Option), MICROPARTICLE CATCHING FILTER (Option)				
Timer		12h	12h	12h	12h	12h
"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

## FUNCTIONS & FEATURES



Joint Lap DC Motor



Grooved Piping



Horizontal vane swing



Auto Restart



Vector Wave Eco Inverter



Magnetic Flux Vector Sine Wave Drive



Anti-Mold filter



Auto Fan Speed Mode



Blue Fin for Outdoor condenser (Corrosion toughness)



PAM (Basic)



Reluctant DC Rotary Compressor



Electrostatic Anti-allergy Enzyme Filter (Optional parts)



Long Airflow \*MSY-JP22VF



Single Coating



Electronic Metal Housing Box



Econo Cool



Micro Particle Catching Filter (Optional parts)



Dual Barrier Coating



Heat Caulking Fixing Method

Mitsubishi  
MElectric  
EQuality



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.



**SALT SPRAY TEST**  
Performed to control metal part quality



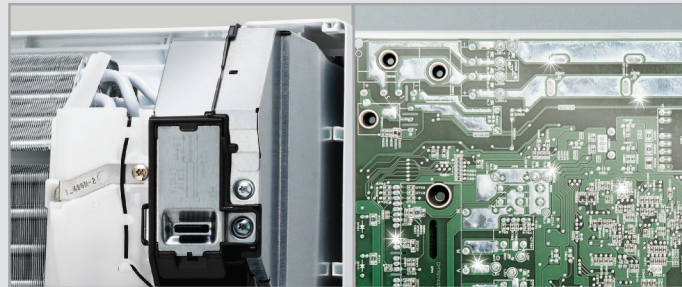
**DROPPING TEST**  
Performed to confirm its packing quality can withstand heavy handling and repeated transportation.



**ANECHOIC CHAMBER NOISE TEST**  
Performed for sound pressure level & power pressure level

# Design

In order to ensure our customers can use our products with peace of mind and for a long time, we select high-quality durable parts, and invest great care when designing and assembling our products.

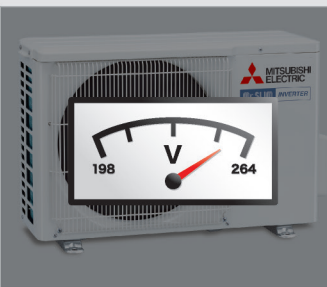


Ensure its reliable operation & preventing fire accident in case of short circuit.

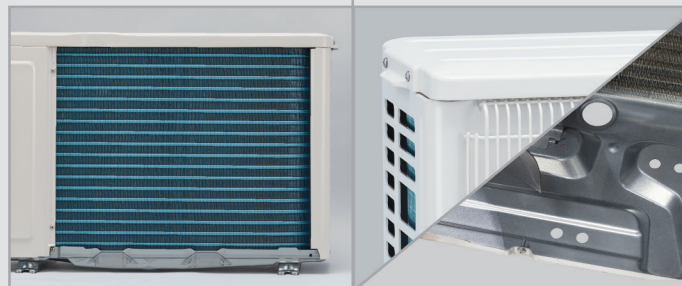
Special coating prevents any damages from humidity and insects



MITSUBISHI ELECTRIC PCB can resist high voltage up to 450V.



MITSUBISHI ELECTRIC Inverter can be smoothly operated even in 198v ~ 264V.



A special coating is applied to the heat exchanger to increase corrosion toughness.

Anti-rust painting & galvanized steel protect cabinet even under harsh environment.

# Production

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



# MITSUBISHI ELECTRIC INDIA PVT. LTD.






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**Customer Care Toll Free No.:** 1800 102 2626

**TECHNICAL CENTRES:** Ahmedabad: 079-67777874; Bengaluru: 080-40201600; Chennai: 044-49232222;  
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 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;  
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 Surat: 0261-4003111; Vadodara: 0265-2314699; Vijaywada: 08498894567.

**SATELLITE OFFICES:** Agra: 09536900140; Amritsar: 09780021037; Aurangabad: 09552572820;  
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 Patna: 09073949596; Raipur: 08448397997; Ranchi: 0973949598; Tirupati: 09319591931; Trichy: 0920559022;  
 Varanasi: 09336311110; Vizag: 09205987308

 \*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://www.MitsubishiElectric.in)) or by calling on **Toll free number 1800 102 2626**.

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

\*Map for reference purpose only.