

 **MITSUBISHI  
ELECTRIC**  
AIR CONDITIONERS



**JP**  
Series  
MITSUBISHI ELECTRIC  
Air Conditioners  
New Mr. SLIM Inverter



*Changes for the Better*

CREATING  
YOUR COMFORT

**DC**  
*Inverter*







MSY-JP 22VF



MSY-JP 10/13/15/18VF

JP  
Series

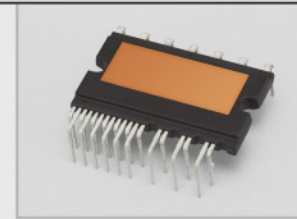
MITSUBISHI ELECTRIC  
Air Conditioners  
New Mr. SLIM Inverter

## 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.

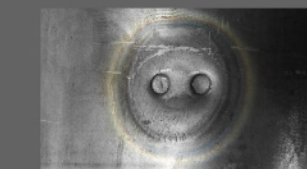
### MITSUBISHI ELECTRIC Compressor

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.





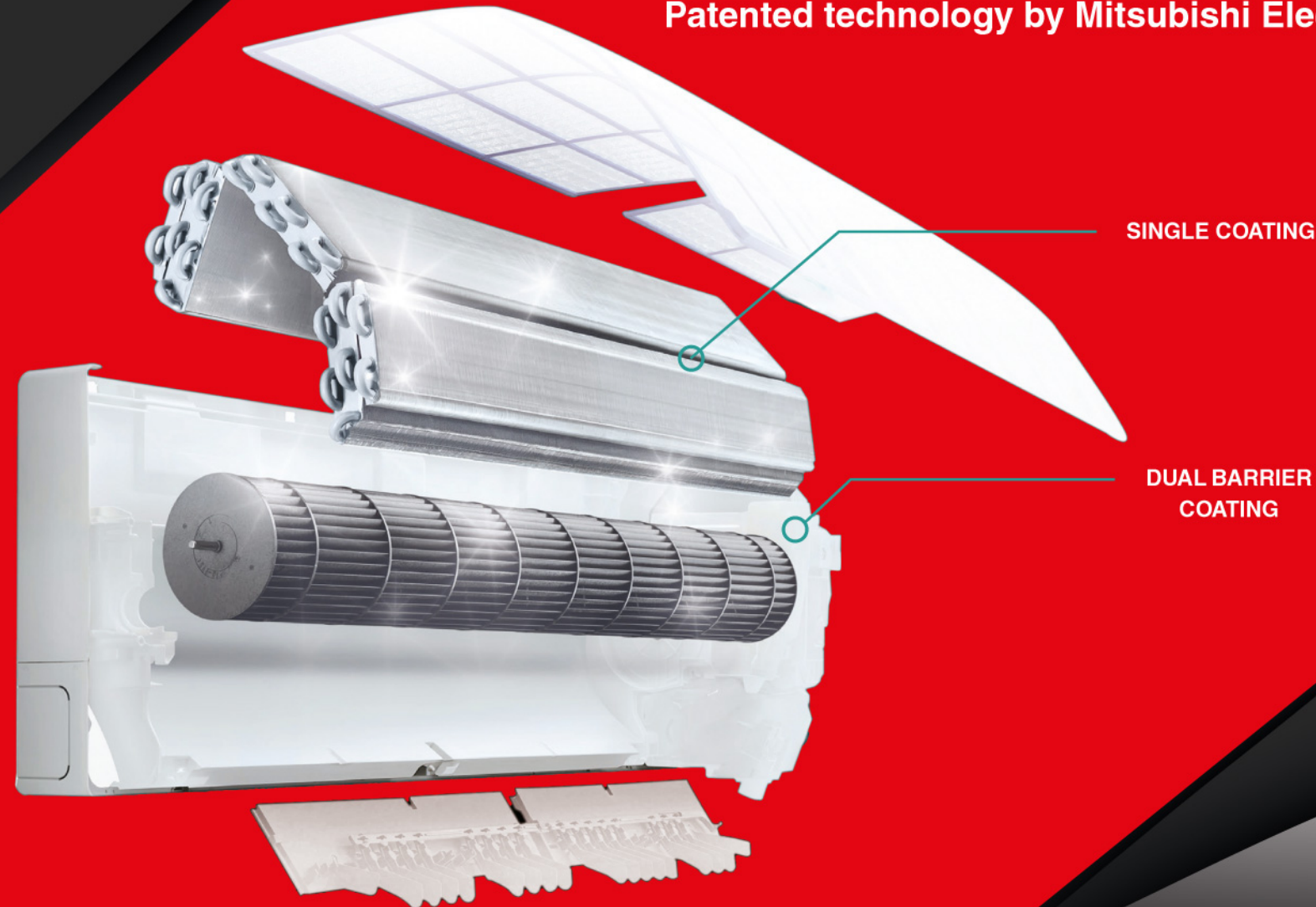
# EASY MAINTENANCE

Mr.SLIM  
INVERTER SERIES

## DUAL BARRIER COATING

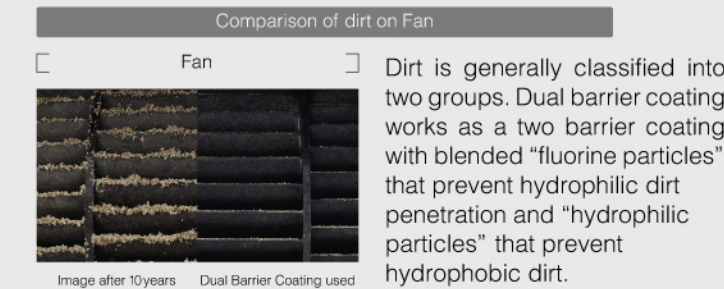
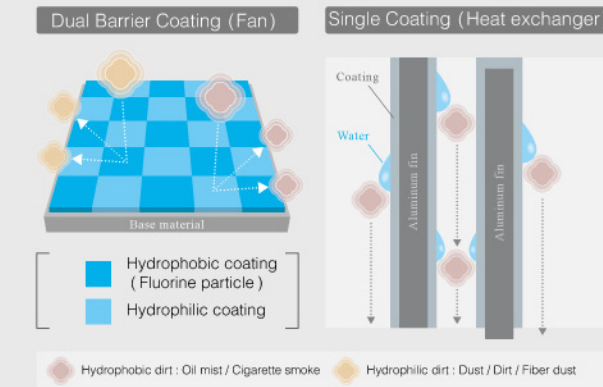
Dual Barrier Coating and single coating prevent dust and greasy dirt from getting into the air conditioner

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

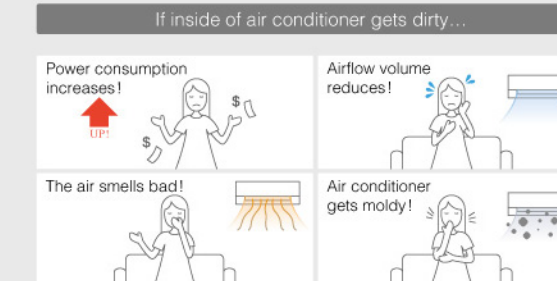


## Dual Barrier Coating

State-of-the-art coating technology



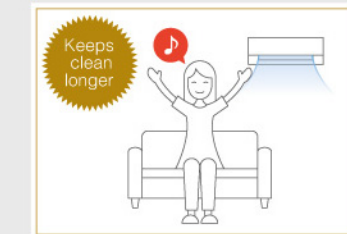
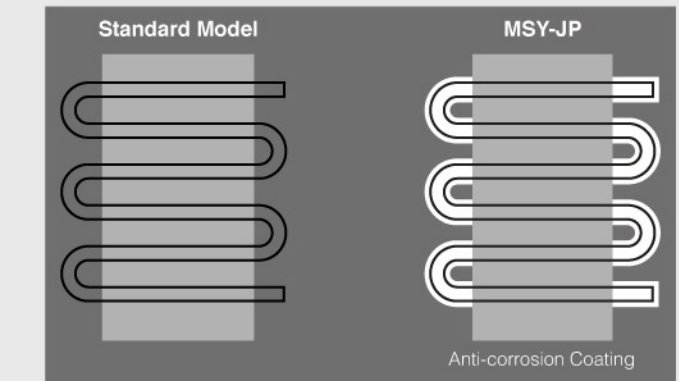
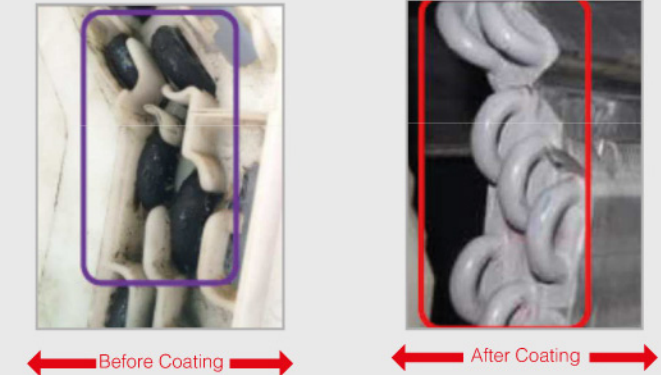
Kept clean for more comfortable room



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.

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INVERTER SERIES

## IDU Anti-corrosion Coating



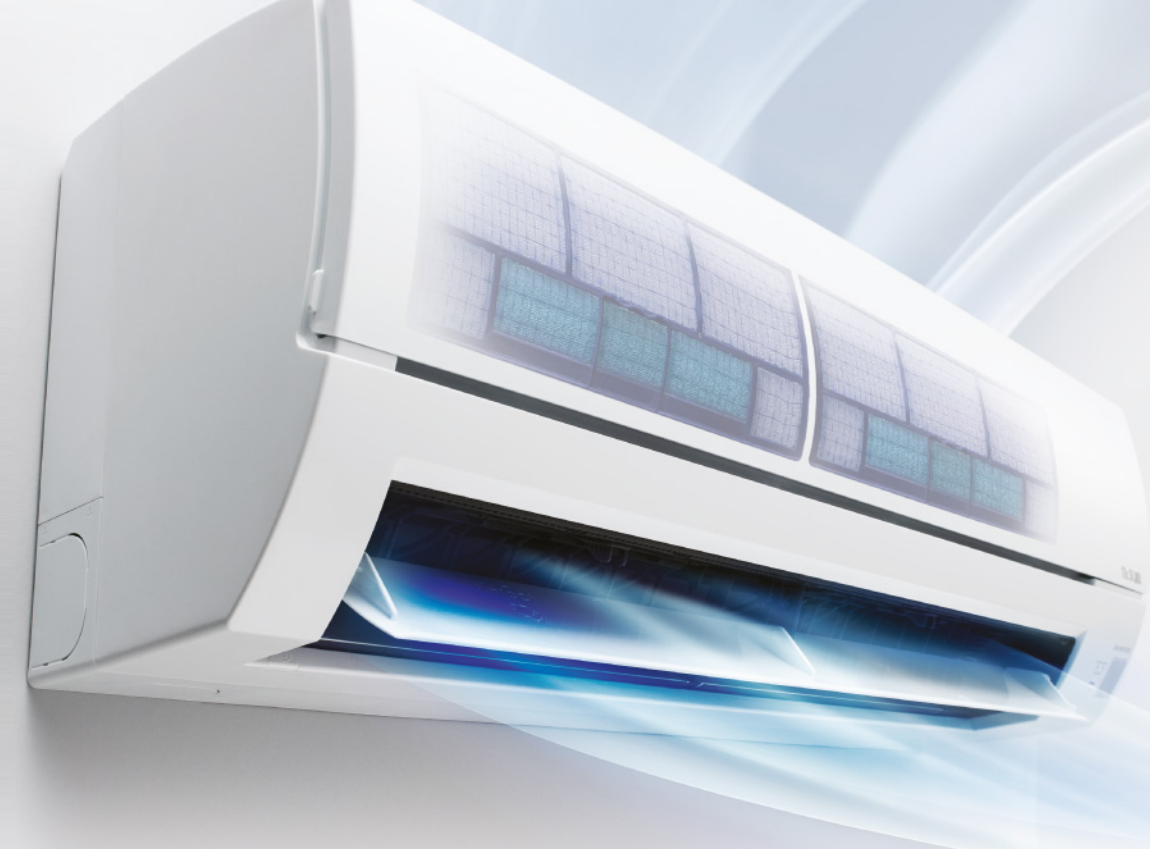


# AIR QUALITY

## MICROPARTICLE CATCHING FILTER

(OPTIONAL)

Effectively eliminates PM2.5



## LONG AIR FLOW

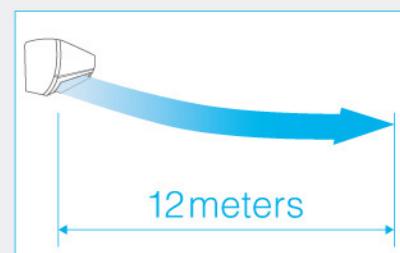
Delivers substantial and comfortable airflow



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

\*Based on Euromonitor International research

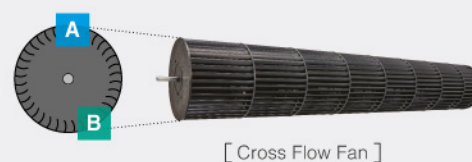
Projects air flow up to 12meters.  
Suitable even for living rooms.



### Model comparison

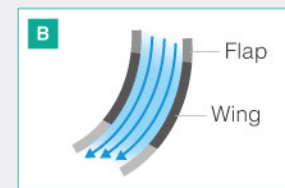
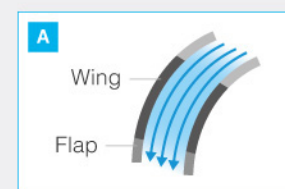
- MSY-JP 10/13/15/18VF ..... 8m
- MSY-JP22VF ..... 12m

### Cross Flow Fan Technology

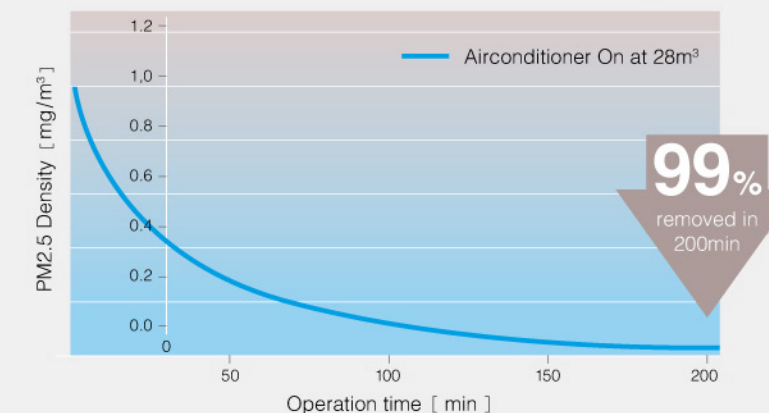


[ Cross Flow Fan ]

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.



## PM2.5 Removal Efficiency



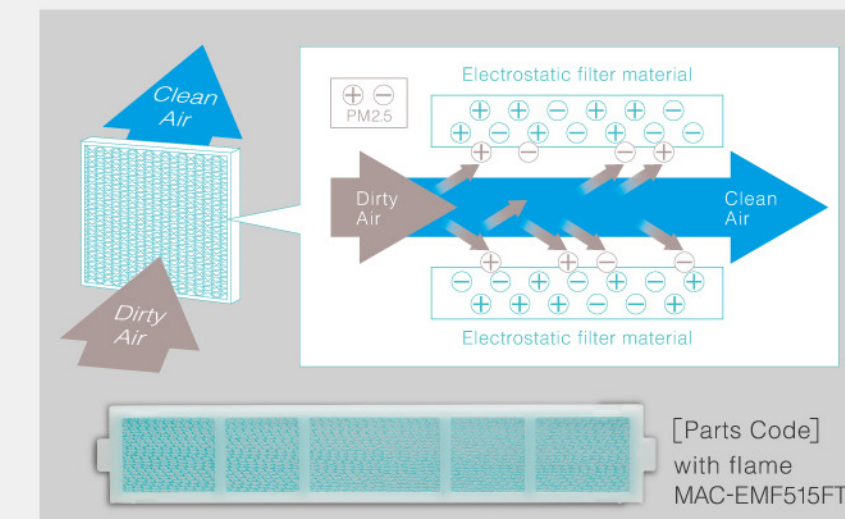
Test conditions:

Removal efficiency of particulates sizes ranging 0.3-2.5µm after operation for 200min using MSY-JP22VF microparticle catching filter in 28m³ enclosed space with tidal air circulation volume of 0.5/hr (in-house test)

**Mr.SLIM**  
INVERTER SERIES

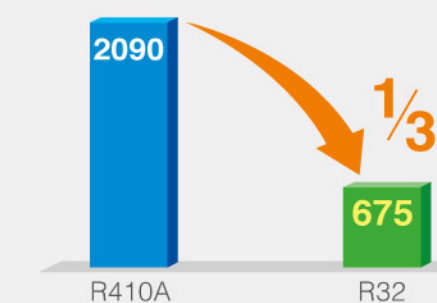
Effectively catches floating PM2.5 particles to maintain clean air in the room.

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



## 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.



# JP Series SPECIFICATIONS

Type	Cooling only					
Model name	Indoor unit	MSY-JP10VF	MSY-JP13VF	MSY-JP15VF	MSY-JP18VF	MSY-JP22VF
	Outdoor unit	MUY-JP10VF	MUY-JP13VF	MUY-JP15VF	MUY-JP18VF	MUY-JP22VF
Refrigerant	R32					
Power supply	Source	Single phase, 230V, 50Hz				
		Outdoor power supply				
Capacity	Rated	kW	2.6	3.6	4.2	6.0
	Max	kW	2.7	3.7	4.2	6.2
	TR	TR	0.75	1.00	1.25	1.70
Total Input	Rated	kW	0.95	1.29	1.44	1.86
ISEER			3.76	3.72	3.73	3.70
SPL	Indoor unit (Quiet-Lo-Med-Hi-SHi)	dB(A)	21-25-31-37-43	22-28-34-40-43	26-31-37-42-46	28-33-40-44-49
Air Volume	Indoor unit (Quiet-Lo-Med-Hi-SHi)	CFM	140-215-280-345-434	190-247-331-397-452	228-278-352-419-475	233-317-417-483-538
Operating Current	Rated	A	4.6	6	6.8	8.5
	Max	A	6.7	7.1	8.4	9.6
Indoor unit	Dimensions (H x W x D)	mm	280x838x228	280x838x228	280x838x228	280x838x228
	Weight	kg	8	8.5	8.5	9
Outdoor unit	Dimensions (H x W x D)	mm	454x660x235	538x698x249	538x698x249	550*800*285
	Weight	kg	18	22.5	24.5	31.5
Ext.Piping	Breaker Size (MCB required)	A	10	10	10	10
	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)	9.52(3/8)	12.7(1/2)
	Max.Length Out-In	m	20	20	20	20
	Max.Height Out-In	m	12	12	12	12
Star Rating			3star	3star	3star	3star

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

## 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.



Once activated, this mode continues for 15 minutes.



12-Hour On/Off timer



Battery Replacement Indicator

## Powerful Cool

Cooling starts immediately with the push of a button



## FUNCTIONS & FEATURES



Joint Lap DC Motor



Magnetic Flux Vector Sine Wave Drive



Reluctant DC Rotary Compressor



Econo Cool



Grooved Piping



Anti-Mold filter



Electrostatic Anti-allergy Enzyme Filter (Optional parts)



Micro Particle Catching Filter (Optional parts)



Horizontal vane swing



Auto Fan Speed Mode



Long Airflow \*MSY-JP22VF



Dual Barrier Coating



Auto Restart



Blue Fin for Outdoor condenser (Corrosion toughness)



Single Coating



Heat Caulking Fixing Method



Vector Wave Eco Inverter



PAM (Basic)



Electronic Metal Housing Box



Mitsubishi  
Electric  
MEQ quality



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.

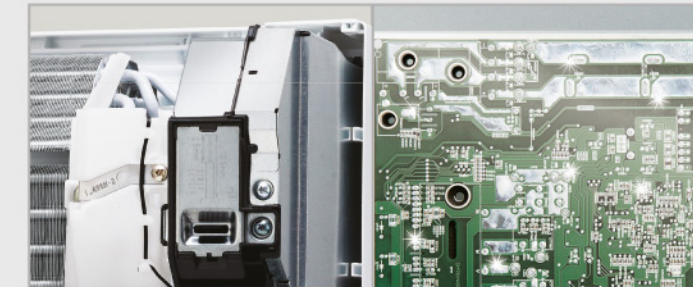
## Development

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

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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Collection & disposal process of E-waste under the new guidelines of E-waste (Management) Rules 2016. To facilitate & ease our Customers to dispose off Company e-waste product, Customer can get all details of company process on collection, disposal of e-waste product (i.e. 'Mitsubishi Electric' make Air Conditioner) and incentive/exchange schemes for returning of e-waste on Company website ([www.mitsubishielectric.in](http://www.mitsubishielectric.in)) and / or Toll free number 1800 102 2626. Kindly take note of the symbol below which connotes that you should not dump any of the electrical and electronic equipment including air-conditioners in garbage bins, neither should you dispose off the same through any scrap dealers. For more details on e-waste, please visit company website [www.mitsubishielectric.in](http://www.mitsubishielectric.in)



- Head Office
- Branch Offices
- ▲ Satellite Office
- \* Technical Centres
- # Sales Office

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