

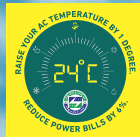


*Changes for the Better*

AIR CONDITIONERS

# JZ Series

MITSUBISHI ELECTRIC  
Air Conditioners  
New Mr.Slim Inverter



# All MITSUBISHI ELECTRIC Inverter Technology

JZ 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.

## COOLING OPERATION RANGE

UPTO  
**52°C**

Proper operation is ensured at outdoor temperatures up to 52°C with the optimized heat exchanger and the PCB's improved cooling performance.

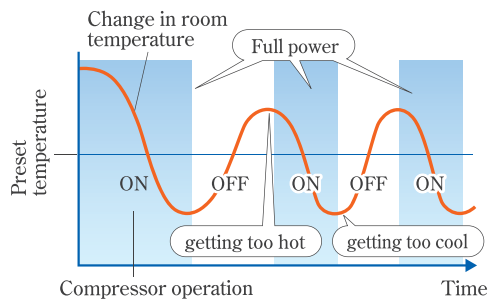
Even under harsh tropical conditions, this unit can maintain its rated cooling capacity and achieve comfortable air conditioning.



### ■ Inverter operation comparison

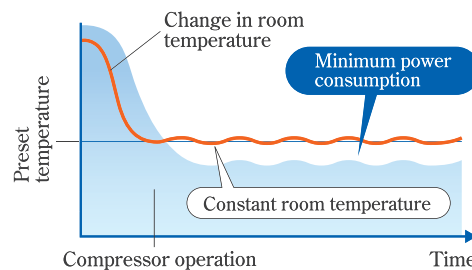
#### Non-inverter air conditioner

On/Off operation of compressor keeps room temperature



#### Inverter air conditioner

Optimum control of frequency keeps preset room temperature

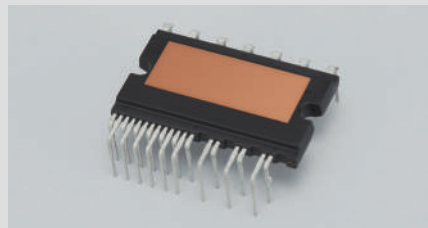


The compressors of air conditioners without an inverter start and stop repeatedly in order to maintain the preset room temperature. This repetitive on/off operation uses excessive electricity and compromises room comfort. The compressors of air conditioners equipped with an inverter run continuously; the inverter quickly optimizing the operating frequency according to changes in room temperature. This ensures energy-efficient operation and a more comfortable room.



## 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.

## 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 utilizing original dense winding technology.

### Heat Caulking



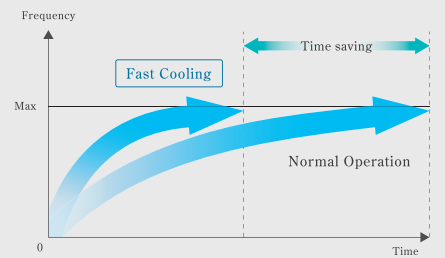
Original heat caulking method minimizes cylinder distortion for even greater efficiency.

# — Fast Cooling

Fast Cooling is the most essential desire in air conditioner.  
 MITSUBISHI ELECTRIC's Fast Cooling brings  
 you fast refreshment in your life.

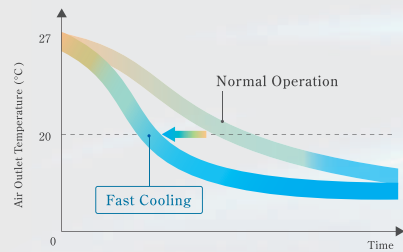


## 01 Compressor Frequency image



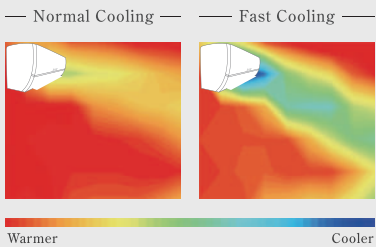
Pressing the Fast Cooling button makes the compressor reach its maximum frequency remarkably faster than in Normal Operation.

## 02 Air Outlet Temperature



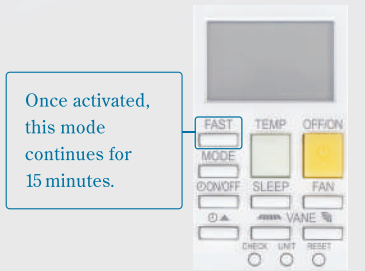
Lowers the air outlet temperature faster than Inverter Normal Operation.

## 03 Thermography



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

## 04 Fast Cooling button



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

# Easy Clean

The filter can be removed from the front for quick cleaning without opening the front flap.

# Dual Barrier Coating\*

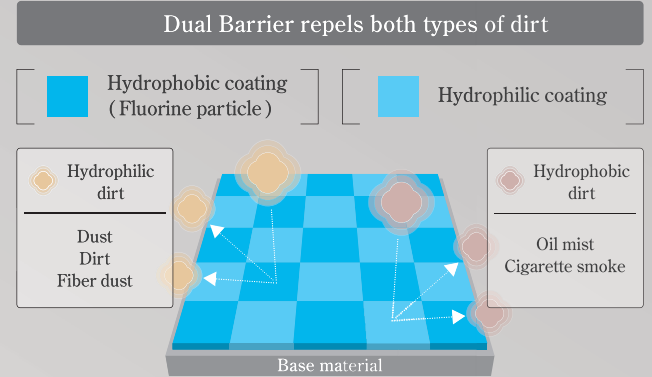
Dual Barrier Coating prevents dust and greasy dirt from getting into the air conditioner

\* Only for Fan



Dual Barrier Coating

## State-of-the-art coating technology



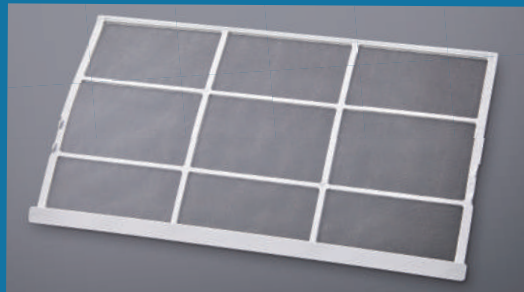
Comparison of dirt on Fan

Fan

Coating prevents dust and greasy dirt from accumulating on the inner surfaces of the indoor unit, keeping your air conditioner clean. The two-layer coating consists of a hydrophilic surface and a hydrophobic surface. The hydrophilic layer repels oily dirt, while the hydrophobic layer prevents fiber and dust from adhering.

# V Air Filter

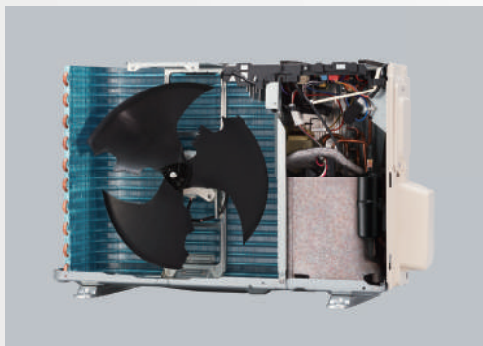
New Anti-Virus Pre-Filter is available (standard built-in), which has suppressing effect even for SARS-CoV-2.\*1 (Test result)



\*1 Tested Organization: Japan Textile Products Quality and Technology Center Test Report No.21KB-080331-2 Test Method: JIS L 1922  
Test result: Neutralised 99% of SARS-CoV-2 in 2 hours

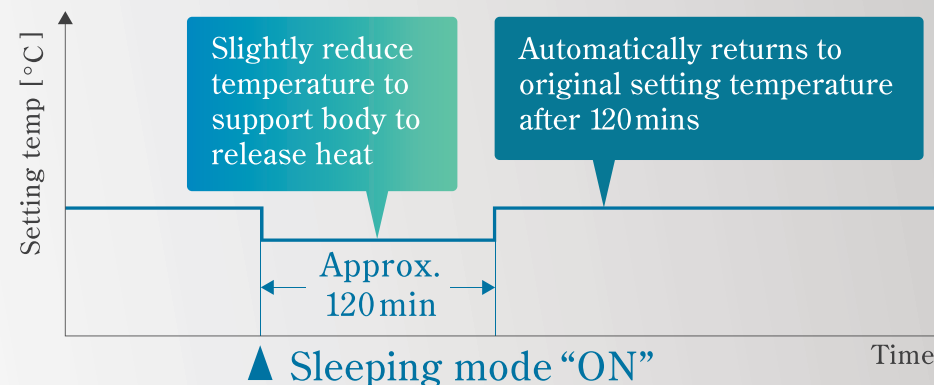
## Blue Fin

Blue Fin technology features epoxy-coated coils that resist corrosion and humidity, enhancing durability in harsh environments. This hydrophilic coating minimizes water retention, preventing bacteria and improved cooling efficiency.



## Sleep mode

Sleep mode can support body to release heat by operating slightly lower temperature than set temperature for 2hours.



## Electronic Metal Housing Box

This special box protects the electronic circuitry from dust ensuring its reliable operation and preventing fire in the event of a short circuit.



## New simple & stylish design remote controller



### Error code display



Error codes are displayed on the remote controller for trouble shooting.

\* For the details, please refer to the Operating Instructions

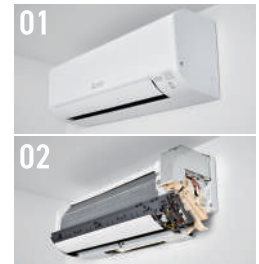
# JZ series introduced Advanced Design & Easy Maintenance.



## JZ SERIES

Advanced Basic Structure

Grill / Panel structure

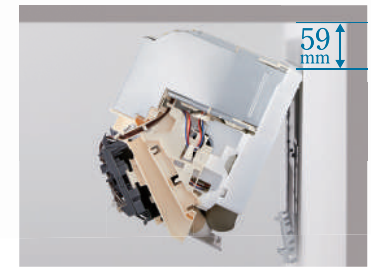


01  
02  
Combined structure makes easy to take grill / panel off.

Easy Installation  
Easy Maintenance

Shorter space between indoor unit and ceiling (Left pipe)

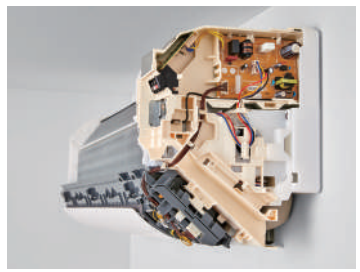
\* For the details, please refer to the Installation Manual.



59mm  
Indoor unit can be installed close (59mm) to ceiling when taking off combined grill / panel.

Easy Maintenance

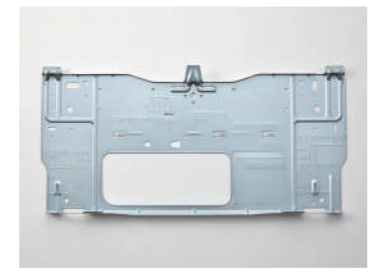
Access to electronic circuit board



Combined structure realize easy access to electronic circuit board by small unit base and less process.

Easy Installation

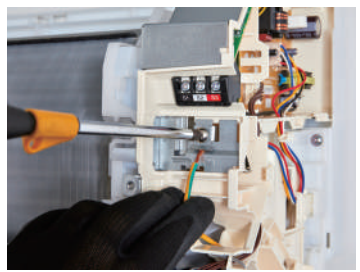
Back plate with a hole



Center pipe installation can be worked smoothly by taking out the pipe from the back with original knockout hole.

Easy Installation

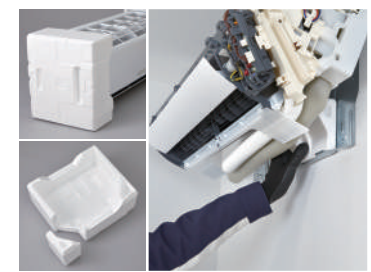
An earth wire connection



An earth wire can be connected only by insert wire under the earth clamp and tightening a screw without process the end of wire.

Easy Installation

Spacer



Corner of package can lift indoor unit and make space, which makes installation stable.

# MSY-JZ SERIES

# SPECIFICATIONS

Type		Inverter Cooling only			
Model name	Indoor unit		MSY-JZ13VF	MSY-JZ18VF	MSY-JZ22VF
	Outdoor unit		MUY-JZ13VF	MUY-JZ18VF	MUY-JZ22VF
Cooling Capacity*	Rated	Watt	3600	5200	6600
Tonnage		TR	1 Ton	1.5 Ton	1.9 Ton
Star Rating			3-Star	3-Star	3-Star
Energy Efficiency	ISEER		4.30	4.30	4.30
Power Input	Rated (Min-Max)	Watt	1145 (300-1400)	1650 (400-2100)	2100 (400-2100)
Air Volume	Indoor unit (Quiet-Lo-Med-Hi-SHi)	CFM	167-242-324-371-414	282-373-458-566-676	278-405-501-532-778
Noise Level	Indoor unit (Quiet-Lo-Med-Hi-SHi)	dBA	22-28-36-40-43	26-33-40-44-49	27-37-41-45-53
Refrigerant			R32		
Power supply	Voltage	V	230V		
Power Input Range	Voltage	V	160-264V		
Operating Current	Rated (Min-Max)	A	5.4 (1.3-7.0)	7.6 (2.1-9.2)	9.2 (2.2-9.2)
Indoor unit	Net Dimensions (H x W x D)	mm	290x799x233	290x999x233	
	Net Weight	kg	9.0	10.40	11.0
Outdoor unit	Net Dimensions (H x W x D)	mm	538x699x249	545x780x294	
	Net Weight	kg	21.0	28.0	28.0
Pipe Size	Diameter Liquid	mm (inches)	6.35 (1/4)		
	Diameter Gas	mm (inches)	9.52 (3/8)	12.7 (1/2)	
	Additional Refrigerant	gm	10g/m		
	Max.Length	m	20	20	30
	Max.Elevation	m	12	12	12
Ambient Operating Range		°C	21°-52°		
Control wiring (Copper)	ODU to IDU	Core No. x Sq.mm	4 core 1sq.		
Power cable (Copper)	ODU	Core No. x Sq.mm	3 Core 1sq.	3 Core 1sq.	3 Core 2.0sq.
ODU Breaker Size		A	10	10	16

**Rated conditions:**

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

\*Refrigerant piping length : 3.0m

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

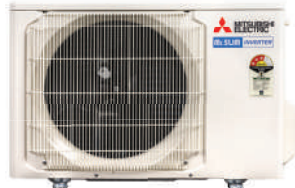
\*Specifications may change as per product development

# MSY-JZ SERIES (MR.SLIM)

## MSY-JZ 13VF



H290 x W799 x D233 (mm)



H538 x W699 x D249 (mm)



Remote Controller

## MSY-JZ 18/22VF



H290 x W999 x D233 (mm)



H545 x W780 x D294 (mm)



Remote Controller

# FUNCTIONS & FEATURES



Magnetic Flux Vector Sine Wave Drive



Joint Lap DC Motor



Vector Wave Eco Inverter



Heat Caulking Fixing Method



Reluctant DC Rotary Compressor



Micro Particle Catching Filter (Optional part)



V-Air Filter



I-Feel Model



Dual Barrier Coating Fan



Electrostatic Anti-allergy Enzyme Filter (Optional)



Ambient temperature range (Up to 52°)



Auto Restart



Voltage Range (160-264V)



New IDU Design



12-Hours On/Off Programmable timer



Fast Cooling Mode



Auto Fan Speed Mode



Long Airflow



Horizontal vane swing



Auto Vane Control Left & Right



Error Code display on Remote Controller



New Remote Controller



Luminous Button



Sleep Mode



Blue Fin (Condenser ODU)



# THE PERFECT COMFORT RANGE

## HIGH-WALL INVERTER SERIES

**MSY-GZ**



5/4-Star Cooling Only

**MSY-GR(T)**



4-Star Cooling Only

**MSZ-HZ**



3-Star Hot & Cold

**MSY-RJZ**



3-Star Cooling Only

**MSY-JZ**



3-Star Cooling Only

**MSY-AMZ**



3-Star Cooling Only

## HIGH-WALL NON-INVERTER SERIES

**MS-AGZ**



2-Star Cooling Only

**MS-AJZ**



1-Star Cooling Only



Changes for the Better

AIR CONDITIONERS



Series MSY-JZ

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DELHI REGISTERED OFFICE

B1/G3, 4th Floor, Mohan Cooperative Industrial Estate, New Delhi – 110044 Tel: +91 (124) 673 9300

MANUFACTURING FACILITY

Central Avenue, Plot No. 27, Mahindra Industrial Park Chennai Limited, Gummidipoondi Taluk, Peruvoyal Village, Origins Mahindra World City, Tiruvallur, Tamil Nadu – 601206

TECHNICAL CENTRES

Ahmedabad: 079-67777861, Bengaluru: 080-40201600, Chennai: 044-49232222, Delhi: 011-66057900, Mumbai: 022-66116200

For service support



Customer Care (Toll Free) 1800 102 2626

\*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 / Printers) and incentive / exchange scheme for returning of e-waste on Company website (www.MitsubishiElectric.in) or Toll free number 1800 102 2626.



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

\*Map for reference purpose only.

BRANCH / SALES OFFICES

- North Zone
Delhi: 011-66057900, Haryana: 085277 92569
Chandigarh: 0172-4601645, Ludhiana: 0161-4061654
Ghaziabad: 0120-4230692, Jaipur: 0141-4011109
Lucknow: 0522-4002607
West Zone
Mumbai: 022-66116200, Ahmedabad: 079-67777888
Indore: 0731-4098991, Nagpur: 712-2284020
Pune: 020-41555000, Rajkot: 0281-2585525
Vadodara: 0265-2314699, Surat: 0261-4003111
East Zone
Kolkata: 07086087007, Bhubaneswar: 09073949597
Patna: 07739857587, Raipur: 08817936264
South Zone
Chennai: 044-49232222, Bangalore: 09311768727
Coimbatore: 0422-4385606, Hyderabad: 040-43438888
Kochi: 0484-4862093, Vijaywada: 08498894567

SATELLITE OFFICES

- North Zone
Agra: 09536900140, Dehradun: 08800878763
Kanpur: 09205987322, Varanasi: 09410245883
West Zone
Aurangabad: 0738777132, Bhopal: 09907135346
Goa: 09769627630
East Zone
Ranchi: 07677063849, Guwahati: 07086087007
South Zone
Hubli: 08448398012, Mangalore: 08448398012
Tirupati: 09319591931, Madurai: 9600923533
Vellore: 09500824622, Erode: 08448894663
Vizag (Visakhapatnam): 09205987308

For more details

