MITSUBISHI ELECTRIC

AIR CONDITIONERS

Changes for the Better

ONE AC FOR EVERY TEMPERATURE.

JAPANESE TECHNOLOGY

MSZ-HZ

Hot and cold series

POWER SAVINGS GUIDE

R32 REFRIGERANT

DC Inverter

Anti-corrosion coating

12m Long Air Flow

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What is MITSUBISHI ELECTRIC Quality?

MEQ represents our dedication to excellence in developing & 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.

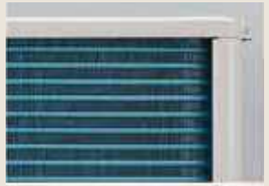
Mitsubishi Electric Quality

Development

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

Designs

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.



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

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

Special coating prevents any damages from humidity and insects.

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

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

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

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 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

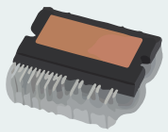
Dramatically enhanced motor efficiency utilising original dense winding technology.

Heat Caulking

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

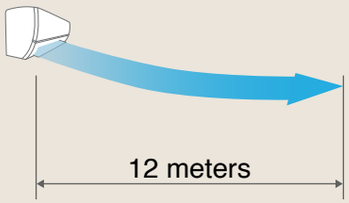
MITSUBISHI ELECTRIC Inverter Power Module

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



Long Airflow

Delivers substantial and comfortable airflow



Delivers Long and comfortable airflow upto 12m suitable for living rooms

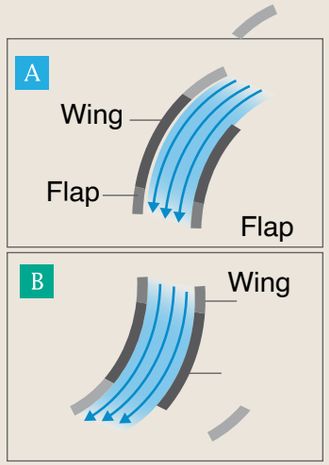
MITSUBISHI ELECTRIC launched the World's First*
Room Air Conditioner equipped with Cross-Flow Fan in 1968.

*Based on Euromonitor International Research

Cross-Flow Fan Technology

[Cross-Flow Fan]

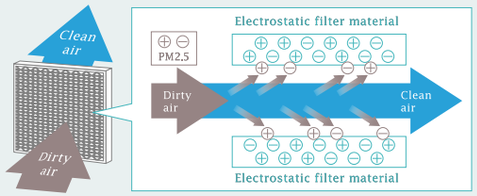
Our unique Cross-Flow Fan construction guides air smoothly along each rotating wing as it simultaneously intakes and expels air. This allows for highly efficient delivery of powerful and refreshing airflow.



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

Micro Particle Catching Filter

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



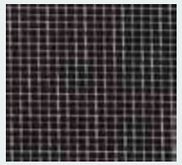
Electrostatic material removes PM 2.5 from the air and absorbs it when passing through the filter.

High Density Filter

High Density Filter can prevent smaller dust particles from entering inside air conditioners.

Comparison of density of filters

Standard Filter



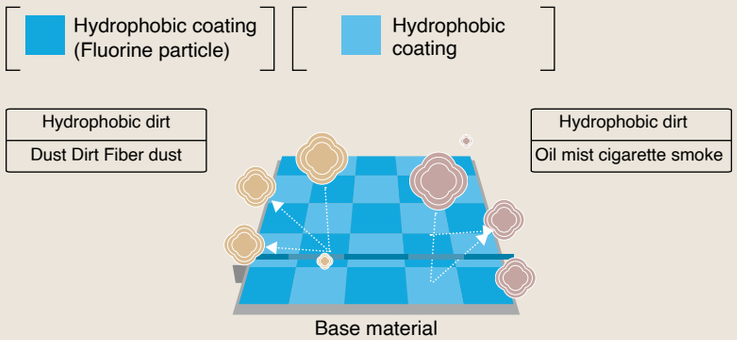
High Density Filter (Optional parts)

Dual Barrier Coating

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

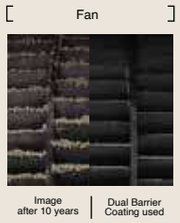
Dual Barrier Coating both types of dirt

State-of-the-art coating technology



Comparison of Dirt on Fan

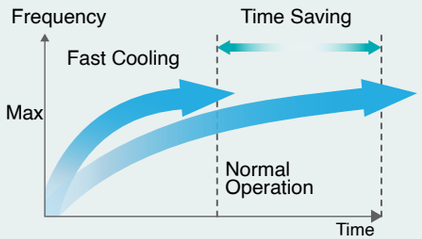
Dirt is generally classified into two groups. Dual Barrier Coating works as two-barrier coating with blended "fluorine particles" that prevents hydrophilic dirt penetration and "hydrophilic particles" that prevents hydrophobic dirt.



Fast Cooling

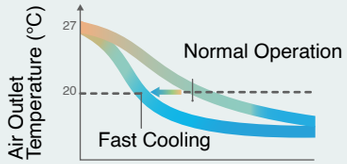
Mitsubishi Electric, a global leader in air conditioning, understands its customer requirement better than anyone else.
At Mitsubishi Electric, we invest great care in designing our product features, Instant Relief from scorching heat is one such desire met successfully through the Fast Cooling feature in our air conditioners provided just at the click of a button.

01. Compressor Frequency Image



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

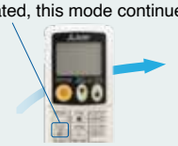
02. Air Outlet Temperature



Lowers the air outlet temperature faster than Inverter Normal Operation.

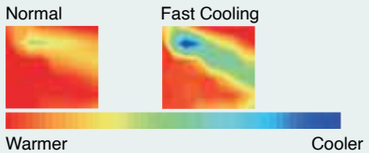
03. Fast Cooling Button

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.

04. Thermography



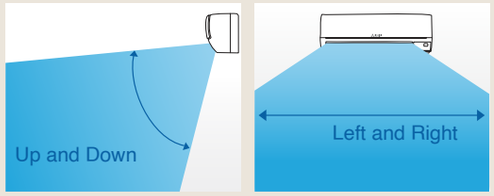
Quickly cools the room with the highest-volume and lowest-temperature airflow at 2 min. after operation.

Auto Vane Control

Up and Down / Left and Right

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

Horizontal Airflow/Auto Vane Control

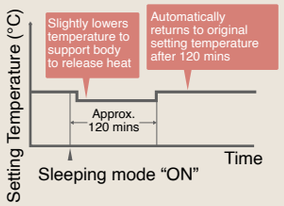


Left and Right
Auto vanes can be set at 5 position and swing.

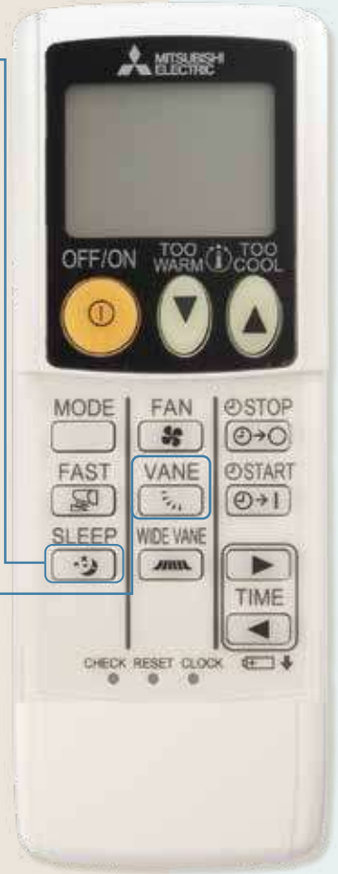
Up and Down
Auto vanes can be set at 5 position and swing.

Useful functions

Sleep mode



Auto Vane Control Button



Remote Controller

New stylish and compact remote controller features easy-read big display and simple button position with fundamental functions.

Error code display

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

A Remote Controller That Fits You

Its compact design creates the perfect fit for your hand.

Product Specifications

	Type	Inverter Heating & Cooling				
	Model name	Indoor unit		MSZ-HZ13VF-DA1	MSZ-HZ18VF-DA1	MSZ-HZ24VF-DA1
		Outdoor unit		MUZ-HZ13VF-DA1	MUZ-HZ18VF-DA1	MUZ-HZ24VF-DA1
Cooling	Cooling Capacity*	Rated(Min-Max)	Watt	3150 (1400-3500)	5200 (1700-5600)	7100 (1800-7100)
Cooling	Powe Input	Rated(Min-Max)	Watt	980 (270-1750)	1260 (250-2100)	2350 (180-3510)
Cooling	Air Volume	Indoor unit(SLo-Lo-Med-Hi-SHi)	CFM	127-162-208-297-459	332-360-441-544-639	360-441-544-618-69
Cooling	Noise Level	Indoor unit(SLo-Lo-Med-Hi-SHi)	dBA	22-31-37-42-49	30-33-38-44-48	33-38-44-46-50
Cooling	Operating Current	Rated	A	4.70	7.0	10.0
Heating	Cooling Capacity	Rated(Min-Max)	Watt	3600(1100-4100)	5400(1400-6500)	8100(1500-8500)
Heating	Powe Input	Rated(Min-Max)	Watt	980(270-1750)	1260(250-2100)	2350(180-3510)
Heating	Air Volume	Indoor unit(SLo-Lo-Med-Hi-SHi)	CFM	120-155-201-283-456	311-371-459-55-639	371-459-544-618-696
Heating	Noise Level	Indoor unit(SLo-Lo-Med-Hi-SHi)	dBA	22-30-36-40-49	29-33-38-44-48	33-38-44-46-50
Heating	Operating Current	Rated	A	4.70	5.80	10.60
	Energy Efficiency	ISEER		4.54	4.64	4.53
	Star Rating			3-Star	3-Star	3-Star
	Refrigerant			R32		
	Power supply	Voltage		230V		
	Power Input Range	Voltage		198-264V		
	Indoor unit	Net Dimensions(HxWxD)	mm	290×799×232	305×923×262	305×923×262
		Additional Refrigerant	kg	8.40	12.10	12.10
	Outdoor unit	Net Dimensions(HxWxD)	mm	538×699×249	550×800×285	714×800×285
		Net Weight	kg	24.0	35.0	40.0
	Pipe Size	Diameter Liquid	mm(inches)	6.35 (1/4")		
		Diameter Gas	mm(inches)	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")
		Additional Refrigerant	gm	20g/m	20g/m	20g/m
		Max.Length	m	20	20	30
		Max.Elevation	m	12	12	12
	Ambient Operating Range	Cool	°C	21-46		
		Heat	°C	-10-24		
	Control wiring(Copper)	IDU to ODU	Core No.x Sq.mm	4 Core 1Sq.	4 Core 1Sq.	4 Core 1Sq.
	Power cable(Copper)	ODU	Core No.x Sq.mm	3 Core 1sq.	3 Core 1sq.	3 Core 2.5sq.
	ODU Breaker Size		A	10	10	16

Rated conditions:
*Cooling - Indoor: 27°C (80°F) DB, 19°C (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

***As per new BEE guidelines actual tonnage will be calculated upto 2 decimal, considering 3517 watt=1 ton**

Functions & Features

- Horizontal vane swing
- Auto Vane Control Left & Right
- Auto Fan Speed Mode
- Long Airflow
- Fast Cooling Mode
- Auto Restart
- Sleep Mode
- Error Code display on Remote Controller
- Luminous Button
- Blue Fin for Outdoor Condenser (Corrosion toughness)
- Single Coating
- DUAL BARRIER COATING (Fan)
- Joint Lap DC Motor
- Magnetic Flux Vector Shine Wave Drive
- Reluctant DC Rotary Compessor
- Heat Caulking Fixing Method
- Vector Wave Eco Inverter
- Pam (Basic)
- Grooved Piping
- Anti- Mold Filter
- High Density Filter (Optional Part)
- Micro Particle Catching Filter
- Electrostatic Anti-allergy Enzyme Filter (Optional part)
- 24 hours On/Off Programmable Timer

Cleaning-free, Pipe Reuse Technology

MITSUBISHI ELECTRIC'S SOLUTION FLUSH, VACUUM & INSTALL

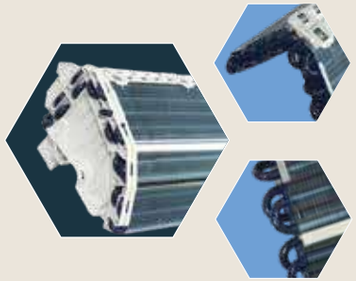
Mitsubishi Electric's exclusive cleaning-free, pipe-reuse technology allows you to reuse existing R410A refrigeration piping even when installing a new R32 model. Our R32 inverter-driven models are the first in the industry to use hard alkyl benzene (HAB) oil — a unique refrigerant oil that degrades very slowly for refrigeration. Employing our exclusive cleaning-free technologies such as a specially developed high-efficiency oil separator and optimum distribution of heat exchangers to prevent oil stagnation.

ORIGINAL HAB OIL

- No-special cleaning required
- Re-use existing pipes
- Cleaning/Purging process
- Special tools (Oil trap kit)
- Higher working pressure
- Please consult MEI Team before Re-use of pipe

IDU anti-corrosion coating

In India market, gas leakage occurs frequently from bends. For preventing it, MSZ-HZ Series puts "anti-corrosion coating".



Silver-ionized Air Purifier Filter

The high performance filter can be attached as optional. Captures the bacteria, pollen and other allergens in the air and neutralises them.

MSZ-HZ Series

Outdoor Unit

MUZ-HZ13VF-DA1

H538 x W699 x D249 (mm)

MUZ-HZ18VF-DA1

H550 x W800 x D285 (mm)

MUZ-HZ24VF-DA1

H714 x W800 x D285 (mm)

Indoor Unit

MSZ-HZ13VF-DA1

H290 x W799 x D232 (mm)

MSZ-HZ18/24VF-DA1

H305 x W923 x D262 (mm)

Remote Controller

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

Available In

MITSUBISHI ELECTRIC

AIR CONDITIONERS

Changes for the Better

MSZ-HZ Series

MITSUBISHI ELECTRIC INDIA PVT. LTD.

GURUGRAM HEAD OFFICE

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Tel: +91 (124) 673 9300

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,
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Customer Care (Toll Free)
1800 102 2626

For service support

For more details

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Gorakhpur: 7992074100

West Zone
Aurangabad: 07387777132, 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 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.**