

RESIDENTIAL RANGE OF SPLIT AIR CONDITIONERS



Mitsubishi Electric in INDIA

Mitsubishi Electric is a well-known brand and Global Leader in Electric and Electronic Equipment for Residential, Commercial and Industrial use. Mitsubishi Electric has presence across India with a large distribution channel which is expanding to more cities.

Mitsubishi Electric India offers complete solution for factory automation and industrial products, residential, commercial and industrial air conditioning, video and imaging products and provision for technical and marketing support for power semiconductors, photovoltaic modules, transportation, power systems and CNC solutions.

Mitsubishi Electric is a world leader in air conditioning systems for residential, commercial and industrial use. Challenged to create air conditioning systems that provide exemplary performance in the wide-ranging climatic conditions found throughout Japan, our engineers develop amazingly sophisticated yet durable units and systems capable of constant use under virtually any natural climatic condition on earth. Each product is an amazing feat in its own, delivering years of quiet operation, energy-efficient performance and minimum impact on the environment.

MITSUBISHI ELECTRIC Residential Range of Split Air Conditioners

Page No.

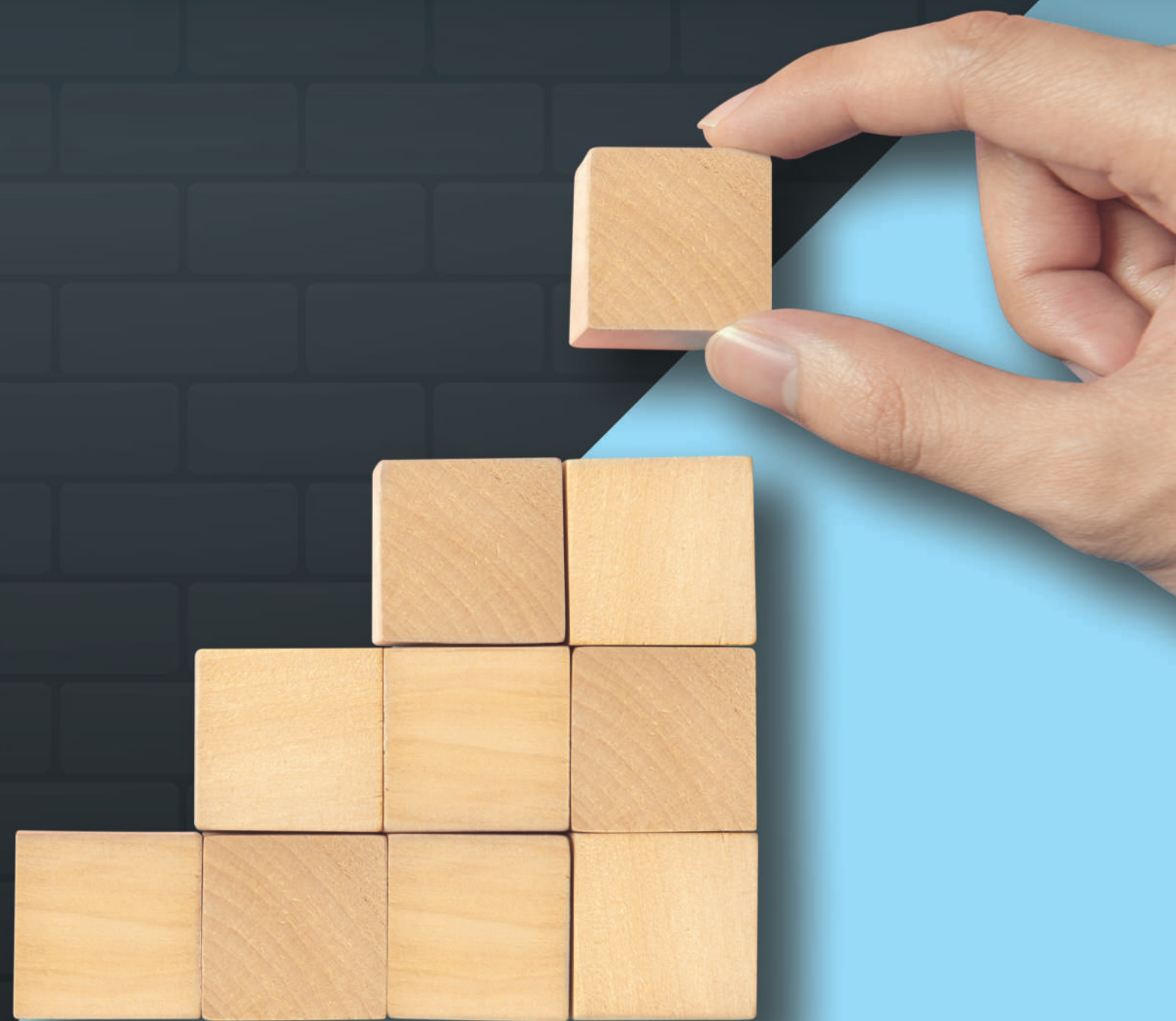
MSY-GR(T) Series (Tropical Inverter Cooling Only)	   	 06-15
MSY-GR Series (Inverter Cooling Only)	  	 16-25
MSY-GN Series (Inverter Cooling Only)	  	 26-33
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COMPLETE
WARRANTY
UPTO 10 YEARS

ADDING MORE YEARS TO COMFORTABLE LIFESTYLE.

Entire range of Mitsubishi Electric Room Air Conditioners
now comes with **WARRANTY UPTO 10 YEARS**
with **NO HIDDEN CHARGES***



*T&C apply. Applicable on both Inverter & Non-Inverter Room Air Conditioners.

GR-T Series

(Inverter Cooling Only)



*New luxurious and
stylish design*

Tropical Inverter Technology

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.

High cooling performance

Keep rated capacity
~46°C

Guaranteed operating range
~52°C



Fast Cooling

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

* Tropical condition : Ambient temperature 46°C / 24°C, Indoor temperature 29°C / 19°C

01 MITSUBISHI ELECTRIC Inverter Power Module



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

02 MITSUBISHI ELECTRIC Propeller Fan and DC Fan Motor

Propeller Fan



The newly designed propeller fan maximizes airflow efficiency. It delivers more air volume with less 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.

03 MITSUBISHI ELECTRIC Compressor

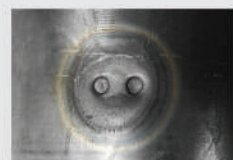
The compressor is the heart of the air conditioner. Employing MITSUBISHI ELECTRIC's proprietary technology, we are able to achieve both high efficiency and high power.

Poki-Poki Motor



Dramatically enhanced motor efficiency utilising original dense winding technology

Heat Caulking

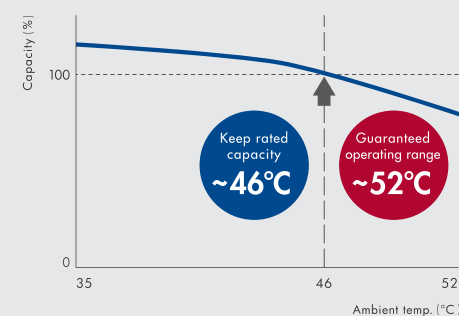


The original heat caulking method minimizes cylinder distortion for even greater efficiency.

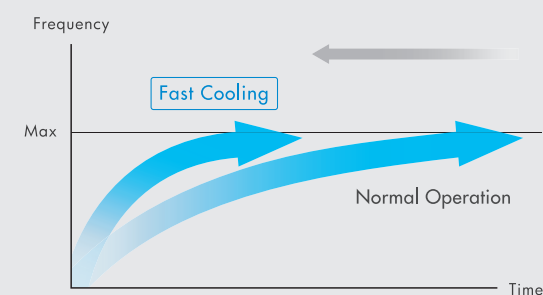


04 High cooling performance even in tropical condition

Realized powerful cooling performance up to an ambient temp 46°C !

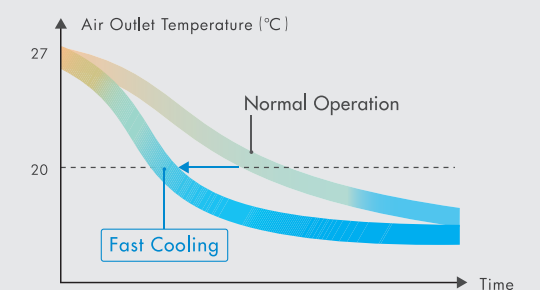


01 Compressor Frequency image



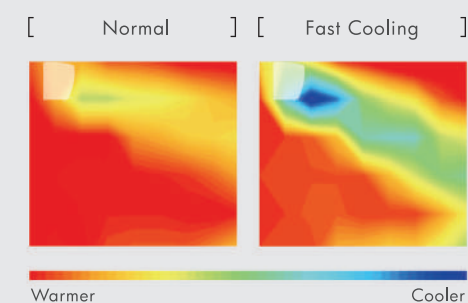
Pressing the Fast Cooling button makes the compressor reach its maximum frequency remarkably faster than in Normal Operation.

02 Air Outlet Temperature



Lowens the air outlet temperature faster than Inverter Normal Operation.

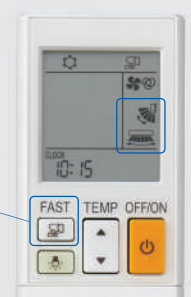
03 Thermography



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

04 Fast Cooling button

Once activated, this mode continues for 15 minutes.



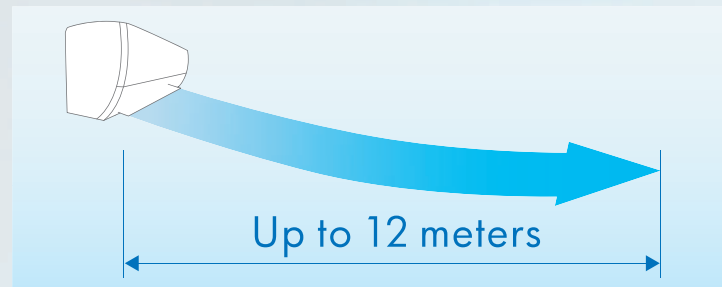
Fast Cooling mode starts immediately with the push of a button. According to preference, air direction can be changed freely.



Long airflow

Delivers substantial and comfortable airflow

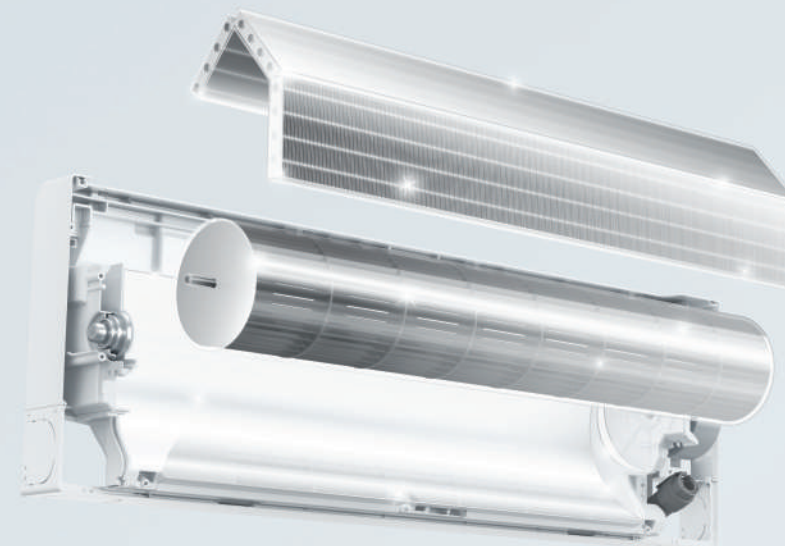
Projects air current up to 12 meters. Suitable even for living rooms.



Model comparison

○ MSY-GR13VFT	8 m
○ MSY-GR18/22VFT	12 m

* It's available when air direction horizontal and fan speed S-Hi.

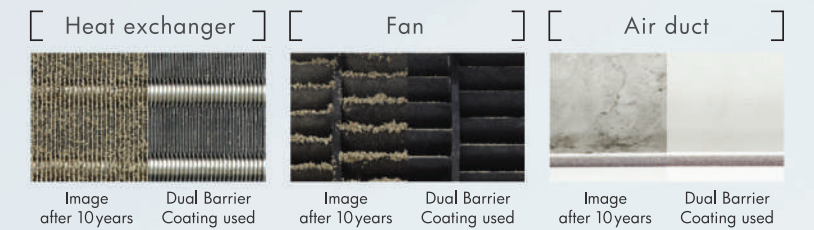
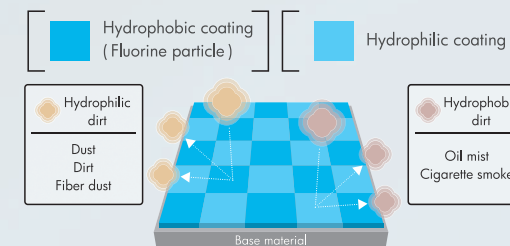


Dual Barrier Coating

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

State-of-the-art coating technology

Dual Barrier repels both types of dirt

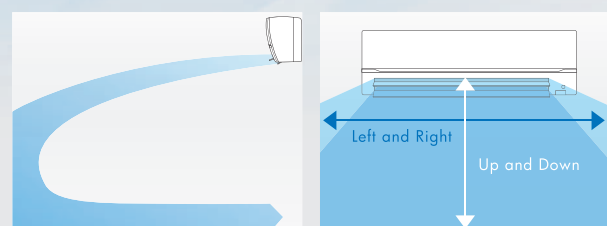


Dirt is generally classified into two groups. Dual Barrier Coating works as a two barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt.

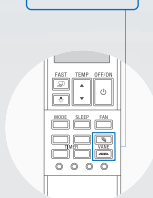
Auto Vane Control Up and Down/Left and Right

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

Horizontal Airflow / Auto Vane Control



Auto Vane Control Button



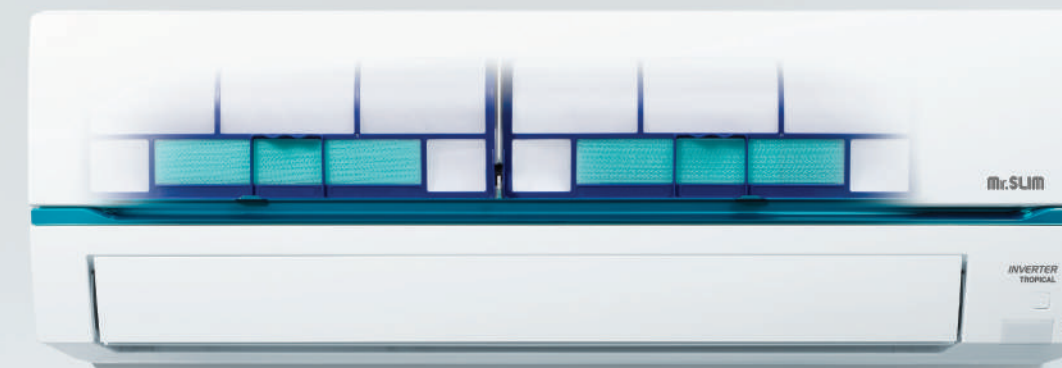
Left & Right *not available for MSY-GR13VFT

Auto vanes can be set at 6 position and swing.



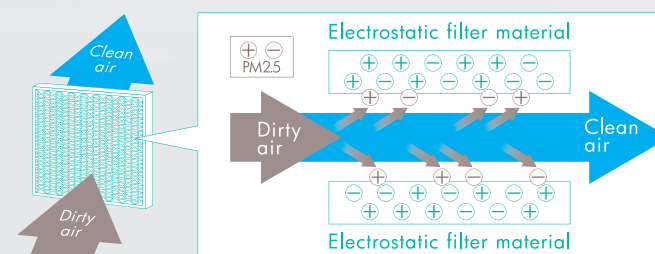
Up & Down

Auto vanes can be set at 5 positions and swing.



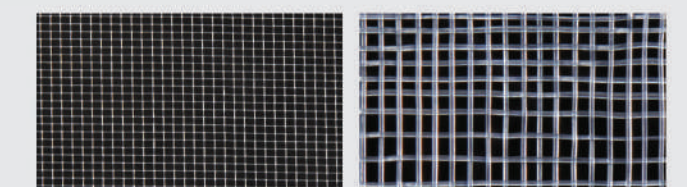
Micro Particle Catching Filter (Standard) and High Density Filter (Optional)

Effectively eliminate PM 2.5 and catch smaller dusts.



[Comparison of Density of filters]

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



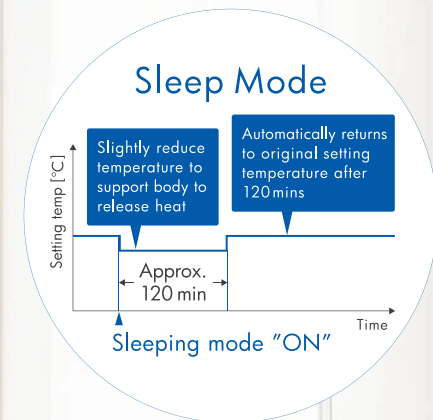
High Density Filter

Standard Filter

Quiet Operation

The indoor unit level is as low as 19 dB (A) offering a peaceful indoor environment.

(Model GRT13)



New Remote Controller

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



Aerodynamics Technology

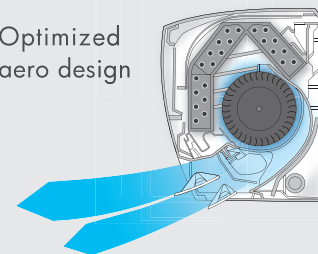
key factors to realize quiet air conditioners

Cross-Flow-Fan



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

Optimized aero design



Optimized aero design utilizing 2 horizontal vanes and fixing suitable position of lower vane.



LED Backlight with luminous button

Once the luminous backlight button is pressed, the setting can be easily checked in the dark.



Error code display

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



*For the details, please refer to the operating Instructions

Simple and intuitive buttons



A Remote Controller That Fits You

Its compact design creates the perfect fit for your hand.



GR(T) Series

Indoor Unit



Remote Controller



Outdoor Unit



Specifications - GR(T) Series

Type	Cooling only				
Model name	Indoor unit		MSY-GR13VFT-DA1	MSY-GR18VFT-DA1	MSY-GR22VFT-DA1
	Outdoor unit		MUY-GR13VFT-DA1	MUY-GR18VFT-DA1	MUY-GR22VFT-DA1
Refrigerant	R32				
Power supply	Source		Single phase230V, 50Hz		
			Outdoor power supply		
Capacity	Rated (Min-Max)	kW	3.7 (1.4-4.1)	5.2 (1.8-6.0)	6.6 (1.8-7.2)
	TR	TR	1.00	1.50	1.90
Total Input	Rated (Min-Max)	kW	1.01 (0.32-1.31)	1.36 (0.33-1.53)	1.72 (0.33-2.15)
ISEER			5.02	5.00	5.00
SPL	Indoor unit (SilentLo-Med-Hi-SHi)	dB(A)	19-24-31-38-43	27-33-38-44-49	28-36-41-45-51
Air Volume	Indoor unit (SilentLo-Med-Hi-SHi)	CFM	152-187-254-335-448	318-396-466-554-717	339-424-512-597-784
Operating Current		A	4.8	6.2	7.6
Indoor unit	Dimensions (H x W x D)	mm	280*838*229	325*1100*257	325*1100*257
	Weight	kg	10	17	17
Outdoor unit	Dimensions (H x W x D)	mm	538*699*249	714*800*285	714*800*285
	Weight	kg	24.5	38	38
Ext.Piping	Diameter Liquid	mm (inches)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Diameter Gas	mm (inches)	9.52(3/8)	12.7(1/2)	15.88(5/8)
	Max.Length Out-In	m	20	30	30
	Max.Height Out-In	m	12	15	15
Star Rating					

Functions and Features

Joint Lap DC Motor

Vector Wave Eco Inverter

Micro Particle Catching Filter

Vertical vane swing

Long Airflow *GR18/22VFT

24-Hour On/Off programmable timer

Grooved Piping

Magnetic Flux Vector Sine Wave Drive

PAM (Basic)

Electrostatic Anti-allergy Enzyme Filter (Optional part)

Auto vane control (Left & Right, Up & Down)

LED Back Light with Luminous button

Auto Restart

Guaranteed Ambient Operating Range up to 52°C

Reluctant DC Rotary Compressor

Anti-Mold filter

Dual Barrier Coating

Double Horizontal vane

Fast Cooling Mode

Error Code display on Remote Controller

Keep Rated Capacity up to Ambient temp, 46°C

Heat Caulking Fixing Method

High Density filter (Optional part)

Horizontal vane swing

Auto Fan Speed Mode

Sleep Mode

Blue Fin for Outdoorcondenser (Corrosion toughness)

Pre filter			ANTH-MOLD		
Air cleaning filter			Microparticle catching filter(PM2.5)(STD), Electrostatic Anti Allergy Enzyme Filter(OPT)		
Timer			24h	24h	24h
Vertical Swing			o	o	o
Control wiring (Copper)	ODU to IDU	Core No. x Sq.mm	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 2.0	3C x 2.0
ODU Breaker Size	To ODU	A	10	16	16

GR Series

(Inverter Cooling Only)



New luxurious and
stylish design

All MITSUBISHI ELECTRIC Inverter Technology

The GR 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.



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 MITSUBISHI ELECTRIC Inverter Power Module



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

02 MITSUBISHI ELECTRIC Propeller Fan and DC Fan Motor

Propeller Fan



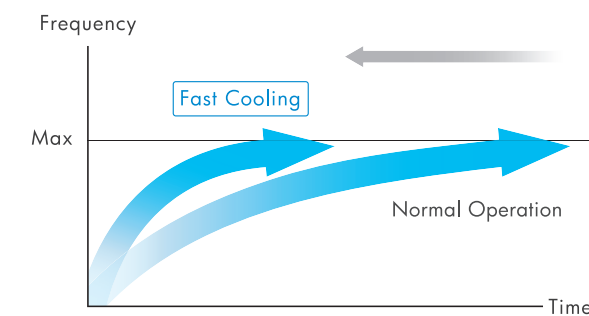
The newly designed propeller fan maximizes airflow efficiency. It delivers more air volume with less noise.

DC Fan Motor



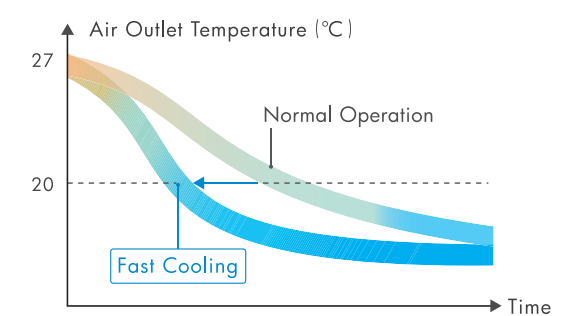
A highly efficient DC fan motor drives the fan of the outdoor unit. Efficiency is much higher than an equivalent AC motor.

01 Compressor Frequency image



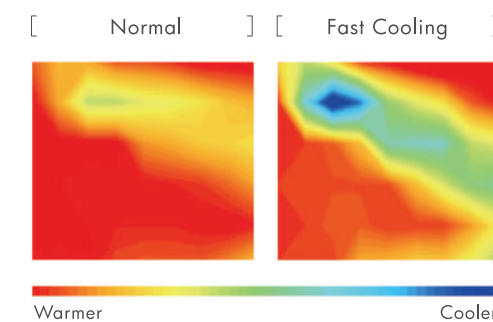
Pressing the Fast Cooling button makes the compressor reach its maximum frequency remarkably faster than in Normal Operation.

02 Air Outlet Temperature



Lowers the air outlet temperature faster than Inverter Normal Operation.

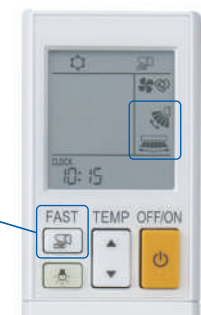
03 Thermography



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

04 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 MITSUBISHI ELECTRIC Compressor

The compressor is the heart of the air conditioner. Employing MITSUBISHI ELECTRIC's own 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



The original heat caulking method minimizes cylinder distortion for even greater efficiency.

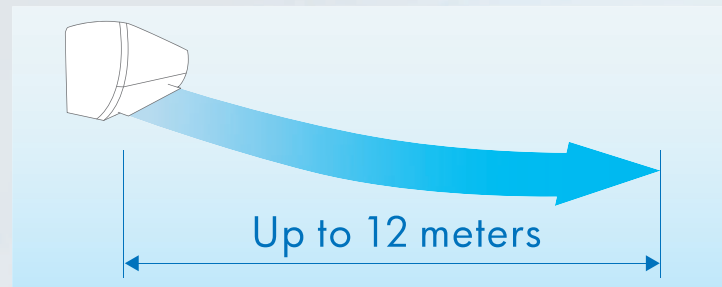




Long airflow

Delivers substantial and comfortable airflow

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



Model comparison

○ MSY-GR10/13/15VF	8 m
○ MSY-GR18/22/26VF	12 m

* It's available when air direction horizontal and fan speed S-Hi.

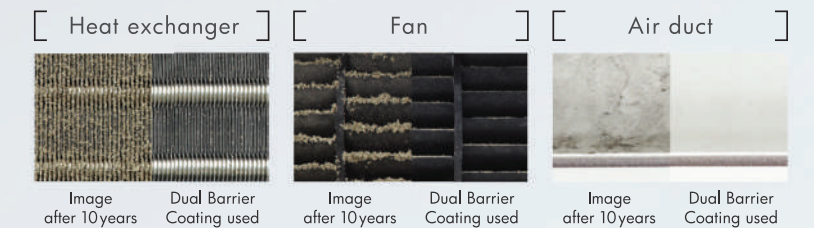
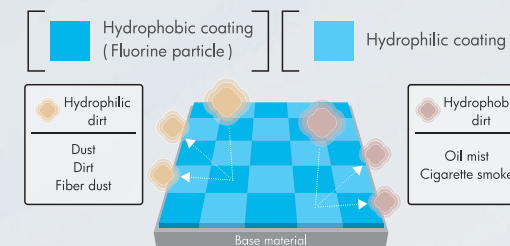


Dual Barrier Coating

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

State-of-the-art coating technology

Dual Barrier repels both types of dirt

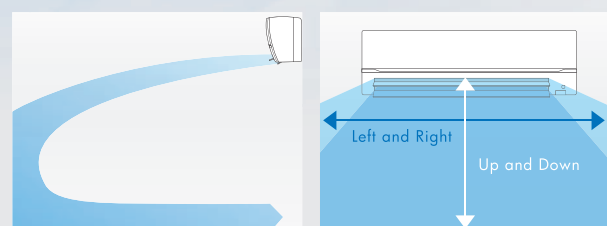


Dirt is generally classified into two groups. Dual Barrier Coating works as a two barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt.

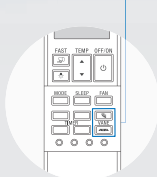
Auto Vane Control Up and Down/Left and Right

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

Horizontal Airflow / Auto Vane Control



Auto Vane Control Button



Left & Right

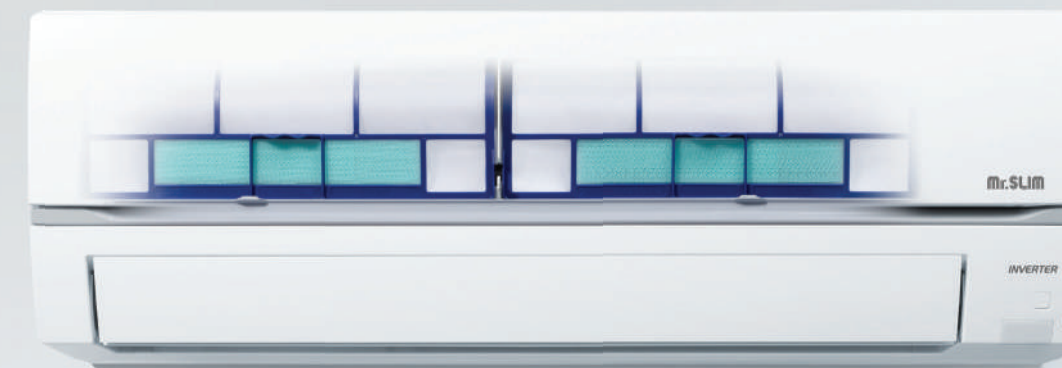
* Not available for MSY-GR10/13/15VF

Auto vanes can be set at 6 position and swing.



Up & Down

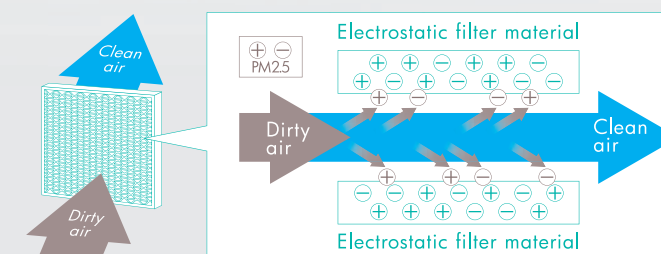
Auto vanes can be set at 5 positions and swing.



Micro Particle Catching Filter (Optional) and High Density Filter (Optional)

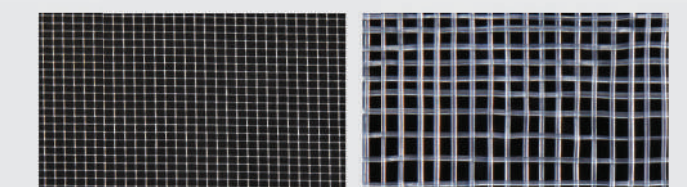
Effectively eliminate PM 2.5 and catch smaller dusts.

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



[Comparison of Density of filters]

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



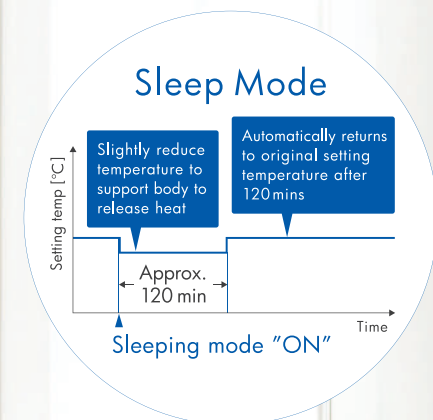
High Density Filter

Standard Filter

Quiet Operation

The indoor unit level is as low as 18 dB (A) offering a peaceful indoor environment.

(Model GR10)



New Remote Controller

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



Aerodynamics Technology

Realizing the quietest room air conditioner, MITSUBISHI ELECTRIC have ever launched.

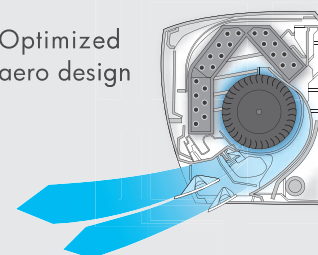
(Model GR10)

Cross-Flow-Fan

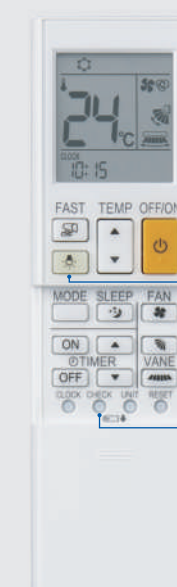


Our unique Cross Flow Fan construction guides air smoothly along each rotating blade as it simultaneously takes in and expels air. This allows for highly efficient delivery of powerful and refreshing airflow.

Optimized aero design

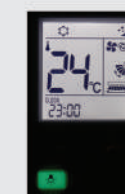


Optimized aero design utilizing 2 horizontal vanes and fixing suitable position of lower vane.



LED Backlight with luminous button

Once the luminous backlight button is pressed, the setting can be easily checked in the dark.



Error code display

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



*For the details, please refer to the operating Instructions

Simple and intuitive buttons



A Remote Controller That Fits You

Its compact design creates the perfect fit for your hand.



GR Series

Indoor Unit

GR10/13/15



| H280 x W838 x D229 (mm) |

GR18/22/26



| H325 x W1100 x D257 (mm) |

[Remote Controller]



Outdoor Unit

GR10/13



| H538 x W699 x D249 (mm) |

GR15/18



| H550 x W800 x D285 (mm) |

GR 22



| H714 x W800 x D285 (mm) |

GR 26



| H880 x W840 x D330 (mm) |

Functions and Features

- Joint Lap DC Motor
- Vector Wave Eco Inverter
- Micro Particle Catching Filter (Optional part)
- Vertical vane swing
- Long Airflow *GR18/22/26
- 24-Hour On/Off programmable timer
- Magnetic Flux Vector Sine Wave Drive
- PAM (Basic)
- Electrostatic Anti-allergy Enzyme Filter (Optional part)
- Auto vane control (Left & Right, Up & Down)
- LED Back Light with Luminous button
- Auto Restart
- Reluctant DC Rotary Compressor
- Anti-Mold filter
- Dual Barrier Coating
- Double Horizontal vane
- Fast Cooling Mode
- Error Code display on Remote Controller
- Heat Caulking Fixing Method
- High Density filter (Optional part)
- Horizontal vane swing
- Auto Fan Speed Mode
- Sleep Mode
- Blue Fin for Outdoor condenser (Corrosion toughness)

Specifications - GR Series

Type	Cooling only						
Model name	Indoor unit	MSY-GR10VF-DA1	MSY-GR13VF-DA1	MSY-GR15VF-DA1	MSY-GR18VF-DA1	MSY-GR22VF-DA1	MSY-GR26VF-DA1
	Outdoor unit	MUY-GR10VF-DA1	MUY-GR13VF-DA1	MUY-GR15VF-DA1	MUY-GR18VF-DA1	MUY-GR22VF-DA1	MUY-GR26VF-DA1
Refrigerant	R32						
Power supply	Source	Single phase230V, 50Hz					
		Outdoor power supply					
Capacity	Rated (Min-Max)	kW	2.8 (1.1-3.4)	3.7 (1.4-4.1)	4.2 (1.6-4.8)	5.2 (1.8-6.0)	6.6 (1.8-7.2)
	TR	TR	0.75	1.00	1.25	1.50	1.90
Total Input	Rated (Min-Max)	kW	0.76 (0.23-1.07)	1.01 (0.32-1.31)	1.18 (0.35-1.67)	1.36 (0.34-1.84)	1.72 (0.33-2.15)
ISEER			5.00	5.02	5.01	5.00	5.00
SPL	Indoor unit (Silent-Lo-Med-Hi-SHi)	dB(A)	18-24-31-38-42	19-24-31-38-43	25-29-35-40-46	27-33-38-44-49	28-36-41-45-51
Air Volume	Indoor unit (Silent-Lo-Med-Hi-SHi)	CFM	141-187-254-335-403	152-187-254-335-445	194-230-293-364-466	318-396-466-554-710	339-424-512-597-777
Operating Current		A	3.8	4.8	5.4	6.2	7.6
Indoor unit	Dimensions (H x W x D)	mm	280*838*229	280*838*229	280*838*229	325*1100*257	325*1100*257
	Weight	kg	10	10	10	17	17
Outdoor unit	Dimensions (H x W x D)	mm	538*699*249	538*699*249	550*800*285	550*800*285	714*800*285
	Weight	kg	21.5	24.5	30	31.5	38
Ext.Piping	Diameter Liquid	mm (inches)	6.35(1/4)	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)	15.88(5/8)
	Max.Length Out-In	m	20	20	20	20	30
	Max.Height Out-In	m	12	12	12	12	15
Star Rating							

Pre filter	ANTI-MOLD						
Air cleaning filter	Electrostatic Anti Allergy Enzyme Filter(OPT), Microparticle catching filter(PM2.5)(OPT)						
Timer		24h	24h	24h	24h	24h	24h
Vertical Swing		o	o	o	o	o	o
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	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 1.0	3C x 2.5
ODU Breaker Size	To ODU	A	10	10	10	10	16

GN Series

(Inverter Cooling Only)



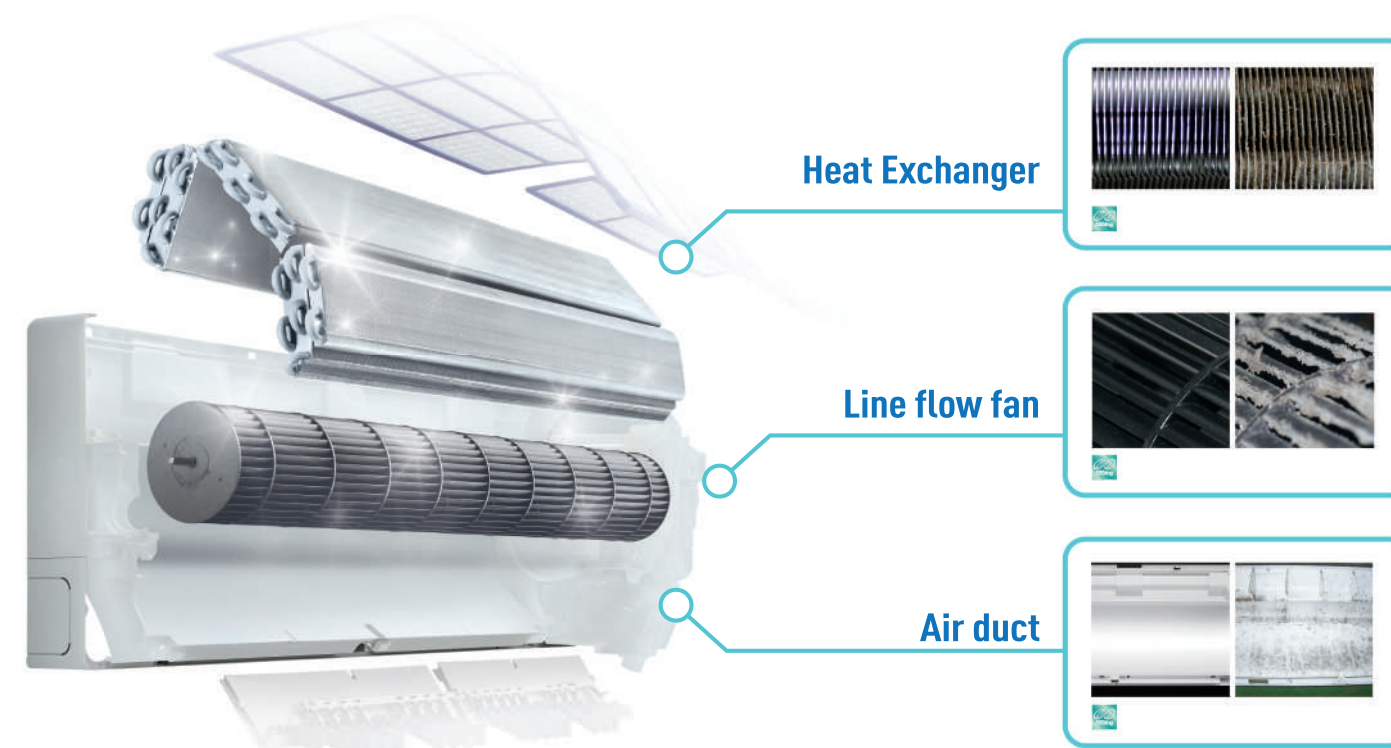
Dual Barrier Coating



COMFORT WITH
PROTECTION



MSY-GN 18/22 VF



Dual Barrier Coating



Reduce the attachment of “dust” and “oil” mist

Coating on the parts inside our Air Conditioners

• Heat Exchanger • Line flow fan • Air duct



Help the unit working at full performance



Reduce dirt which is the cause of bad smell



With less dirt, the necessity of cleaning the air-conditioner is also less

Reduce dust attachment: Full performance of cooling capacity

New technology from Mitsubishi Electric Mr. Slim which is invented to protect the air conditioner in order to be able to operate efficiently. With the special qualification of coating material which help to reduce the attachment of dust and oil mist which are mixed in the air that reduce the cause of odour and air conditioner cleaning burden.



New refrigerant which is environmental Friendly

Technology for air con and for green world for everyone. New refrigerant which do not destroy ozone and reduce green affect.

If the inside of your air conditioner gets dirty.





Inverter Technology

Mitsubishi Electric inverters ensure superior performance, including the optimum control of operational frequency. As a result, optimum power is applied in all cooling / heating ranges and maximum comfort is achieved while consuming minimal energy. Fast, comfortable operation at an amazingly low running cost - that's the Mitsubishi Electric promise.

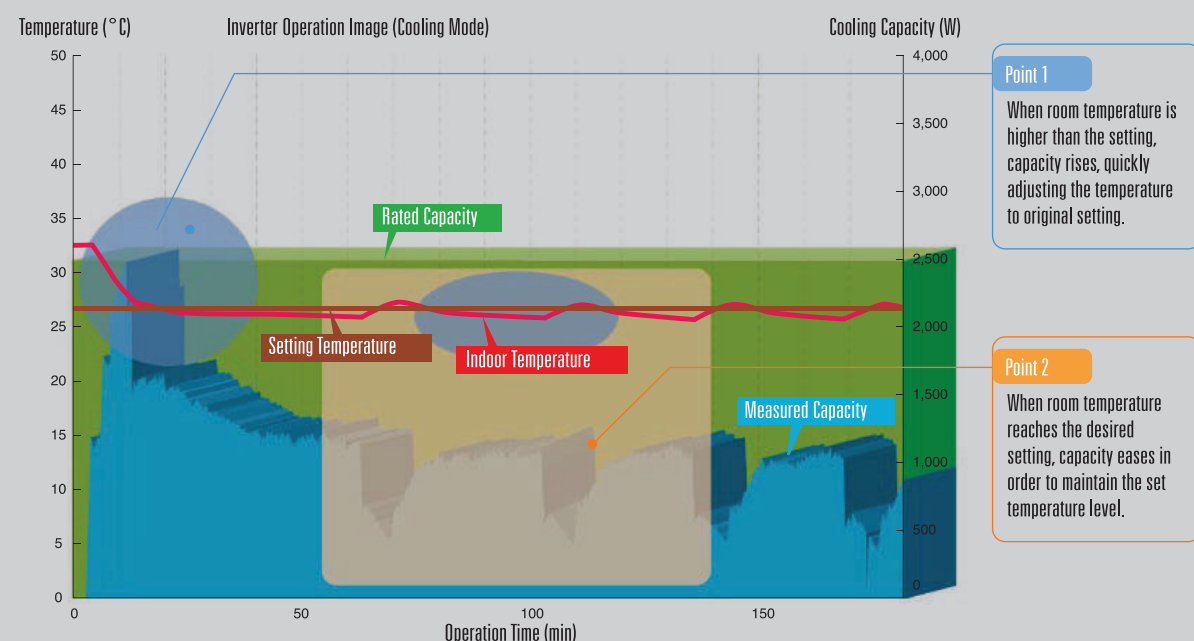
Inverters - How They Work

Inverters electronically control the electricity voltage, current and frequency of electronic devices, such as the compressor motor in the air conditioner. They receive information from sense-monitoring operation conditions and adjust the revolution speed of the compressor, which directly regulates the air conditioner output. Optimum control of operation frequency results in eliminating the consumption of excessive electricity and providing the most comfortable room environment.

Advanced Inverter Control - Efficient Operation All The Time

Mitsubishi Electric's cutting-edge inverter technology is crafted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity and thereby achieves an Energy Rank 'A' rating for 25 - 35 classes and 'A+' for 50 classes in accordance with the latest European energy label standards.

TRUE COMFORT COMPARISON OF AIR CONDITIONER OPERATION CONTROL WITH AND WITHOUT INVERTER.



Quick And Powerful

Increasing the compressor motor speed by controlling the operational frequency ensures a powerful output on start-up. It brings the room temperature to a comfortable level faster than units unequipped with an inverter. Hot rooms are cooled, and cold rooms are heated faster and more efficiently.

Room Temperature Maintained

The compressor motor operating frequency and the change in room temperature is monitored to calculate the most efficient waveform to maintain a comfortable room temperature. This eliminates the large temperature swings, common with non-inverter systems and guarantees a pleasant, comfortable environment.

OUR TECHNOLOGY



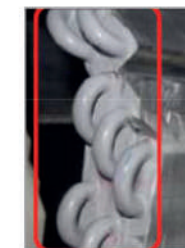
Blue fin
(anti corrosion)

Highly effective Anti-corrosion HEX is used in all outdoor units.

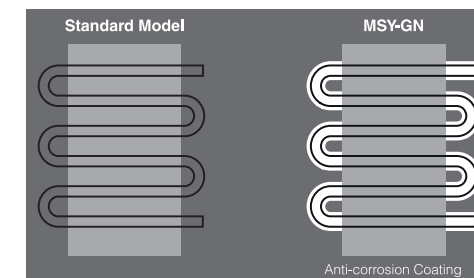
IDU Anti-corrosion Coating



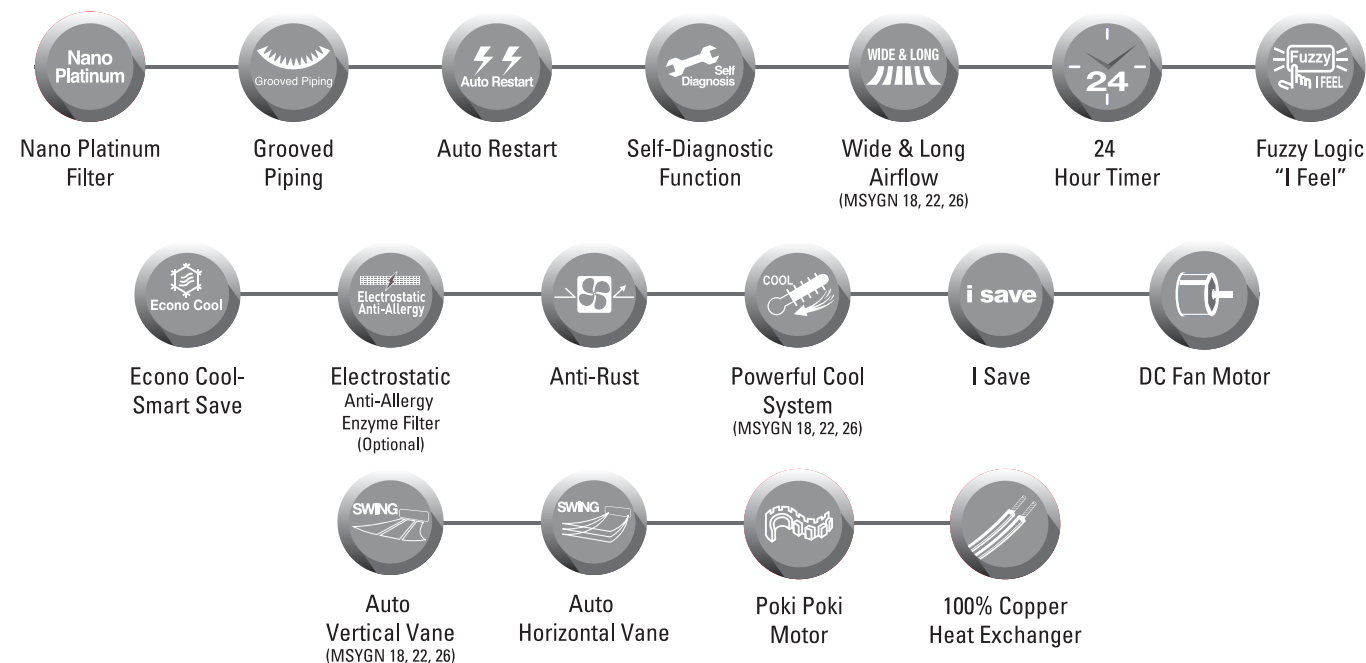
Before Coating



After Coating



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



MSY / MUY - GN Series



MSY-GN 10/13/15



MSY-GN 18/22



MSY-GN 26



MUY-GN 10/13/15/18



MUY-GN 22



MUY-GN 26

SPECIFICATIONS

MSY-GN Series

Type			Cooling only		
Model name	Indoor unit		MSY-GN10VF	MSY-GN13VF	MSY-GN15VF
	Outdoor unit		MUY-GN10VF	MUY-GN13VF	MUY-GN15VF
Refrigerant			R32		
Power supply	Source		Single phase, 230V, 50Hz		
			Outdoor power supply		
Capacity	Rated*	kW	2.8	3.7	4.2
	(Min-Max)	kW	(1.1-3.4)	(1.1-4.1)	(0.9-4.8)
	TR	TR	0.75	1.00	1.25
Total Input	Rated*	kW	0.76	1.00	1.16
ISEER			4.85	4.81	4.74
SPL	Indoor unit (Silent-Lo-Med-Hi-SHi)	dB(A)	19-24-31-38-44	19-24-31-38-44	26-29-35-40-46
Air Volume	Indoor unit (Silent-Lo-Med-Hi-SHi)	CFM	145-184-255-327-406	145-184-255-327-459	160-214-285-363-459
Operating Current		A	3.8	4.8	5.4
Indoor Unit	Dimensions (H x W x D)	mm	290 x 799 x 232	290 x 799 x 232	290 x 799 x 232
	Weight	kg	9	9.5	9.5
	Breaker Size (MCB required)	A	-	-	-
Outdoor Unit	Dimensions (H x W x D)	mm	550*800*285	550*800*285	550*800*285
	Weight	kg	28.5	32	32
	Breaker Size (MCB required)	A	10	10	10
Ext. Piping	Diameter Liquid	mm (inches)	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)
	Max. Length Out-In	m	20	20	20
	Max. Height Out-In	m	12	12	12
Star Rating					

Pre filter			NANO PLATINUM		
Air cleaning filter			ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER (Option)		
Timer			24hr		
Vertical Swing			-		
Wide and Long			-		
Control wiring (Copper)	ODU to IDU (Copper)	Sq.mm	4C x 1	4C x 1	4C x 1
Power cable (Copper)	To ODU	Sq.mm	3C x 1.0	3C x 1.0	3C x 1.0
ODU Breaker Size	To ODU	AMP	10	10	10

***Note:** Condition I Indoor 27°C DB/ 19°C WB I Outdoor 35°C DB I Indoor- outdoor piping length: 5m

Type			Cooling only		
Model name	Indoor unit		MSY-GN18VF	MSY-GN22VF	MSY-GN26VF
	Outdoor unit		MUY-GN18VF	MUY-GN22VF	MUY-GN26VF
Refrigerant			R32		
Power supply	Source		Single phase, 230V, 50Hz		
			Outdoor power supply		
Capacity	Rated*	kW	5.2	6.6	7.6
	(Min-Max)	kW	(1.5-6.0)	(1.5-7.2)	(2.4-9.2)
	TR	TR	1.50	1.90	2.20
Total Input	Rated*	kW	1.43	1.83	2.00
ISEER			4.58	4.65	4.79
SPL	Indoor unit (Silent-Lo-Med-Hi-SHi)	dB(A)	28-33-38-44-49	29-37-41-45-49	30-37-41-45-51
Air Volume	Indoor unit (Silent-Lo-Med-Hi-SHi)	CFM	303-379-430-529-650	240-322-430-522-603	308-378-449-520-734
Operating Current		A	6.6	8.2	8.8
Indoor Unit	Dimensions (H x W x D)	mm	305 x 923 x 250	305 x 923 x 250	325 x 1100 x 238
	Weight	kg	12.5	12.5	15
	Breaker Size (MCB required)	A	-	-	-
Outdoor Unit	Dimensions (H x W x D)	mm	550*800*285	714*800*285	880*840*330
	Weight	kg	32	37	48.5
	Breaker Size (MCB required)	A	10	16	20
Ext. Piping	Diameter Liquid	mm (inches)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Diameter Gas	mm (inches)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
	Max. Length Out-In	m	20	30	30
	Max. Height Out-In	m	12	12	15
Star Rating					

Pre filter			NANO PLATINUM		
Air cleaning filter			ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER (Option)		
Timer			24hr, Weekly		
Vertical Swing			•		
Wide and Long			•		
Control wiring (Copper)	ODU to IDU (Copper)	Sq.mm	4C x 1	4C x 1	4C x 1
Power cable (Copper)	To ODU	Sq.mm	3C x 1.0	3C x 2.0	3C x 2.5
ODU Breaker Size	To ODU	AMP	16	16	20

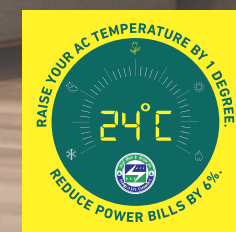
MSY-JR Series

(Inverter Cooling Only)

**SUPREMELY
POWERFUL ACs FOR
BIGGER ROOMS**



**DC
Inverter**



Mitsubishi Electric Inverter Technology

The JR 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.



Inverter Power Module



Inverter Power Module

The Inverter Power Module is the brain of the air conditioner. It minimizes power consumption by adjusting the frequency. The 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 utilizing original dense winding technology. 28% more wire as compared to conventional motor.

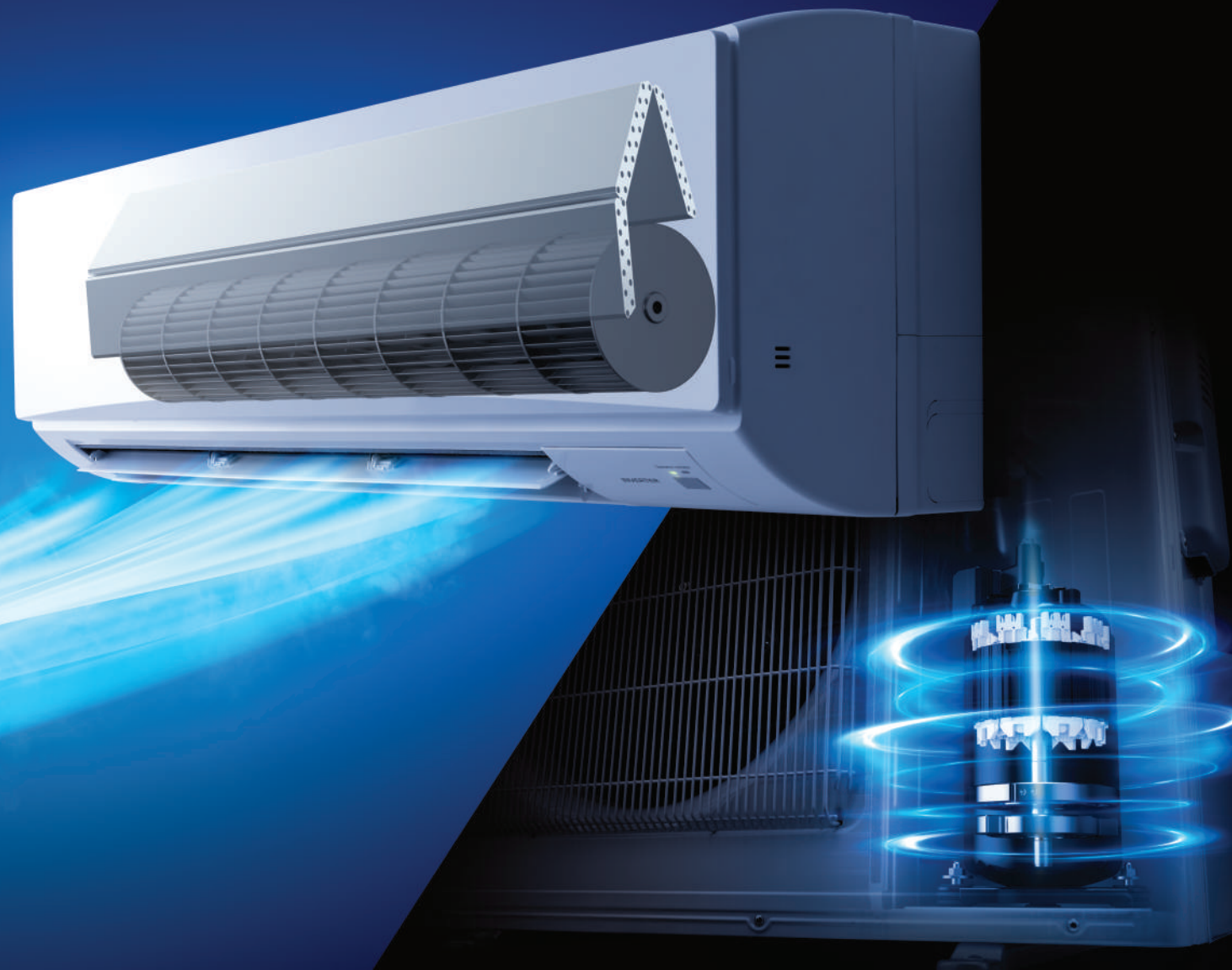


Heat Caulking

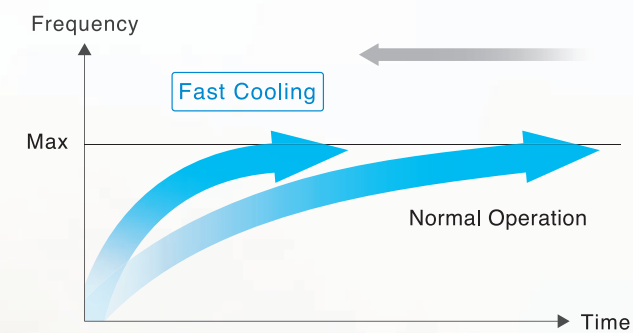
Original heat caulking method minimizes cylinder distortion for even greater efficiency.

Fast Cooling

Mitsubishi Electric's Fast Cooling brings instant refreshment & relief from the scorching heat and provides a comfortable environment.

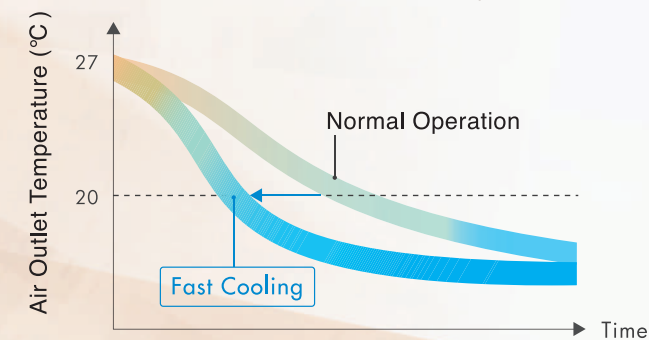


01 Compressor Frequency Image



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

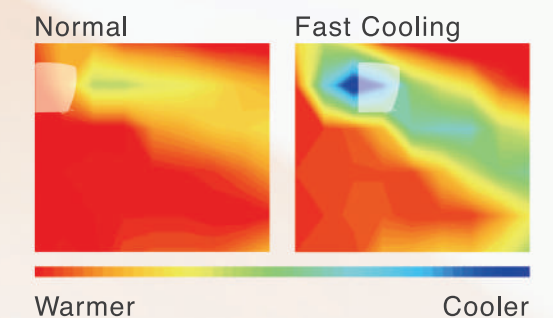
02 Air Outlet Temperature



Lowers the air outlet temperature faster than in normal operation.

03 Thermography

Quickly cools the room using the highest-volume and low-temperature airflow settings, within 2 minutes of operation.



04 Fast Cooling Button

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

Fast Cooling Once Activated
Continues For 15 Minutes.

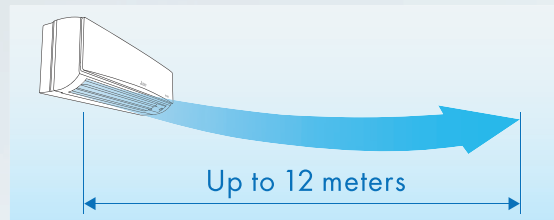


Long Airflow

Delivers substantial and comfortable airflow

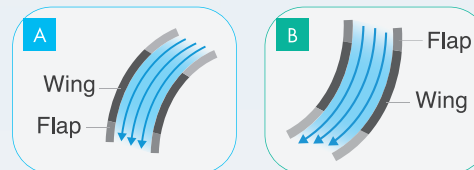


Delivers comfortable airflow up to 12 meters. Suitable for even large living rooms.



It's available when air direction is horizontal and fan speed is S-Hi.

CROSS FLOW FAN TECHNOLOGY



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.



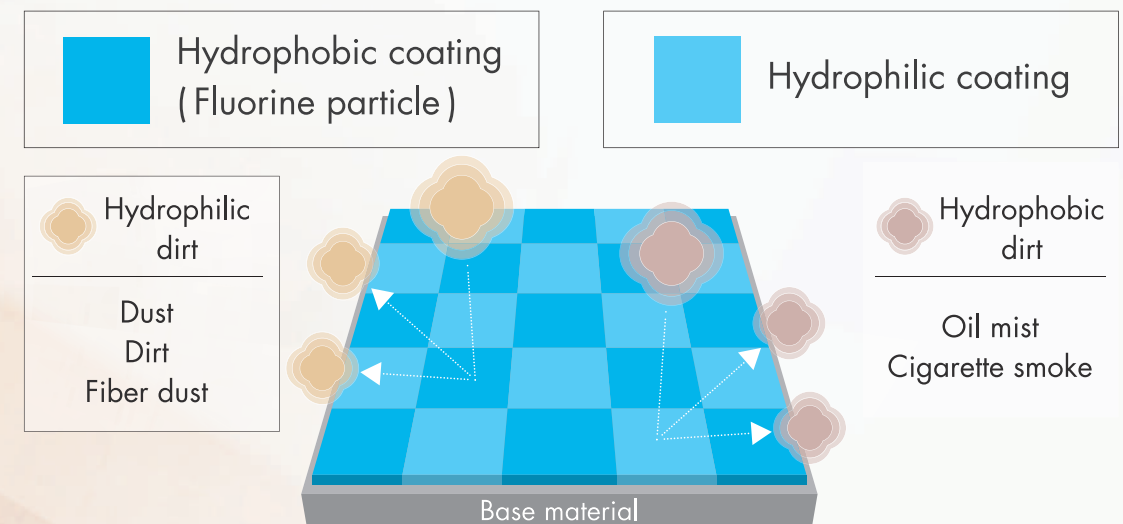
mitsubishi electric launched the World's First* Room Air Conditioner equipped with Cross Flow Fan in 1968.

*Based on Euromonitor International research

Dual Barrier Coating

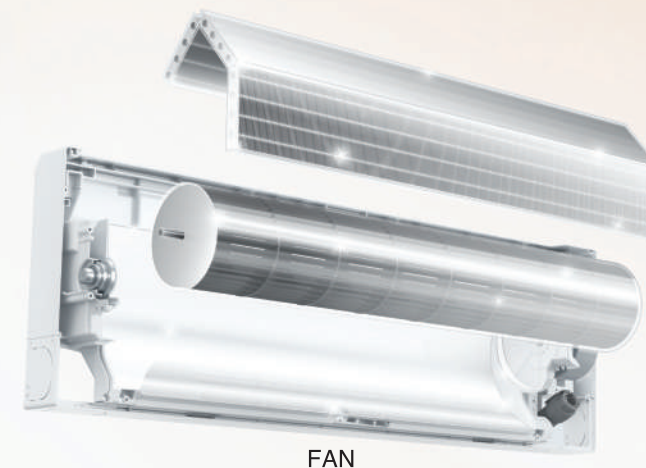
State-of-the-art Dual Barrier Coating technology prevents rust and greasy dirt from getting into the air conditioner.

Dual Barrier repels both types of dirt



Dirt is generally classified into two groups.

Dual Barrier Coating works as a barrier coating for both, with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt.



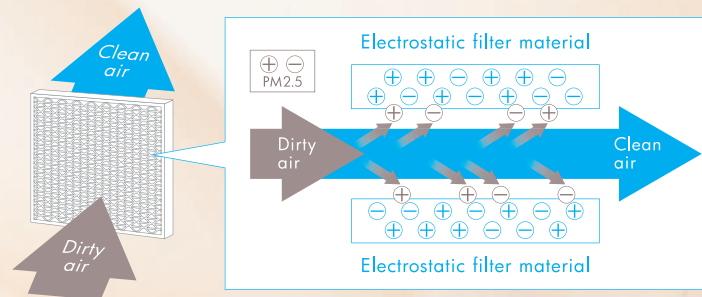
FAN



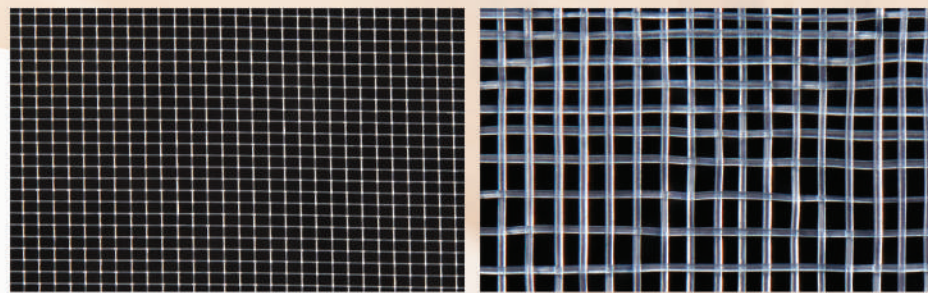
Image after 10years

Dual Barrier Coating used

Micro Particle Catching Filter and High Density Filter*



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



High Density Filter

Standard Filter

High Density Filter can prevent smaller dust from entering the inside of air conditioner.

Autovane Control Up And Down/Left And Right

Horizontal Airflow/Auto Vane Control



Up & Down

Auto vanes can be set at 5 positions and swing.



Auto vane can be moved to left & right, up & down

SWING

Left & Right

Auto vanes can be set at 6 position and swing.



SWING

Auto Vane Control Button



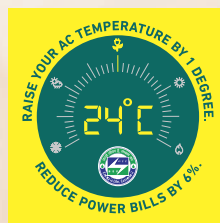
* Optional



MSY-JR Series FUNCTIONS & FEATURES

Joint Lap DC Motor	Computerised Dehumidification	Fuzzy Logic "I Feel"
PAM (Basic)	Electronic Metal Housing	Battery Replacement Indicator
Grooved Piping	24 Hour Timer	12m Long Airflow
Auto Vertical Vane (JR-30/36)	Self-diagnosis (IDU Blinking)	Auto Restart
Auto Horizontal Vane	Electrostatic Anti-allergy Enzyme Filter (Optional)	Blue Fin Condenser Toughness (JR-30/36)
Anti-rust	Dual Barrier Coating (FAN)	IDU Anti-corrosion Coating
Powerful Cool (JR-22/30)	Double Horizontal Vane (JR-30/36)	Sleep Mode (JR-36)
Anti-Mold Filter	Auto Fan Speed Mode	Error Code Display on RC (JR-36)
High Density Filter (Optional in JR-30/36)	DC Fan Motor	Fast Cooling (JR-36)
Micro Particle Catching Filter (Optional)	Econo Cool (JR-30)	

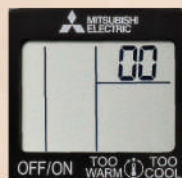
Remote Controller



24°C DEFAULT SETTING

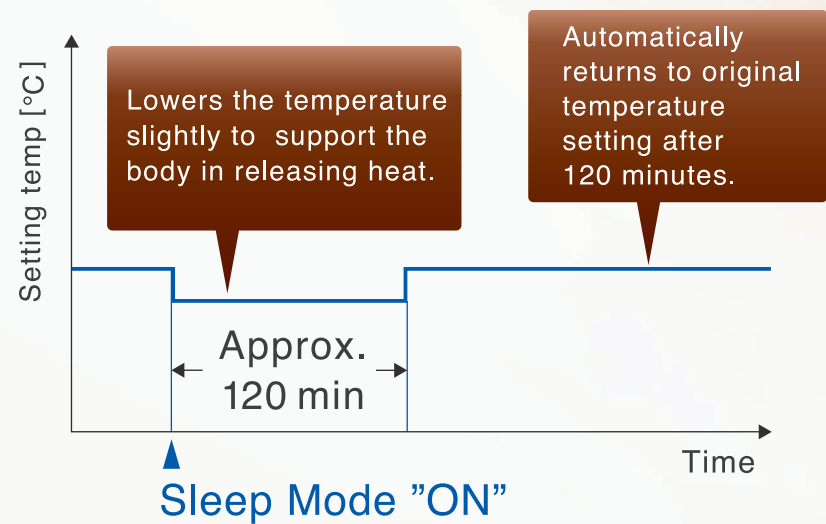


LUMINOUS BUTTONS



ERROR CODE DISPLAY

SLEEP MODE



MSY-JR Series Specifications

Type	Cooling Only				
Model Name	Indoor Unit		MSY-JR22VF	MSY-JR30VF	MSY-JR36VF
	Outdoor Unit		MUY-JR22VF	MUY-JR30VF	MUY-JR36VF
Refrigerant	R32				
Power Supply	Source	Single phase, 230V, 50Hz Outdoor power supply			
Capacity	Rated (Min-Max)	kW	6.6 (1.6-6.7)	8.2 (2.4-9.2)	10.0 (2.9-10.2)
	TR	TR	1.9	2.5	3.0
Total Input	Rated (Min-Max)	kW	2.01 (0.34-2.20)	2.53 (0.48-3.34)	3.45(0.60-3.50)
ISEER			4.22	4.36	4.00
SPL	Indoor Unit (Quiet-Lo-Med-Hi-SHi)	dB(A)	29-37-41-45-51	30-38-45-51	32-38-43-49-53
Air Volume	Indoor Unit (Quiet-Lo-Med-Hi-SHi)	CFM	254-335-417-537-671	307-413-519-735	360-508-621-784-935
Operating Current	Rated	A	9.2	11.6	15.3
	Max	A	12.5	16.5	16.7
Indoor Unit	Dimensions (H x W x D)	mm	305x923x250	325x1100x238	365x1175x295
	Weight	kg	12.5	15.0	20
Outdoor Unit	Dimensions (H x W x D)	mm	714x800x285	880x840x330	880x840x330
	Weight	kg	37.0	48.5	49
	Breaker Size (MCB required)	A	16	20	20
Ext. Piping	Diameter Liquid	mm (inches)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Diameter Gas	mm (inches)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Max.Length Out-In	m	30	30	30
	Max.Height Out-In	m	15	15	15
Star Rating					

Pre Filter	ANTI-MOLD/HIGH DENSITY FILTER (Option only for JR36)			
Air Cleaning Filter	ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER (Option), MICROPARTICLE CATCHING FILTER(Option)			
Timer		12h	24h	24h
Vertical Swing	Auto	-	○	○
	Manual	○	-	-
Wide and Long		-	○	-
"Control Wiring (Copper)"	ODU to IDU	Core No. x Sq.mm	4C x 1.0	4C x 1.0
"Power Cable (Copper)"	To ODU	Core No. x Sq.mm	3C x 2.0	3C x 2.5
"ODU Breaker Size"	To ODU	A	16	20

MSZ-HP SERIES

(Inverter Heat Pump)



SUMMER



46°C

APR

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

WINTER



-10°C

DEC

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



DC
Inverter

**FOR THE HOTTEST SUMMER DAY.
AND THE COLDEST WINTER NIGHT.**

FEATURES

01

Advanced inverter control- Efficient operation all the time
Mitsubishi Electric inverters ensure superior performance, including the optimum control of operational frequency. As a result, optimum power is applied in all cooling / heating ranges and maximum comfort is achieved while consuming minimal energy. Fast, comfortable operation at an amazingly low running cost - that's the Mitsubishi Electric promise.



02

R410A

Refrigerants that contain hydrochlorofluorocarbons such as HCFC-R22 with chlorine are a contributing factor to ozone layer depletion. R410A- a chlorine-free, non-inflammable, environment friendly and energy efficient alternative to R22, due to its pseudoazeotropic characteristics.

	Composition	Ozone depletion potential factor*	Toxicity	Stability
NEW REFRIGERANT R410A	Non-uniform boiling point composite refrigerant (HFC:R32/R125=50:50WT%)	0	NON	GOOD
CURRENT REFRIGERANT R22	Single component refrigerant (HCFC:R22=100WT%)	0.05	NON	GOOD

* Relative value when CFC is considered as 1



03

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 R22 refrigeration piping even when installing a new R410A model

Our R410A 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

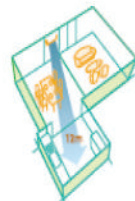
**Please consult MEI Team before Re - use of pipe



04

Long airflow

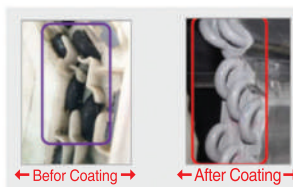
Use this function to ensure the airflow circulates to areas far across the room. Press Long Airflow icon on the remote controller to extend reach up to as far as 12 meters from the unit.



05

IDU anti-corrosion coating

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



06

Silver-ionized Air Purifier Filter

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



07

Anti-rust

All outdoor cabinets have been treated with special anti-rust painting.

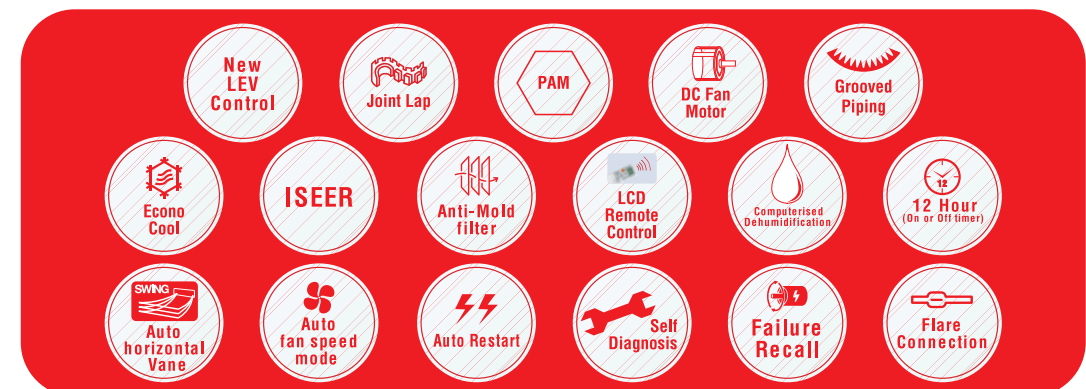


SPECIFICATIONS

Type	Heat pump				
Model name	Indoor unit		MSZ-HP13VA	MSZ-HP18VA	MSZ-HP24VA
	Outdoor unit		MUZ-HP13VA	MUZ-HP18VA	MUZ-HP24VA
Refrigerant	R410A				
Power supply	Source				
Cooling	Single phase, 230V, 50Hz				
	Indoor power supply				
	Capacity	Rated (Min-Max)	kW	3.15 (1.4-3.50)	5.20 (1.7-5.60)
		TR		1.00	1.50
	Total Input	Rated (Min-Max)	kW	1.04 (0.36-1.27)	1.57 (0.42-1.95)
	ISEER			3.62	4.63
Heating	SPL	Indoor unit (Lo-Med-Hi-SHi)	dB(A)	22-31-38-45	28-36-40-45
	Air Volume	Indoor unit (Lo-Med-Hi-SHi)	CFM	134-204-278-386	331-428-524-620
	Operating Current	Rated	A	5.1	7.0
	Capacity	Rated (Min-Max)	kW	3.60 (1.1-4.10)	5.40 (1.4-6.50)
		TR		1.00	1.50
	Total Input	Rated (Min-Max)	kW	0.995 (0.37-1.2)	1.48 (0.27-2.03)
Ext.Piping	SPL	Indoor unit (Lo-Med-Hi-SHi)	dB(A)	23-30-37-44	27-34-41-47
	Air Volume	Indoor unit (Lo-Med-Hi-SHi)	CFM	122-195-270-366	311-428-524-620
	Operating Current	Rated	A	4.7	6.6
	Indoor unit	Dimensions (H x W x D)	mm	290x799x232	305x923x250
		Weight	kg	9	13
	Outdoor unit	Dimensions (H x W x D)	mm	538x699x249	550x800x285
Star Rating		Weight	kg	25.0	36
		Breaker Size (MCB required)	A	10	16
		Diameter Liquid	mm (inches)	6.35(1/4)	6.35(1/4)
		Diameter Gas	mm (inches)	9.52(3/8)	12.7 (1/2)
		Max.Length Out-In	m	20	20
		Max.Height Out-In	m	12	12
Pre filter			ANTI-MOLD		
Air cleaning filter			Silver Ionised Air Purifier Filter (Option)		
Timer			12hr	12hr	12hr
Vertical Swing			-		
Wide and Long			-		
"Control wiring (Copper)"	IDU to ODU	Core No. x Sq.mm	4C x 1.0	4C x 2.0	4C x 2.0
"Power cable (Copper)"	To IDU	Core No. x Sq.mm	3C x 1.0	3C x 2.0	3C x 2.0
"Breaker Size"	To IDU	A	10	16	16

Compact, High Performance indoor and outdoor units and advanced inverter technologies provide superior energy savings and comfort in all rooms.

High energy efficient air conditioners with advanced Inverter Technology provides superior comfort round the season.



YJP Series

(Inverter Cooling Only)



Mr.Slim
New Range of Airconditioners



CREATING
YOUR COMFORT

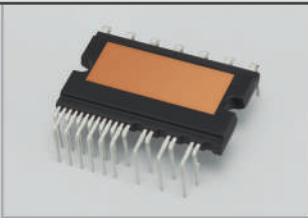
MITSUBISHI ELECTRIC

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

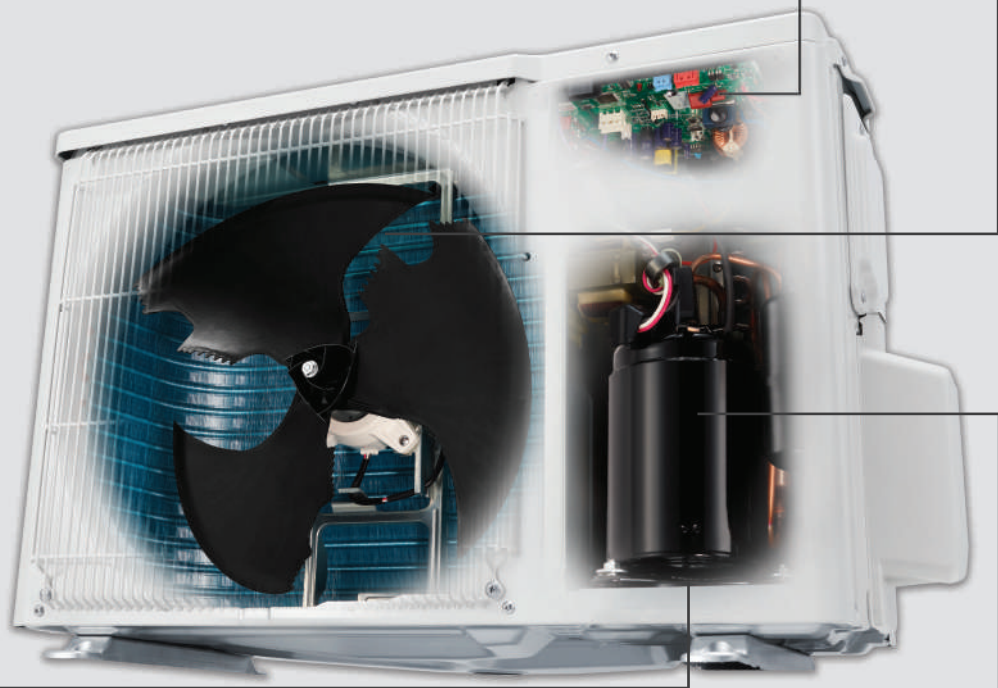


Newly designed propeller fan maximizes airflow efficiency. It delivers the most air volume with the least noise.

| 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.

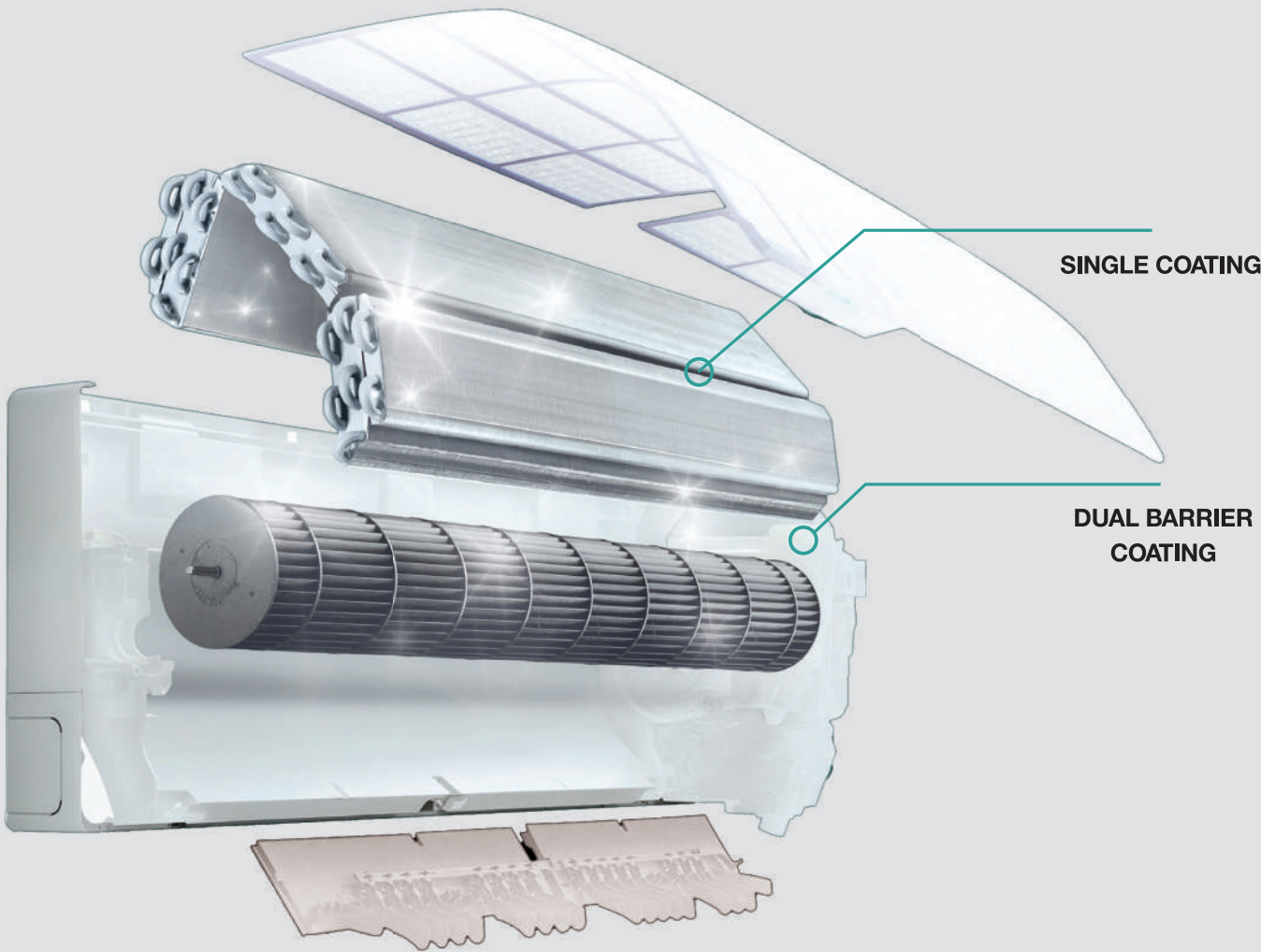


EASY MAINTENANCE

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 - 1st in Industry



Dual Barrier Coating

Kept clean for more comfortable room

If inside of air conditioner gets dirty...

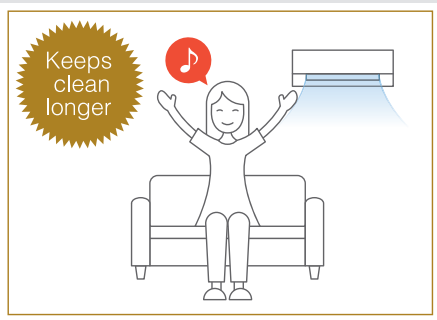
Power consumption increases!
UP!

Airflow volume reduces!

The air smells bad!

Air conditioner gets moldy!

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.



State-of-the-art coating technology

Dual Barrier Coating (Fan)

Single Coating (Heat exchanger)

Hydrophobic coating (Fluorine particle)

Hydrophilic coating

Hydrophobic dirt : Oil mist / Cigarette smoke

Hydrophilic dirt : Dust / Dirt / Fiber dust

IDU Anti-corrosion Coating

Before Coating

After Coating

Standard Model

MSY-JP

Anti-corrosion Coating

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

Comparison of dirt on Fan

Fan

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.

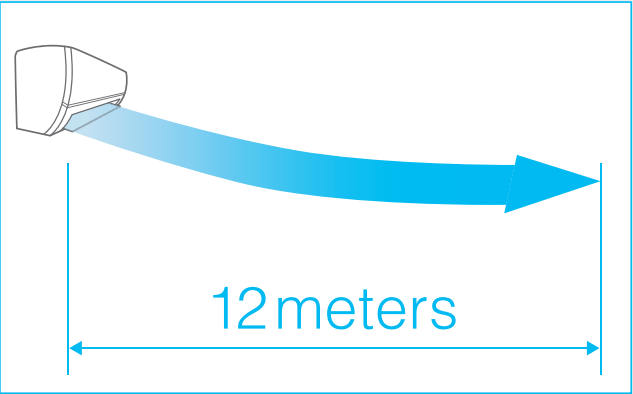
Image after 10years

Dual Barrier Coating used

AIR QUALITY

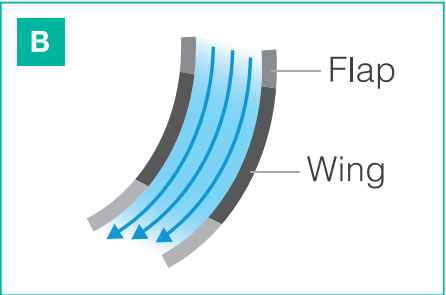
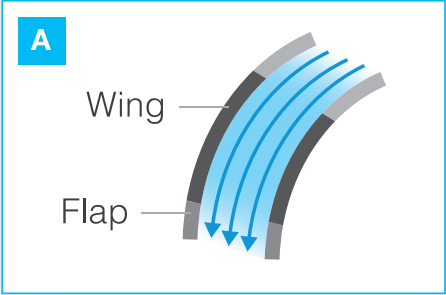


Projects air flow up to 12meters.
Suitable even for living rooms.



Model comparison	
○ MSY-JP 10/13/15/18VF	 8m
○ MSY-JP22VF	 12m

Cross Flow Fan Technology



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.

MICROPARTICLE CATCHING FILTER
(OPTIONAL)

Effectively eliminates PM2.5

LONG AIR FLOW

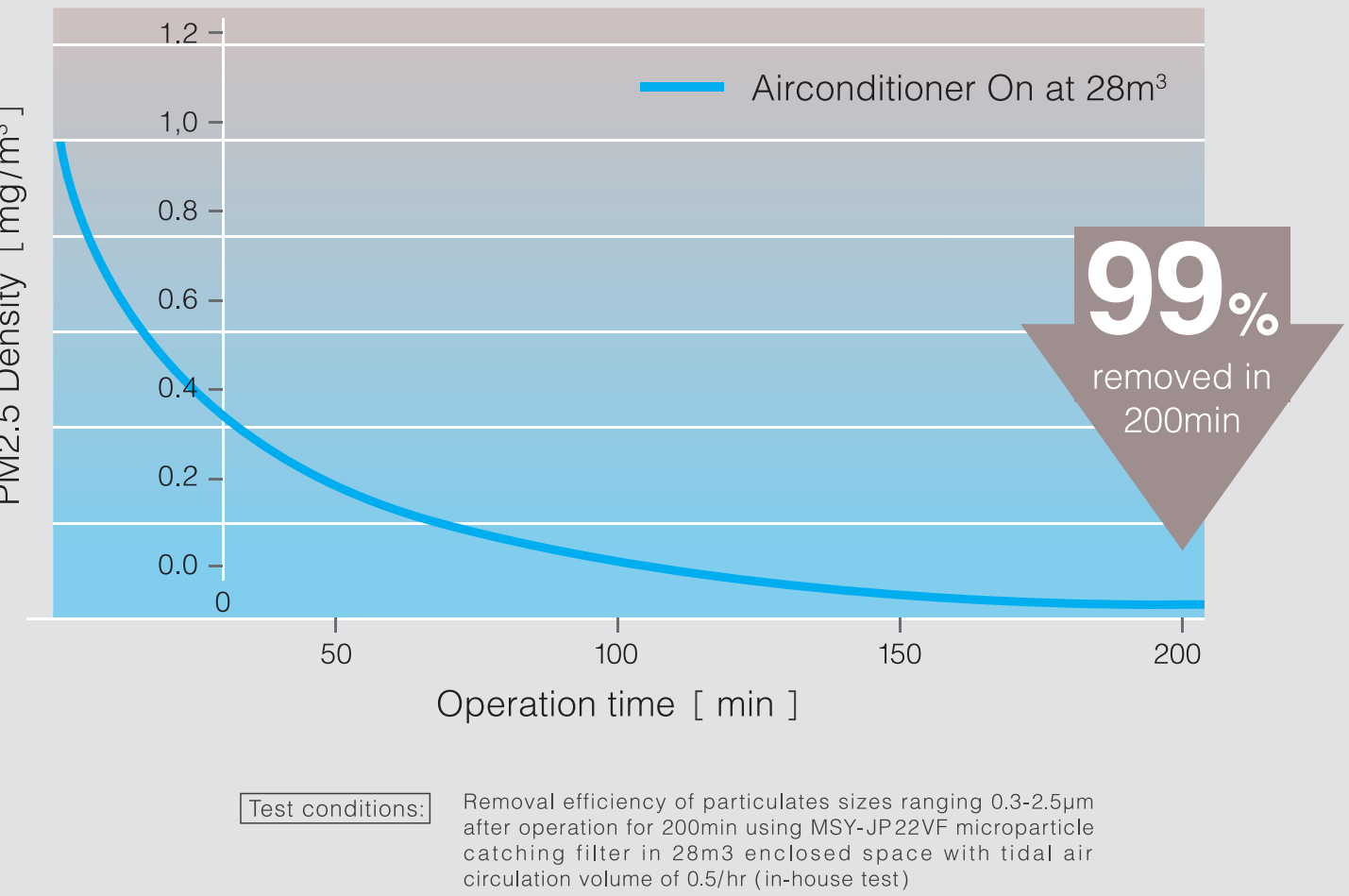
Delivers substantial and comfortable airflow



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

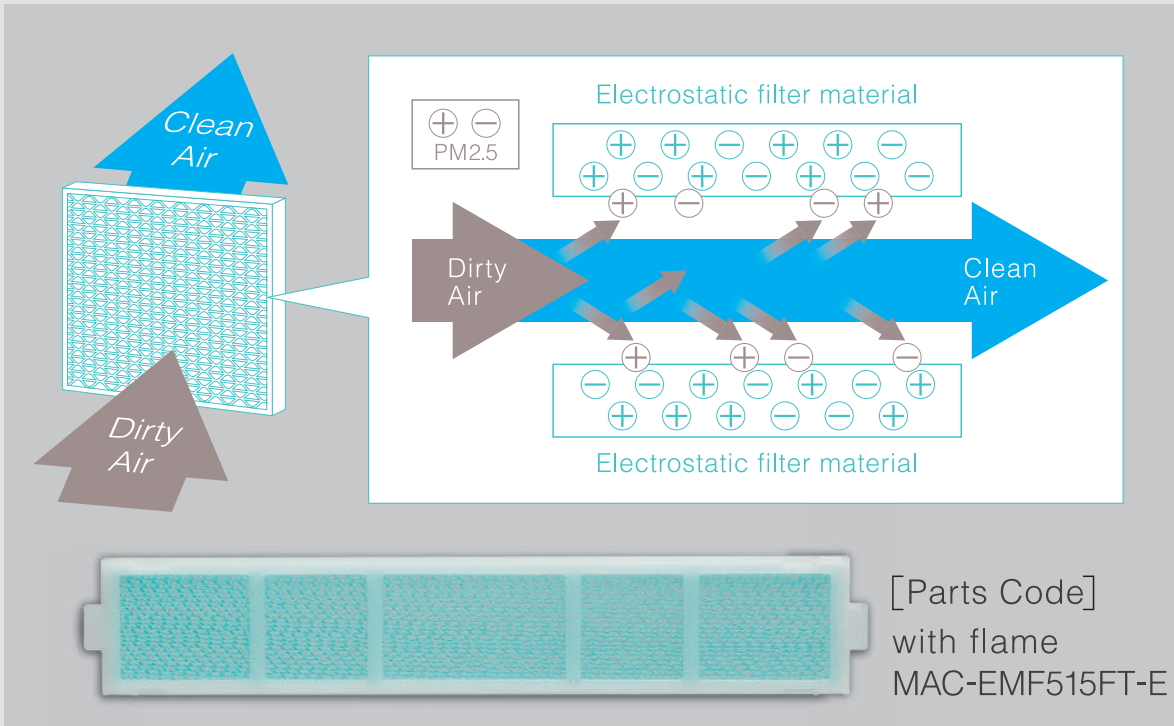
*Based on Euromonitor International research

PM2.5 Removal Efficiency



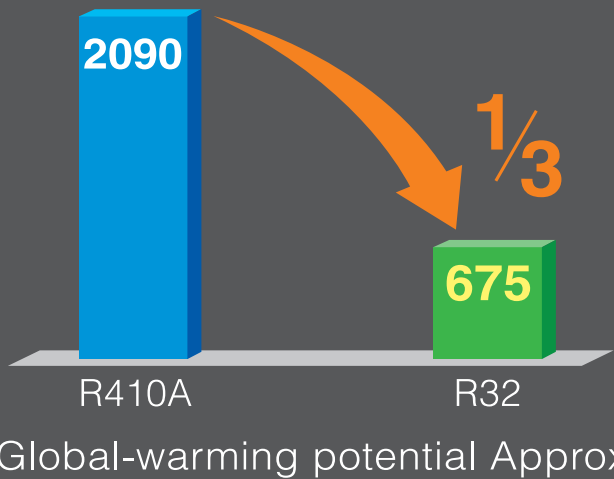
Effectively catches floating PM2.5 particles to maintain clean air in the room.

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



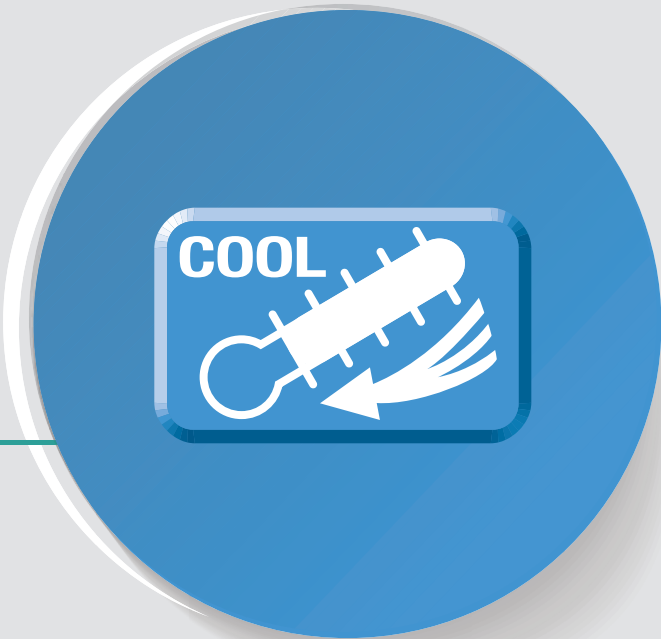
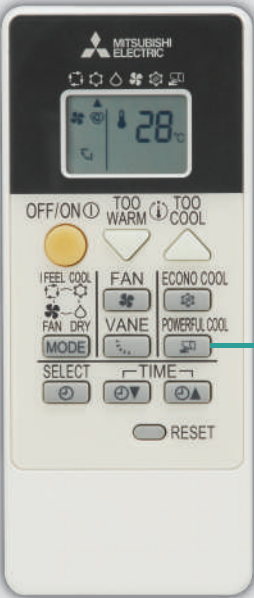
Comparison of Global-Warming Potential

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.



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



YJP 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 (Min-Max)	kW	2.6 (0.6-2.7)	3.6 (0.9-3.7)	4.2(1.2-4.2)	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)	1.44(0.35-1.59)	1.86(0.31-2.02)	1.95 (0.32-2.20)
ISEER			3.76	3.72	3.73	3.70	3.72
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	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	228-278-352-419-475	233-317-417-483-538	253-334-417-536-671
Operating Current	Rated	A	4.6	6	6.8	8.5	8.7
	Max	A	6.7	7.1	8.4	9.6	10.3
Indoor unit	Dimensions (H x W x D)	mm	280x838x228	280x838x228	280x838x228	280x838x228	305 x 923 x 250
	Weight	kg	8	8.5	8.5	9	12.5
Outdoor unit	Dimensions (H x W x D)	mm	454x660x235	538x698x249	538x698x249	550x800x285	550x800x285
	Weight	kg	18	22.5	24.5	31.5	31.5
Ext.Piping	Breaker Size (MCB required)	A	10	10	10	10	16
	Diameter Liquid	mm (inches)	6.35(1/4)	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)	12.7(1/2)
	Max.Length Out-In	m	20	20	20	20	30
	Max.Height Out-In	m	12	12	12	12	12
Star Rating			3star	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	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	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 1.0	3C x 2.0
"ODU Breaker Size"	To ODU	A	10	10	10	10	16

YJP Series

MITSUBISHI ELECTRIC
Air Conditioners
New Mr.SLIM Inverter



MSY-JP22VF

FUNCTIONS & FEATURES

Joint Lap DC Motor

Auto Restart

Anti-Mold filter

PAM (Basic)

Long Airflow *MSY-JP22VF

Econo Cool

Heat Caulking
Fixing Method

Grooved Piping

Vector Wave
Eco Inverter

Auto Fan Speed Mode

Reluctant DC
Rotary Compressor

Single Coating

Micro Particle Catching
Filter (Optional parts)

Horizontal vane swing

Magnetic Flux Vector
Sine Wave Drive

Blue Fin for
Outdoor condenser
(Corrosion toughness)

Electrostatic Anti-allergy
Enzyme Filter (Optional parts)

Electronic Metal
Housing Box

Dual Barrier
Coating



MSY-JP10/ 13/ 15/ 18VF

GK Series

(Non-Inverter Cooling Only)



Mr.SLIM

Range of Split Air Conditioner



Comfortable **ME**



Mitsubishi Electric's unwavering commitment to research and development is helping us create the next generation of groundbreaking technologies. Through our research centers around the world, we're taking on the challenges of technology to contribute to a better society in the future.

	Composition	Ozone depletion potential factor*	Toxicity	Stability
NEW REFRIGERANT R410A	Non-uniform boiling point composite refrigerant (HFC:R32/R125=50:50WT%)	0	NON	GOOD
CURRENT REFRIGERANT R22	Single component refrigerant (HCFC:R22=100WT%)	0.05	NON	GOOD

* Relative value when CFC is considered as 1

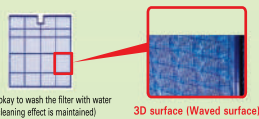
Many scientist believe that refrigerants that contain hydrochlorofluorocarbons such as HCFC-R22 with chlorine are a contributing factor to this problem. R410A - a chlorine-free, non-inflammable, environmentally friendly and energy efficient refrigerant offers a new alternative, in addition to the properties just mentioned, R410A is a easy to handle as the environmentally unfriendly R22 because of its pseudoazeotropic characteristics.

R410A is also highly efficient and provides the same level of performance as R22

Nano Platinum Filter

The filter has a large capture area and incorporates nanometre-sized platinum - ceramic particales that work to kill bacteria and deodourise the circulating air. Better dust collection than conventional filters is also ensured.

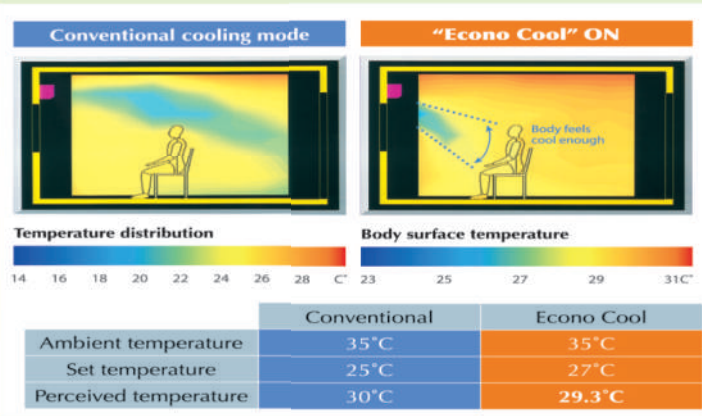
*Available in MS-GK Series



Econo Cool - smart save

The Econo Cool one touch operation automatically adjusts the direction of airflow based on the temperature at the air outlet. The set temperature can therefore be 2°C above conventional temperature settings without loss of comfort and with a 20%increase in energy efficiency.

Ensures greater comfort even when the temperature setting is 2 °C above conventional settings.



Electrostatic Anti- Allergy Enzyme Filter

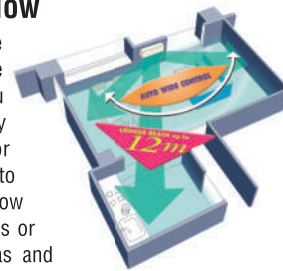
The filter is charged with static electricity, enable it to trap allergens such as molds and bacteria and decompose them using enzymes retained in the filter.

*Optional



Wide & Long Airflow

Bringing extra comfort to your life, left-right vane can be automatically controlled by remote controller. Simply use of Wide vane mode, you can easily adjust direction of airflow to reach any corner of the room. The high-power motor combines with a newly designed "long mode" to push air out further, providing an extended airflow that can reach the far end of long living rooms or each the kitchen in open-concept living areas and studios. When operating in Long mode, the airflow can be extended as far as 12m.



Improved efficiency with 7-way airflow



By combining the use of Wide-vand mode and Long and vane mode, you can adjust airflow horizontal 7 directions and vertical 6 directions. Exclusive to Mitsubishi Electric, this advantage ensures maximum control over air direction and flow up to 42 ways, which guarantee that the air conditioning effect isn't wasted, where it isn't needed.



LCD Remote Control

From temperature and operation mode to air volume and direction, you'll be able to customize your environment at a touch of a button. Large, easy-to-identify buttons allow for easy access to frequently used functions. The generous LCD display lets you check temperature and other operating conditions at a glance, while an easy open slide cover prevents inadvertent operation of preset controls and other functions.

Auto Mode: We offer you an easy way to comfort with auto mode. "Auto Vane" is created to set the vane angle automatically. These could let ideal temperature to be achieved in the shortest amount of time.

Mode Change : Change to "I FEEL"- "COOL"- "FAN"- "DRY"

Area Settings : Efficient cooling is realized for the target space.



Fuzzy Logic "I Feel"

In the room too hot or cold, too dry or humid? On auto mode selection, the fuzzy logic control system adjusts conditions to suit you. Your selected temperature setting is stored in the memory system and reproduced automatically each time you operate your air conditioning.



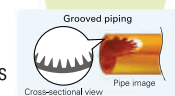
Electronic Metal Housing Box

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



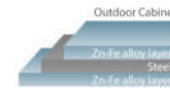
Grooved Piping

High-performance grooved piping is used in heat exchangers to increase the heat exchange area



Anti-rust

All outdoor cabinets have been treated with special anti-rust painting.



Powerful Cool

The automatic, one-touch Powerful Cool system ensures faster cooling. It produces 10% more airflow than the "high fan" speed, cooling the room in less than 15 minutes, then automatically returning to the regular setting.



Computerized dehumidification

Eliminate dampness without lowering the temperature for healthier, more comfortable air-conditioning, while enjoying great year-round economy.



24 Hour Timer

On/Off operation can be set simultaneously in 10-minute increment for a 24-hour period.



12 Hour On and Off Timer



Auto Restart

This function permits automatic return to previous operation conditions after a sudden power black-out. You can now sleep peacefully all through the night without having to get up and turn your air-conditioner back on.



Self-diagnostic function

In the unlikely event of a malfunction, the LED on the indoor unit flashes to indicate the exact spor to be checked.



Auto Vertical Vane

The air outlet vane swings left and right so that the airflow is spread quickly I n the room.

* Available in MS-GK18/24



Auto Horizontal Vane

The air outlet vane swings up and down so that the airflow is spread evenly throughout the room



DC Fan Motor

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

MS-GK Series



MS-GK10/13/VA



LCD Remote
Controller



MS-GK18/24/VA



LCD Remote
Controller



MU-GK10/13 VA



MU-GK18 VA



MU-GK24 VA

Specifications - GK Series

Indoor Unit				MS-GK10VA	MS-GK13VA	MS-GK18VA	MS-GK24VA
Outdoor Unit				MU-GK10VA	MU-GK13VA	MU-GK18VA	MU-GK24VA
Power Supply	Source			Outdoor Power supply			
	Outdoor(V/Phase/Hz)			230V/SinglePhase/50Hz			
Function				Cooling Only			
Capacity		Rated	kW	2.7	3.6	5.2	6.6
		TR	TR	0.75	1.0	1.5	2.0
Total Input		Rated	kW	0.740	1.000	1.450	1.850
EER				3.65	3.60	3.59	3.57
Sound Level (SPL)		Indoor Unit (Lo/Mid/Hi/Shi)	dB(A)	26/32/38/44	29/36/42/46	35/ 41/47/53	37/42/47/53
Air Volume		Indoor Unit	CFM	448	477	777	777
Operating Current			A	3.3	4.5	6.4	8.2
Indoor Unit	Dimensions	H*W*D	mm	290 x 799 x 232		325 x 1100 x 238	
	Weight		kg	9	10	16	
Outdoor Unit	Dimensions	H*W*D	mm	525 x 718 x 255		550x800x285	880 x 840 x 330
	Weight		kg	24.5	33.5	40	63
	Breaker Size (MCB required)		A	10	10	15	20
Ext.Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	6.35 / 15.88
	Max.Length	Out-In	m	20	20	30	30
	Max.Height	Out-In	m	10	10	10	10
Refrigerant				R410A	R410A	R410A	R410A
BEE Star Rating							

Mr.SLIM
New Range of Split Air Conditioner

JP
Series
(Non-Inverter Cooling Only)



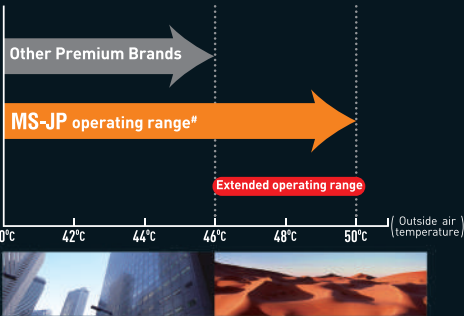
Guaranteed Operating Range
Up to **50°C**



**Guaranteed Operating Range
Up to 50°C**

Tropical Technology

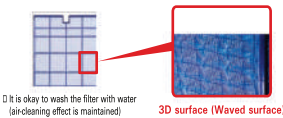
Mitsubishi Electric introduces the new Tropical Specification series. New technologies used in the compressor has made it possible for units to operate at outside air temperatures as high as 50°C. The new Tropical Specification series is perfect for cooling homes in tropical regions.



*Available in MS-JP 13/18/24BF

NANO Platinum Filter

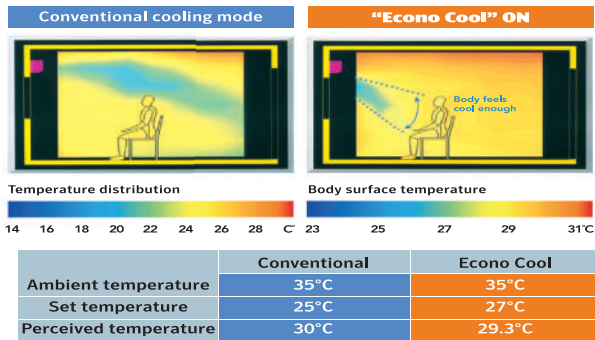
The filter has a large capture area and incorporates nanometre-sized platinum – ceramic particles that work to kill bacteria and deodorise the circulating air. Better dust collection than conventional filters is also ensured.



Econo Cool – Smart Save

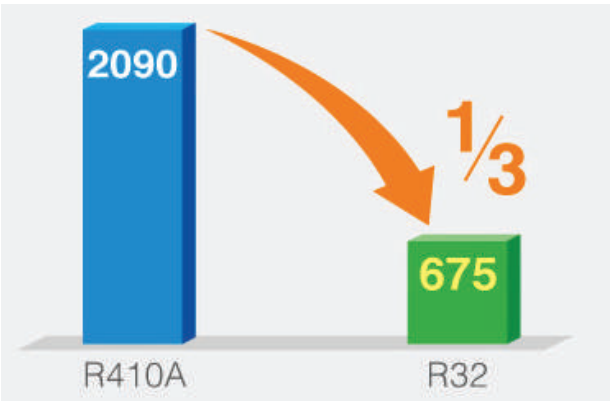
The Econo Cool one touch operation automatically adjusts the direction of airflow based on the temperature at the air outlet. The set temperature can therefore be 2°C above conventional temperature settings without loss of comfort and with a 20% increase in energy efficiency.

Ensures greater comfort even when the temperature setting is 2°C above conventional settings.



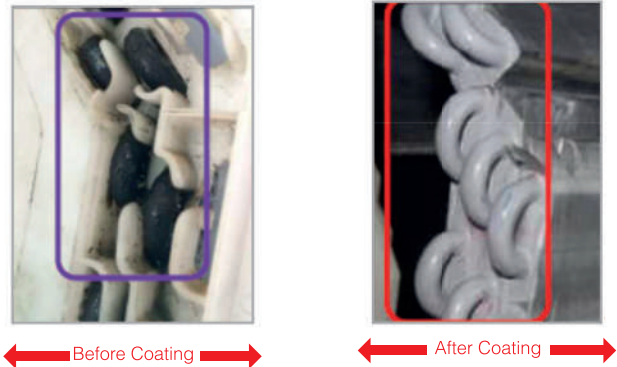
Comparison of Global Warming Potential

New R32 refrigerant has a global warming potential approximately 1/3 that of our current refrigerant. R410 A: 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.

IDU Anti-corrosion Coating



Anti Rust

All outdoor cabinets have been treated with special anti-rust painting.

Grooved Piping

High-performance grooved piping is used in heat exchangers to increase the heat exchange area.

Computerized Dehumidification

Eliminate dampness without lowering the temperature for healthier, more comfortable air conditioning, while enjoying great year-round economy.

100% Copper Heat Exchanger

LCD Remote Control

Electrostatic Anti-allergy Enzyme Filter

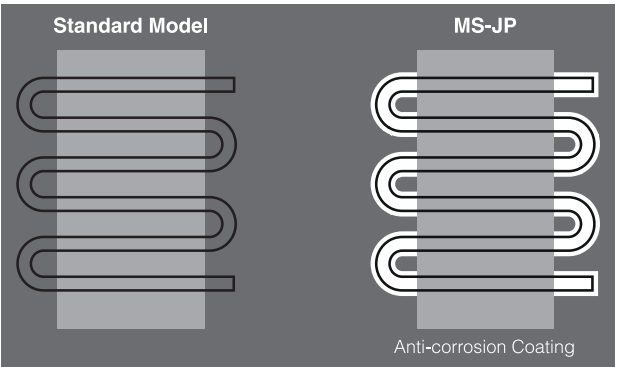
The filter is changed with static electricity, enables it to trap allergens such as molds and bacteria and decompose them using enzymes retained in the filter. *Optional

Fuzzy Logic “I Feel”

Is the room too hot or cold, too dry or humid? On auto mode selection, the fuzzy logic control system adjusts conditions to suit you. Your selected temperature setting is stored in the memory system and reproduced automatically each time you operate your air conditioning.

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.



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

24 Hour Timer

On/Off operation can be set simultaneously in 10 minute increment for a 24 hour period.

Powerful Cool

The automatic, one-touch powerful cool system ensures faster cooling. It produces 10% more airflow than the “high fan” speed, cooling the room in less than 15 minutes, then automatically returning to the regular setting.

12 Hour On and Off Timer

Auto Restart

This function permits automatic return to previous operation conditions after a sudden power blackout.

Self-diagnostic Function

In the unlikely event of a malfunction, the LED on the indoor unit flashes to indicate the exact spot to be checked.

Auto Horizontal Vane

The air outlet vane swings up and down so that the airflow is spread evenly throughout the room.

Anti Mold

Nano platinum air purifying filter suppresses fungal growth to keep the air fresh and free of mold at all time.

DC Fan Motor

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

Specification Table

Type	Cooling only			
Model name	Indoor unit		MS-JP10VF	MS-JP13VF
	Outdoor unit		MU-JP10VF	MU-JP13VF
Refrigerant	R32			
Power supply	Source		Single phase, 230V, 50Hz	
			Outdoor power supply	
Capacity	Rated	kW	2.65	3.60
	Max	kW	2.65	3.60
Total Input	Rated	kW	0.77	1.06
ISEER			3.44	3.40
SPL	Indoor unit (Lo-Med-Hi-SHi)	dB(A)	26-33-40-47	29-37-42-47
Air Volume	Indoor unit (Lo-Med-Hi-SHi)	CFM	162-212-311-422	217-270-340-408
Operating Current	Rated	A	3.4	4.7
Indoor unit	Dimensions (H x W x D)	mm	290x799x232	
	Weight	kg	9	
Outdoor unit	Dimensions (H x W x D)	mm	525x718x255	
	Weight	kg	24.5	31.5
Ext.Piping	Breaker Size (MCB required)	A	10	10
	Diameter Liquid	mm (inches)	6.35(1/4)	6.35(1/4)
	Diameter Gas	mm (inches)	9.52(3/8)	9.52(3/8)
	Max.Length Out-In	m	20	20
	Max.Height Out-In	m	10	10
Star Rating				

Pre filter	ANTI-MOLD			
Air cleaning filter	ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER (Option)			
Timer			12h	12h
Control wiring (Copper)	ODU to IDU	Core No.xSq.mm	4C x 1.0	4C x 1.0
Power cable (Copper)	To ODU	Core No.xSq.mm	3C x 1.0	3C x 1.0
ODU Breaker Size	To ODU	A	10	10

MS-JP SERIES



MS-JP18/24VF



MU-JP24VF



MU-JP10/13/18VF



MS-JP10/13VF

Specification Table

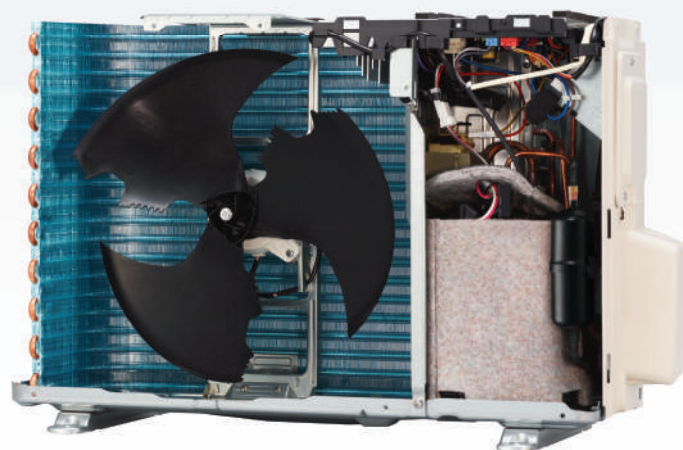
Type	Cooling only			
Model name	Indoor unit		MS-JP18VF	MS-JP24VF
	Outdoor unit		MU-JP18VF	MU-JP24VF
Refrigerant	R32			
Power supply	Source		Single phase, 230V, 50Hz	
			Outdoor power supply	
Capacity	Rated	kW	5.35	6.60
	Max	kW	5.35	6.60
Total Input	Rated	kW	1.59	1.96
ISEER			3.36	3.37
SPL	Indoor unit (Lo-Med-Hi-SHi)	dB(A)	34-39-44-49	35-41-46-51
Air Volume	Indoor unit (Lo-Med-Hi-SHi)	CFM	427-507-585-699	427-490-585-764
Operating Current	Rated	A	7.1	8.9
Indoor unit	Dimensions (H x W x D)	mm	325x1100x238	
	Weight	kg	15	
Outdoor unit	Dimensions (H x W x D)	mm	525x718x255	880x840x330
	Weight	kg	32.5	50.5
Ext.Piping	Breaker Size (MCB required)	A	15	20
	Diameter Liquid	mm (inches)	6.35(1/4)	6.35(1/4)
	Diameter Gas	mm (inches)	12.7(1/2)	15.88(5/8)
	Max.Length Out-In	m	20	30
	Max.Height Out-In	m	10	10
Star Rating				

Pre filter	ANTI-MOLD			
Air cleaning filter	ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER (Option)			
Timer			12h	12h
Control wiring (Copper)	ODU to IDU	Core No.xSq.mm	4C x 1.0	4C x 1.0
Power cable (Copper)	To ODU	Core No.xSq.mm	3C x 2.5	3C x 2.5
ODU Breaker Size	To ODU	A	15	20



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.

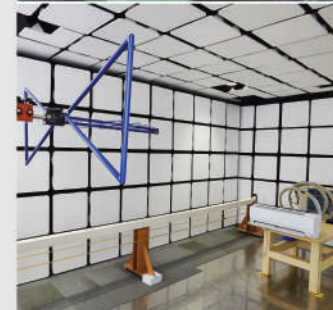


Development

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.



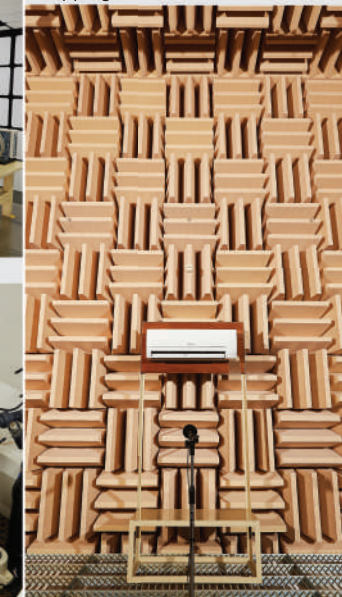
Dropping Test



Electromagnetic Compatibility Test



Salt Spray Test



Anechoic Chamber Noise Test

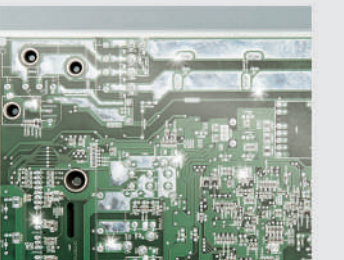
Design

In order to ensure our customers mind and for a long time, we select invest great care when designing

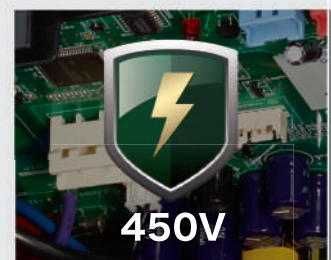
can use our products with peace of high-quality durable parts, and and assembling our products.



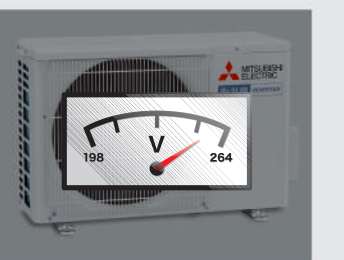
Ensure its reliable operation and preventing fire accident in case of short circuit.



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.

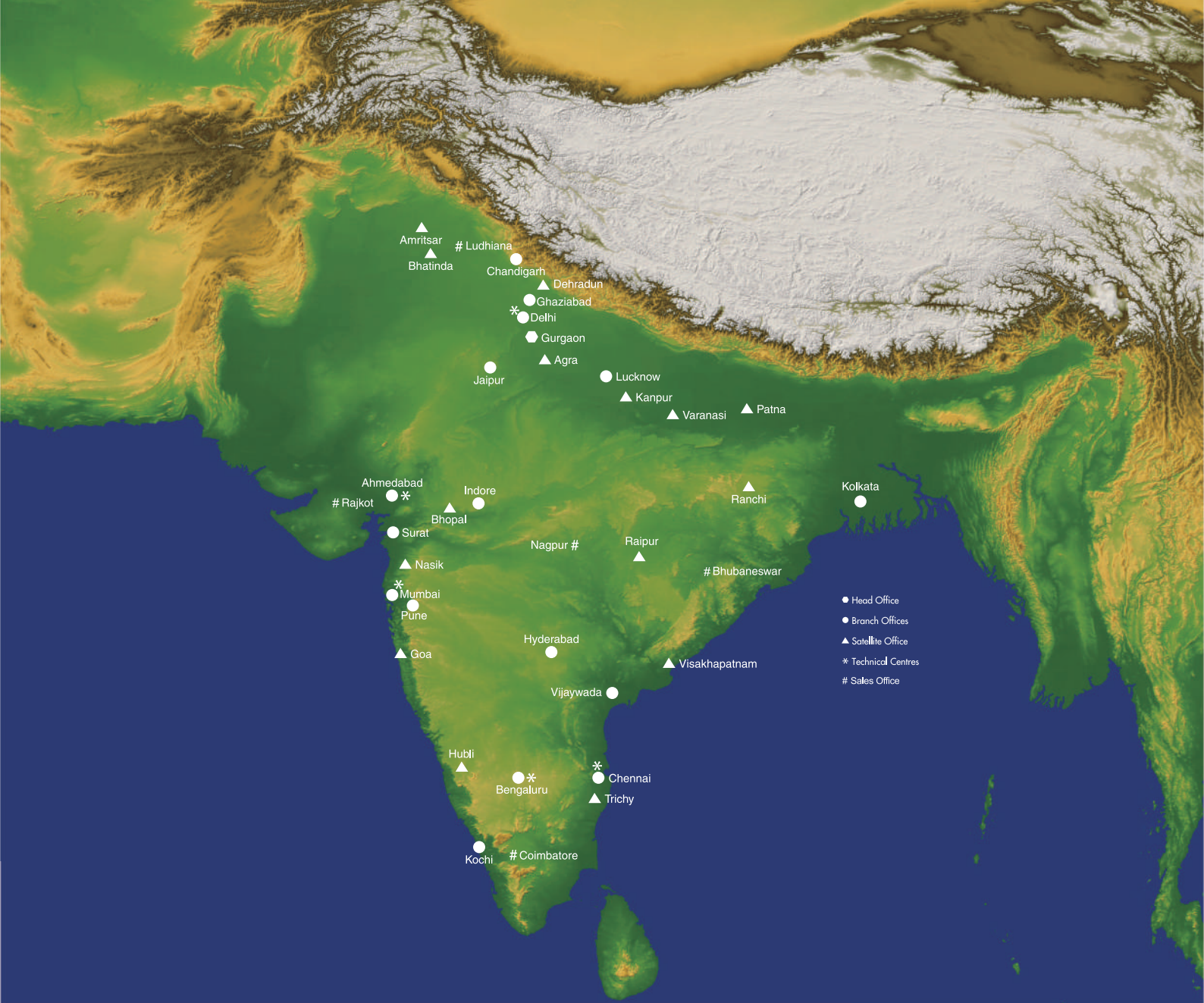


Anti-rust painting and galvanized steel protect cabinet even under harsh environment.

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.

HEAD OFFICE: 2nd Floor, Tower A & B, DLF Cyber Greens, DLF Cyber City, DLF Phase 3, Gurgaon - 122002 (Haryana)
Tel. No.: (Main): 0124-6739300 Fax: 0124-4630399 Website: in.MitsubishiElectric.com Email: customersupport@asia.meap.com

Customer Care Toll Free No - 1800 102 2626

TECHNICAL CENTERS:

Ahmedabad - 079-67777874; Bengaluru - 080-40201600; Chennai - 044-49232222; Delhi - 011-65057900; Mumbai - 022-66116200

BRANCH/SALES OFFICES: Ahmedabad - 079-67777888; Bengaluru - 080-40201600; Bhubaneswar - 09073949597; Coimbatore - 0422-4385606; Chandigarh - 0172-4601645; Chennai - 044-49232222; Delhi - 011-65057900; Ghaziabad - 0120-4093681; 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 - 0712-2284020; Pune - 09922441773; Rajkot - 09586605009; Surat - 0261-4003111; Vijaywada - 08498894567.

SATELLITE OFFICES: Agra - 09536900140; Amritsar - 09780021037; Aurangabad - 09922441773; Bhopal - 08448397998; Bhatinda - 099155766101; Dehradun - 08800878763; Goa - 09167113443; Hubli - 0844-8398010; Kanpur - 07755007767; Patna - 09073949596; Raipur - 08448397997; Ranchi - 0973949598; Trichy - 09205599022; Varanasi - 09559302666; Vizag - 09205987308



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 or call on Toll free number 1800 102 2626.

 **MITSUBISHI
ELECTRIC**
AIR CONDITIONERS