



*Changes for the Better*

AIR CONDITIONERS



# GR-T Series



*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**



\* 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 utilizing original dense winding technology.

Heat Caulking

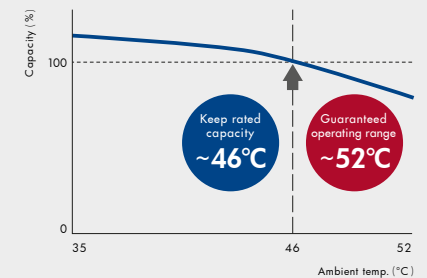


The original heat caulking method minimizes cylinder distortion for even greater efficiency.



## 04 High cooling performance even in tropical condition

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

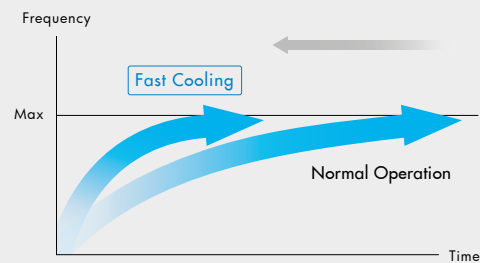


# Fast Cooling

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.

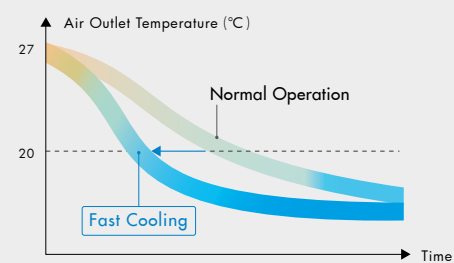


## 01 Compressor Frequency Image



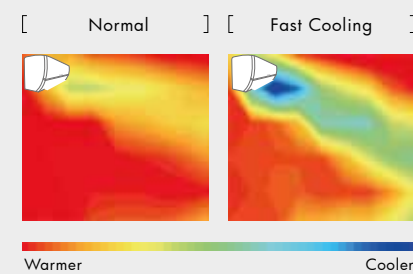
Pressing the Fast Cooling button makes the compressor reach its maximum frequency remarkably faster than in Normal Operation.

## 02 Air Outlet Temperature



Lowers the air outlet temperature faster than Inverter Normal Operation.

## 03 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



# Auto Vane Control Up and Down/Left and Right

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

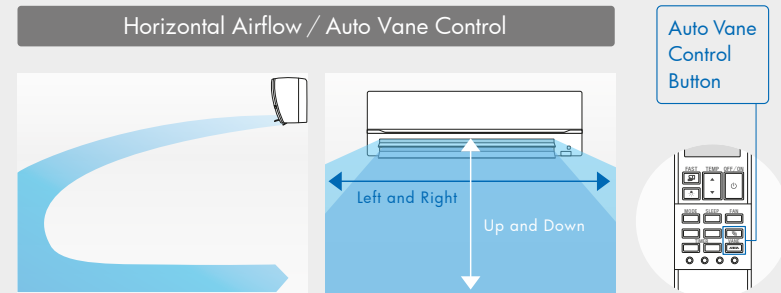


### Model comparison

○ MSY-GR18/22VFT ..... 12 m

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

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



### 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.

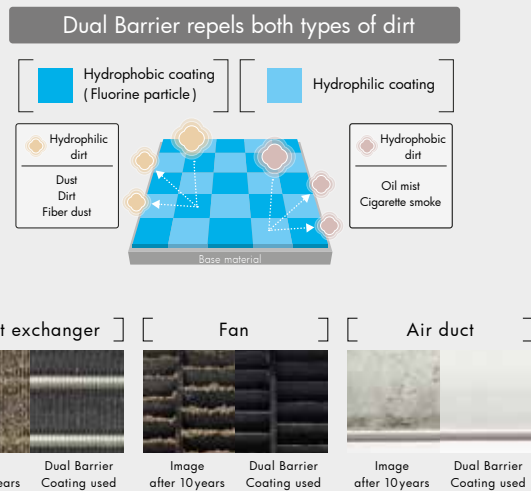




## Dual Barrier Coating

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

### State-of-the-art coating technology



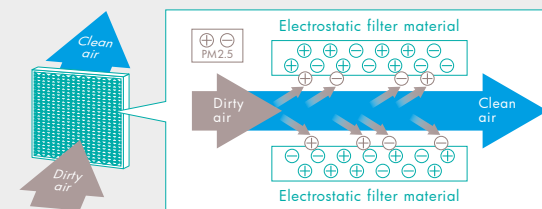
Dirt is generally classified into two groups. Dual Barrier Coating works as a two barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt.



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

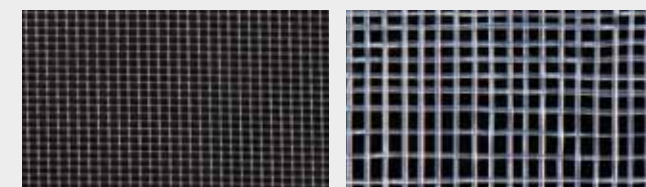
Effectively eliminate PM 2.5 and catch smaller dusts.

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.



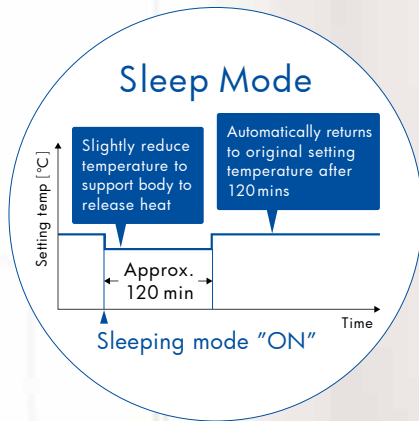
High Density Filter

Standard Filter

# Quiet Operation

The indoor noise unit level is as low as 27dB (A) offering a peaceful indoor environment.

(Model GRT18)



# Aerodynamics Technology

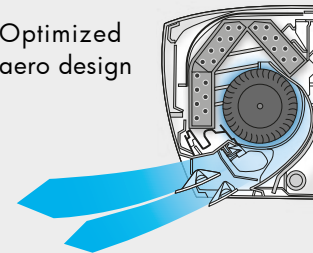
key factors to realize quiet air conditioners

## 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.



# New Remote Controller

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



### 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 troubleshooting.



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

### Simple and intuitive buttons



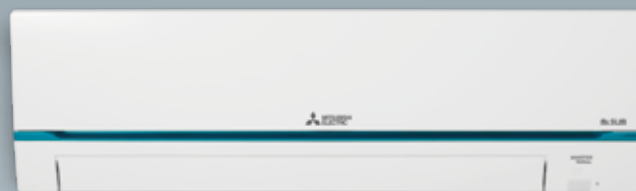
### A Remote Controller That Fits You

Its compact design creates the perfect fit for your hand.

# GR(T) Series

## [ Indoor Unit ]

GR18/22VFT



| H325 x W1100 x D257(mm) |

[ Remote Controller ]



## [ Outdoor Unit ]

GR18/22VFT



| H714 x W800 x D285 (mm) |

## Functions and Features

Joint Lap DC Motor	Magnetic Flux Vector Sine Wave Drive	Reluctant DC Rotary Compressor	Heat Caulking Fixing Method	Vector Wave Eco Inverter	PAM (Basic)
Anti-Mold filter	High Density filter (Optional part)	Micro Particle Catching Filter (Optional part)	Electrostatic Anti-allergy Enzyme Filter (Optional part)	Dual Barrier Coating	Horizontal vane swing
Vertical vane swing	Auto vane control (Left & Right, Up & Down)	Double Horizontal vane	Auto Fan Speed Mode	Long Airflow	LED Back Light with Luminous button
Fast Cooling Mode	Sleep Mode	24-Hour On/Off programmable timer	Auto Restart	Error Code display on Remote Controller	Blue Fin for Outdoorcondenser (Corrosion toughness)
Grooved Piping	Guaranteed Ambient Operating Range up to 52°C	Keep Rated Capacity up to Ambient temp, 46°C			

# GR(T) Series

Type	Inverter Cooling only			
Model name	Indoor unit		MSY-GR18VFT	MSY-GR22VFT
	Outdoor unit		MUY-GR18VFT	MUY-GR22VFT
Cooling Capacity*	Rated (Min-Max)	Watt	5200 (1800-6000)	6600 (1800-7200)
Star Rating			4 Star	
Energy Efficiency			5.00	5.00
Power Input	ISEER	Watt	1360 (330/1530)	1720 (330/2150)
Air Volume	Rated (Min-Max)	CFM	318/396/466/554/717	339/424/512/597/784
Noise Level	Indoor unit (Quiet-Lo-Med-Hi-Turbo)	dB(A)	27/33/38/44/49	28/36/41/45/51
Refrigerant	Indoor unit (Quiet-Lo-Med-Hi-Turbo)		R32	
Power supply		V	230V	
Power Input Range	Voltage	V	198-264V	
Operating Current	Voltage	A	6.20	7.60
Indoor unit	Rated	mm	325x1100x257	
	Net Dimensions (H x W x D)	kg	17.00	
Outdoor unit	Net Weight	mm	714x800x285	
	Net Dimensions (H x W x D)	kg	38.00	
Pipe Size	Net Weight	mm (inches)	6.35 (1/4")	
	Diameter Liquid	mm (inches)	12.7 (1/2")	15.88 (5/8")
	Diameter Gas	m	30	
	Max.Length	m	15	
Ambient Operating Range	Max.Elevation	°C	52°	
Control wiring (Copper)		Core No. x Sq.mm	4 Core x 1.0 sq.mm	
Power cable (Copper)	ODU to IDU	Core No. x Sq.mm	3 Core x 2sq.mm	
ODU Breaker Size	IDU to ODU	A	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

# ADDING MORE YEARS TO A COMFORTABLE LIFESTYLE

The entire range of Mitsubishi Electric Room Air Conditioners now comes with **WARRANTY UP TO 10 YEARS** with **NO HIDDEN CHARGES**



**5\*** YEAR WARRANTY ON PCB

**10\*** YEAR WARRANTY ON COMPRESSOR

CUSTOMER CARE NO. **1800 102 2626** T&C APPLY



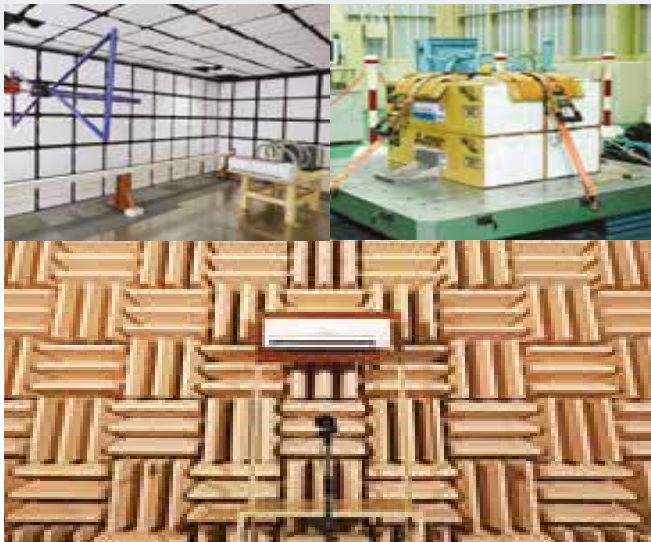
# Mitsubishi MElectric Quality

## 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.

## 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.



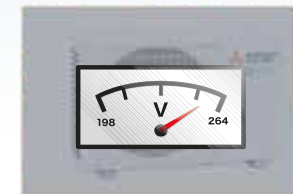
Special coating prevents any damages from humidity and insects.



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.



**GR-T**  
Series

## OUR PRESENCE

### MITSUBISHI ELECTRIC INDIA PVT. LTD.

#### GURUGRAM HEAD OFFICE

3rd Floor, Tower A, Global Gateway, M.G. Road,  
Gurugram – 122002, Haryana, India.

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,  
Mumbai: 022-66116200

For service support



**Customer Care (Toll Free)**  
**1800 102 2626**



- ★ Head Office
- Branch Offices
- ▲ Satellite Offices
- ★ Technical Centres
- # Sales Offices
- ★ Manufacturing Facility

\*Map for reference purpose only.

For more details



#### 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, Bengaluru: 08065301600  
Coimbatore: 0422-4385606, Hyderabad: 040-43438888  
Kochi: 0484-4862093, Vijayawada: 08498894567

#### SATELLITE OFFICES

##### North Zone

Agra: 09536900140, Dehradun: 08800878763  
Kanpur: 09205987322, Varanasi: 09410245883

##### 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