 **MITSUBISHI
ELECTRIC**
AIR CONDITIONERS

Changes for the Better



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



* 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

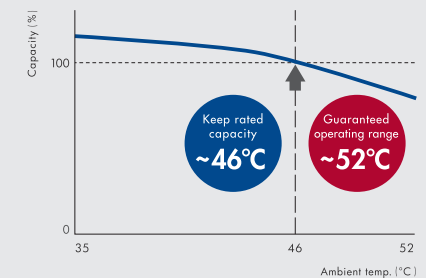


The original heat caulking method minimizes cylinder distortion for even greater efficiency.



04 High cooling performance even in tropical condition

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

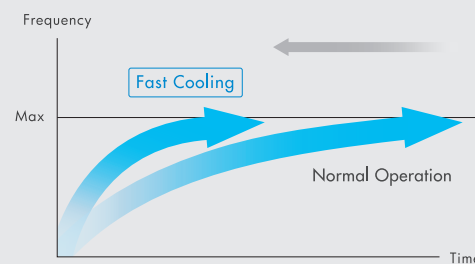


Fast Cooling

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

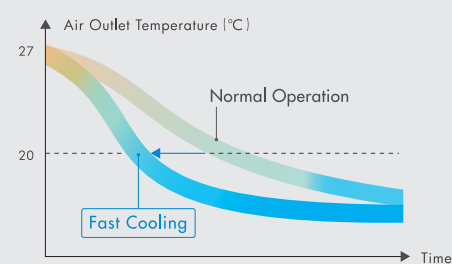


01 Compressor Frequency image



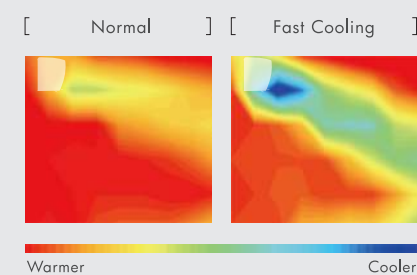
Pressing the Fast Cooling button makes the compressor reach its maximum frequency remarkably faster than in Normal Operation.

02 Air Outlet Temperature



Lowers the air outlet temperature faster than Inverter Normal Operation.

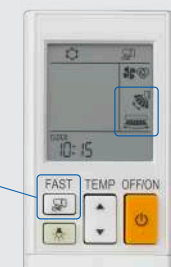
03 Thermography



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

04 Fast Cooling button

Once activated, this mode continues for 15 minutes.



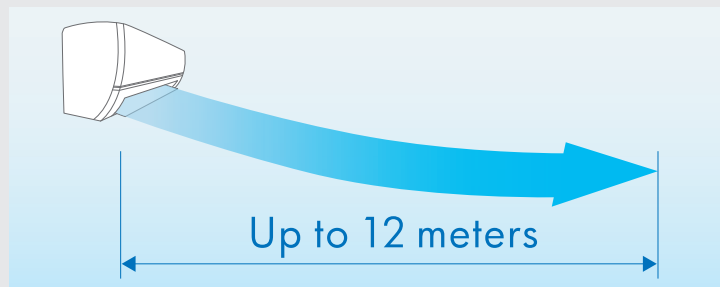
Fast Cooling mode starts immediately with the push of a button. According to preference, air direction can be changed freely.

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

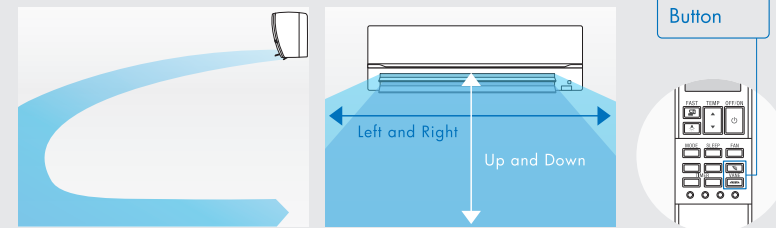
* It's available when air direction horizontal and fan speed S-Hi.


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



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.



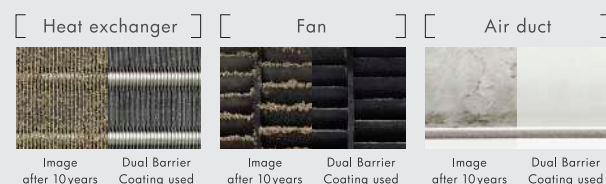
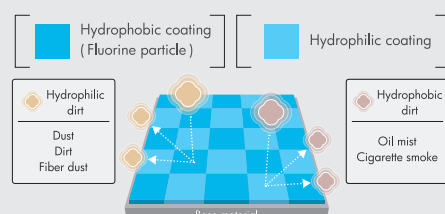


Dual Barrier Coating

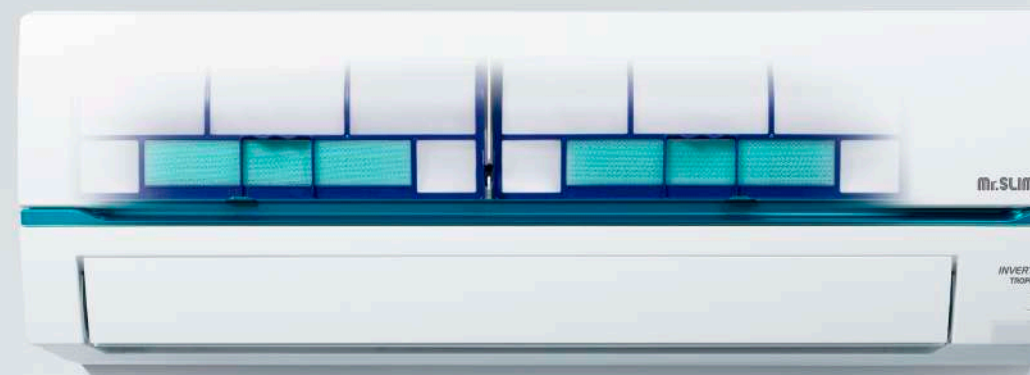
Dual Barrier Coating prevents dust and greasy dirt from getting into the air conditioner

State-of-the-art coating technology

Dual Barrier repels both types of dirt



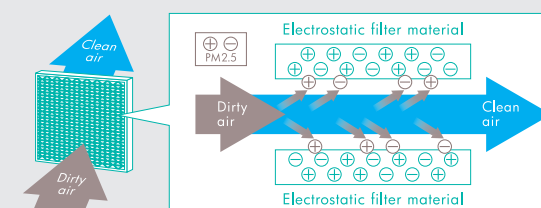
Dirt is generally classified into two groups. Dual Barrier Coating works as a two barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt.



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

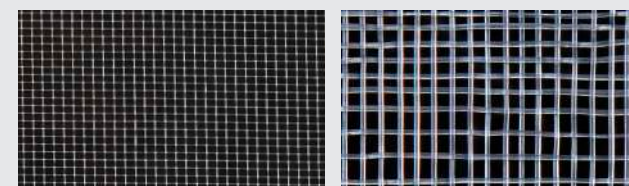
Effectively eliminate PM 2.5 and catch smaller dusts.

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.



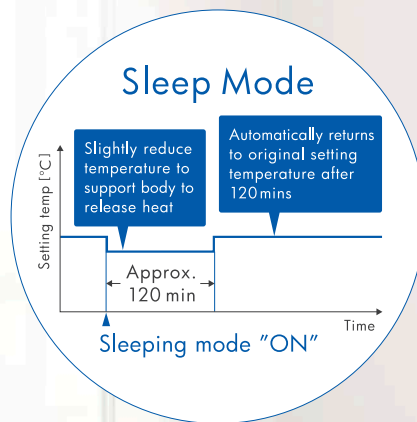
High Density Filter

Standard Filter

Quiet Operation

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

(Model GRT13)



Aerodynamics Technology

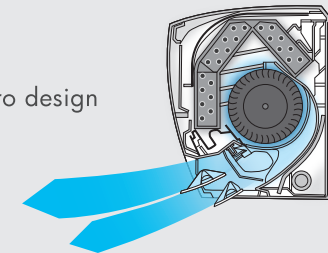
key factors to realize quiet air conditioners

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

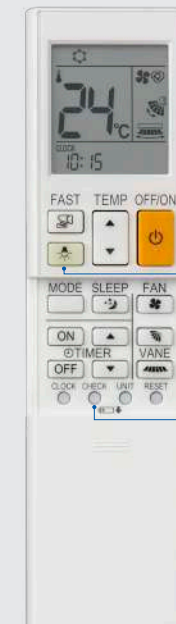


Optimized aero design utilizing 2 horizontal vanes and fixing suitable position of lower vane.



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 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

GR13VFT



| H280 x W838 x D229 (mm) |

GR18/22VFT



| H325 x W1100 x D257 (mm) |

[Remote Controller]



Outdoor Unit

GR13VFT



| H538 x W699 x D249 (mm) |

GR18/22VFT



| H714 x W800 x D285 (mm) |

Functions and Features

Joint Lap
DC MotorMagnetic Flux Vector
Sine Wave DriveReluctant DC
Rotary CompressorHeat Caulking
Fixing MethodVector Wave
Eco Inverter

PAM (Basic)

Anti-Mold
filterHigh 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 swingAuto vane control
(Left & Right, Up & Down)Double
Horizontal vane

Auto Fan Speed Mode

Long Airflow
*GR18/22/26LED Back Light with
Luminous buttonFast Cooling
Mode

Sleep Mode

24-Hour On/Off
programmable timer




Auto Restart

Error Code display on
Remote ControllerBlue Fin for Outdoorcondenser
(Corrosion toughness)

Grooved Piping

Guaranteed Ambient
Operating Range up to 52°CKeep Rated Capacity
up to Ambient temp, 46°C

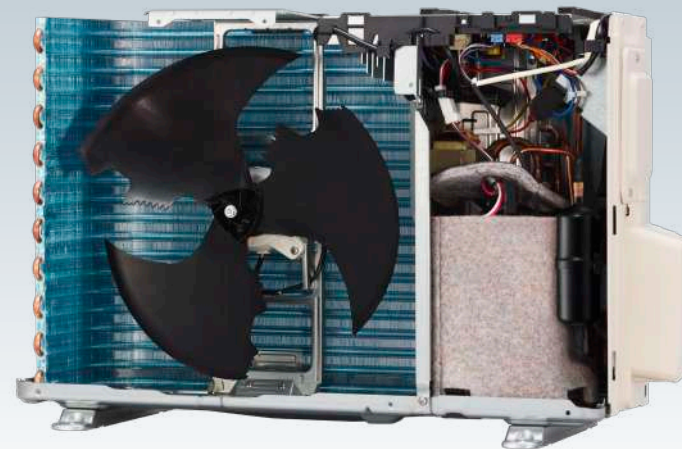
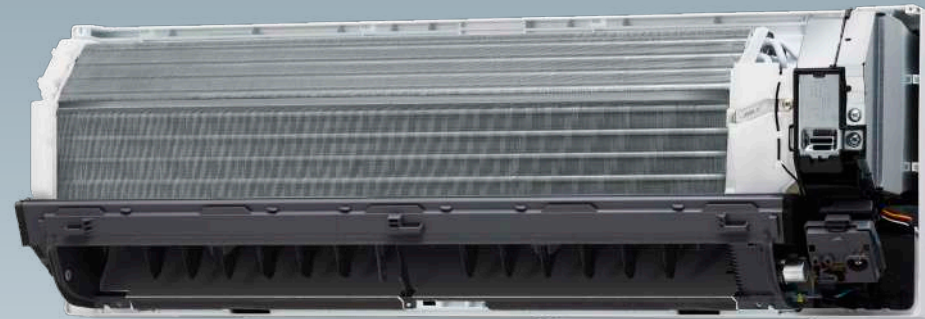
GR(T) Series

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 phase 230V, 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 (Silent-Low-Med-High-Silent)	dB(A)	19-24-31-38-43	27-33-38-44-49	28-36-41-45-51
Air Volume	Indoor unit (Silent-Low-Med-High-Silent)	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					

Pre filter			ANTI-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

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

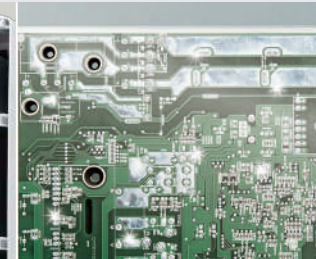
Design

In order to ensure our customers can use our products with peace of mind and for a long time, we select invest great care when designing

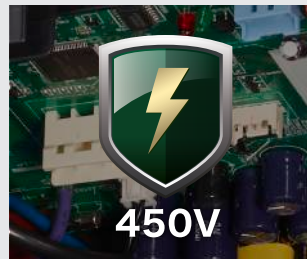
can use our products with peace of high-quality durable parts, and and assembling our products.



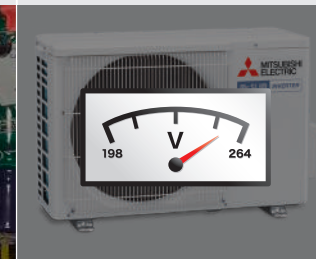
Ensure its reliable operation and preventing fire accident in case of short circuit.



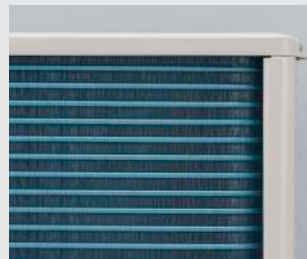
Special coating prevents any damages from humidity and insects



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): 0124-6738300 Fax: 0124-4630399 Website: in.MitsubishiElectric.com Email: customersupport@asia.meap.com
Customer Care Toll Free No - 1800 102 2626

TECHNICAL CENTERS: 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 - 09038050952; 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 - 09926347222;
Bhopal - 08448397998; Bhatinda - 099155766101; Dehradun - 09627829829; Goa - 09167113443;
Hubli - 0844-8398010; Kanpur - 07755007767; Patna - 09073949596; Raipur - 08448397997;
Ranchi - 0973949598; Trichy - 09205599022; Varanasi - 09559302666; Vizag - 09205987308

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

For more details on e-waste, please visit company website www.mitsubishielectric.in



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

 **MITSUBISHI
ELECTRIC**
AIR CONDITIONERS