MITSUBISHI ELECTRIC

AIR CONDITIONERS

Changes for the Better

GR Series

MORE STARS MORE SAVINGS
POWER SAVINGS GUIDE

DC Inverter

R32 REFRIGERANT

New luxurious and stylish design

AII 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.

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 own
technology, we are able to
achieve both high efficiency
and high power.

Poki-Poki Motor

Dramatically enhanced motor
efficiency utilising original dense
winding technology

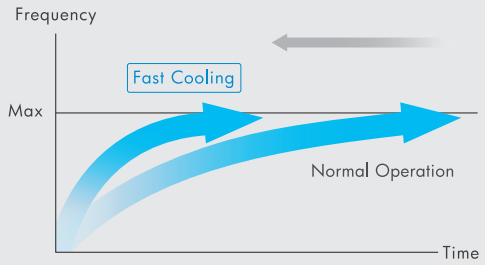
Heat Caulking

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

Fast Cooling

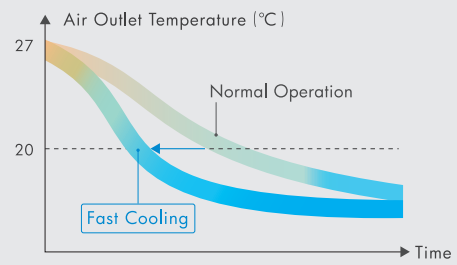
Fast Cooling is the most essential desire in air conditioner.
MITSUBISHI ELECTRIC's Fast Cooling brings
you fast refreshment in your life.

01 Compressor Freguency image



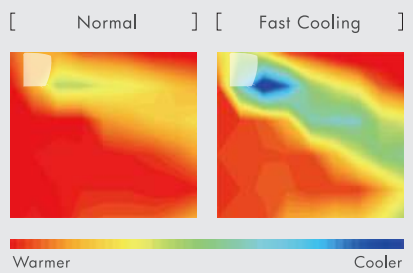
Pressing the Fast Cooling button makes
the compressor reach its maximum frequency
remarkably faster than in Normal Operation.

02 Air Outlet Temperature



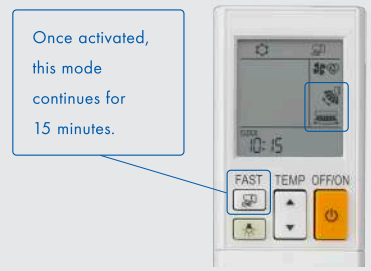
Lowers the air outlet temperature faster than
Inverter Normal Operation.

03 Thermography



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

04 Fast Cooling button



Fast Cooling mode starts immediately with the
push of a button. Accoding 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

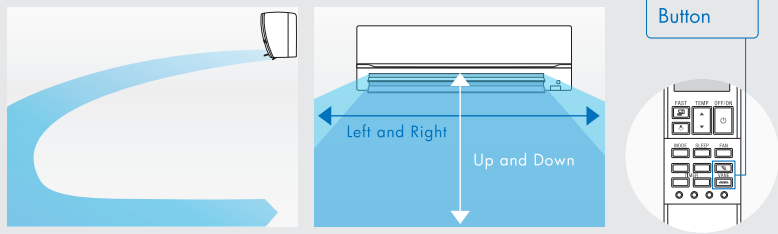
- ○ MSY-GR10/13/15VF ..... 8 m
- ○ MSY-GR18/22/26VF ..... 12 m

* 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-GR10/13/15VF

Auto vanes can be set at 6 position and swing.

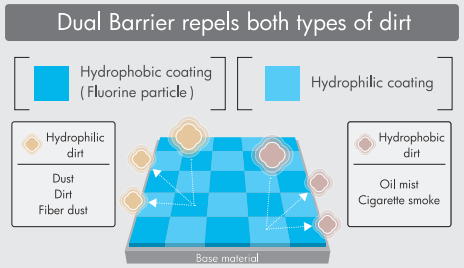
Up & Down

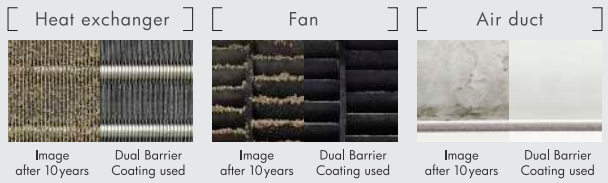
Auto vanes can be set at 5 positions and swing.

Dual Barrier Coating

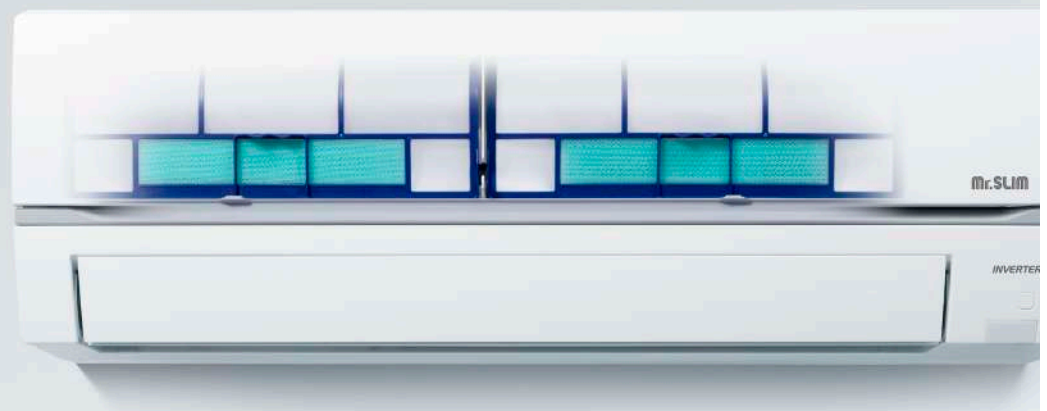
Dual Barrier Coating prevents dust and greasy dirt from getting into the air conditioner

State-of-the-art coating technology





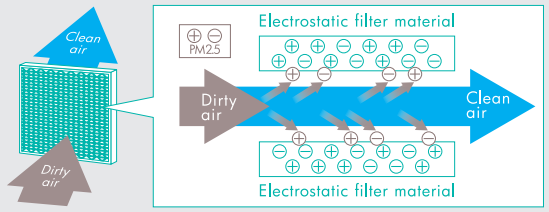
Dirt is generally classified into two groups. Dual Barrier Coating works as a two barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt.



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

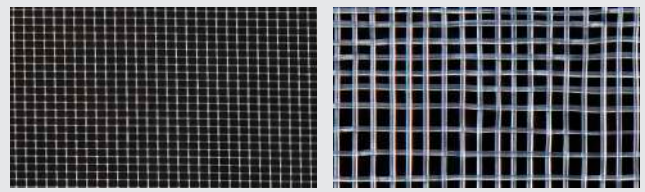
Effectively eliminate PM2.5 and catch smaller dusts.

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.

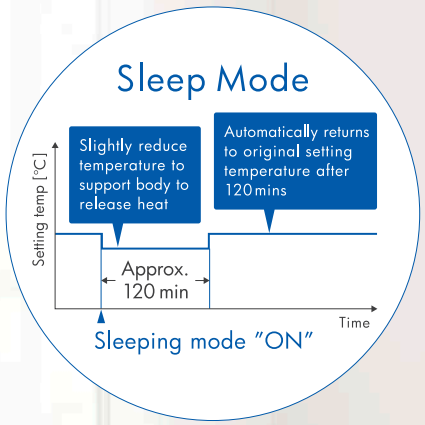


High Density Filter　　Standard Filter

Quiet Operation

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

(Model GR10)



Aerodynamics Technology

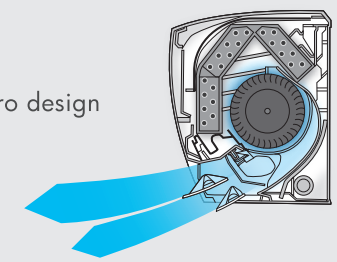
Realizing the quietest room air conditioner, MITSUBISHI ELECTRIC have ever launched.

(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.

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

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)	7.6 (2.1-9.2)
	TR	TR	0.75	1.00	1.25	1.50	1.90	2.20
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)	2.09 (0.45-3.33)
ISEER			5.00	5.02	5.01	5.00	5.00	4.80
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	30-37-42-46-53
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	346-452-540-625-809
Operating Current		A	3.8	4.8	5.4	6.2	7.6	9.2
Indoor unit	Dimensions (H x W x D)	mm	280*838*229	280*838*229	280*838*229	325*1100*257	325*1100*257	325*1100*257
	Weight	kg	10	10	10	17	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	880*840*330
	Weight	kg	21.5	24.5	30	31.5	38	48
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)	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)	15.88(5/8)
	Max.Length Out-In	m	20	20	20	20	30	30
	Max.Height Out-In	m	12	12	12	12	15	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			○	○	○	○	○	○
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	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	3C x 2.5
ODU Breaker Size	To ODU	A	10	10	10	10	16	20

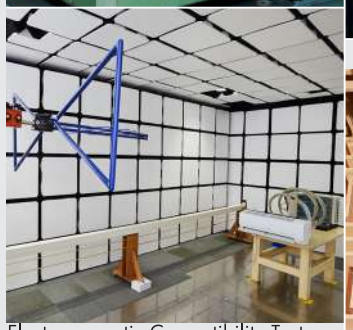
Mitsubishi Electric Quality

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

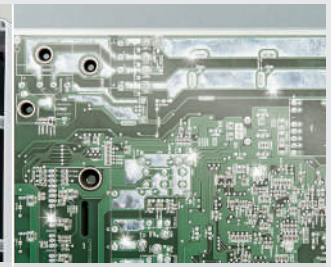
Salt Spray Test

Anechoic Chamber Noise Test

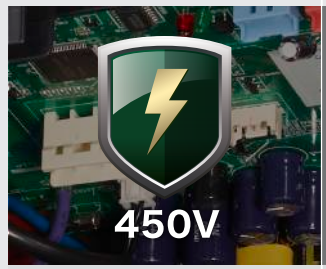
Design

In order to ensure our customers can use our products with peace of mind and for a long time, we select high-quality durable parts, and invest great care when designing and assembling our products.

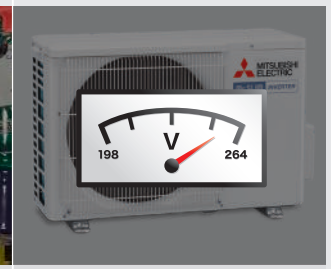
Ensure its reliable operation and preventing fire accident in case of short circuit.



Special coating prevents any damages from humidity and insects



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



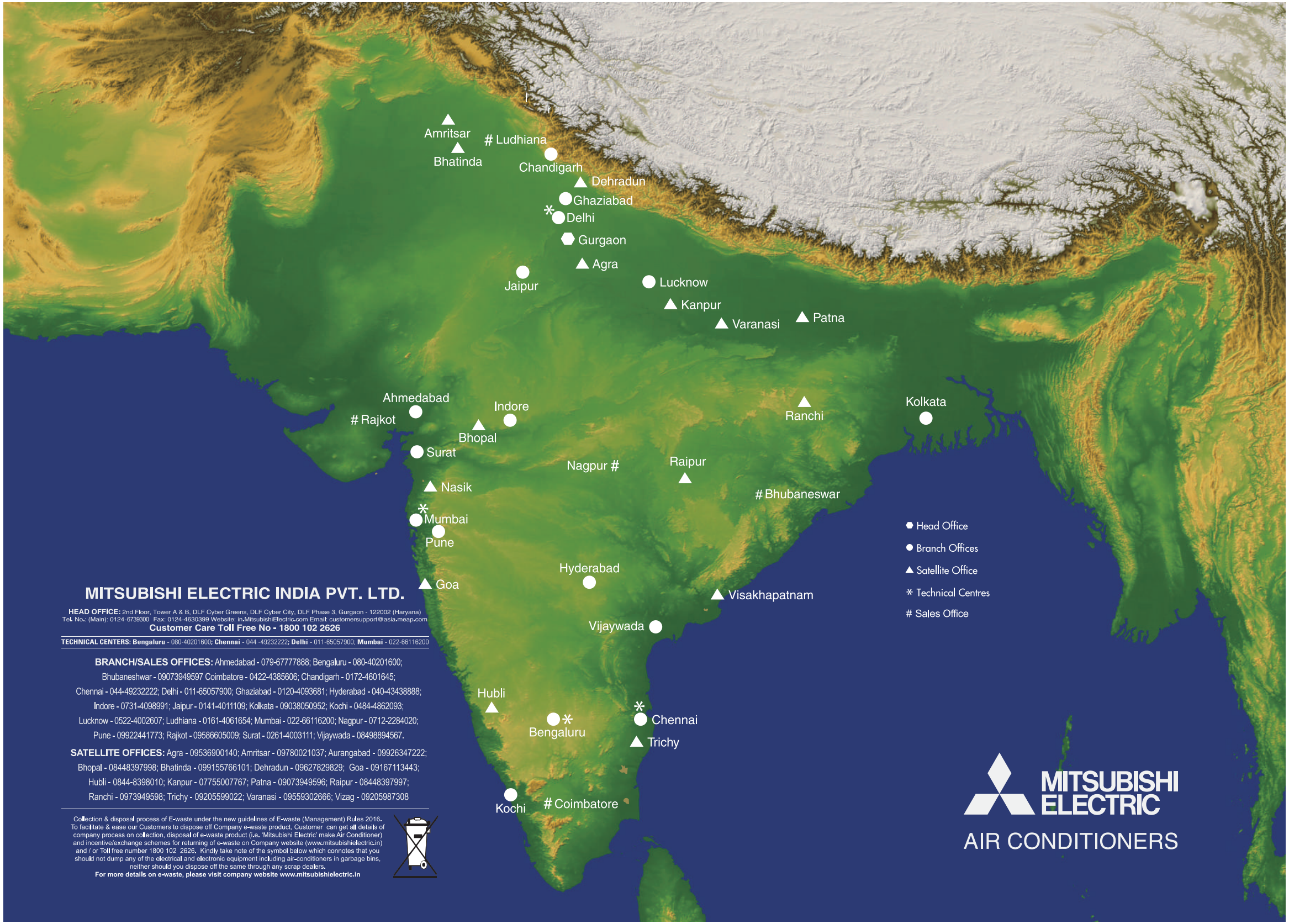
MITSUBISHI ELECTRIC Inverter can be smoothly operated even in 198v ~ 264V.

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.



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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

MITSUBISHI ELECTRIC
AIR CONDITIONERS