



DC
Inverter

COMFORT WITH PROTECTION



Dual Barrier Coating



for a greener tomorrow





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.

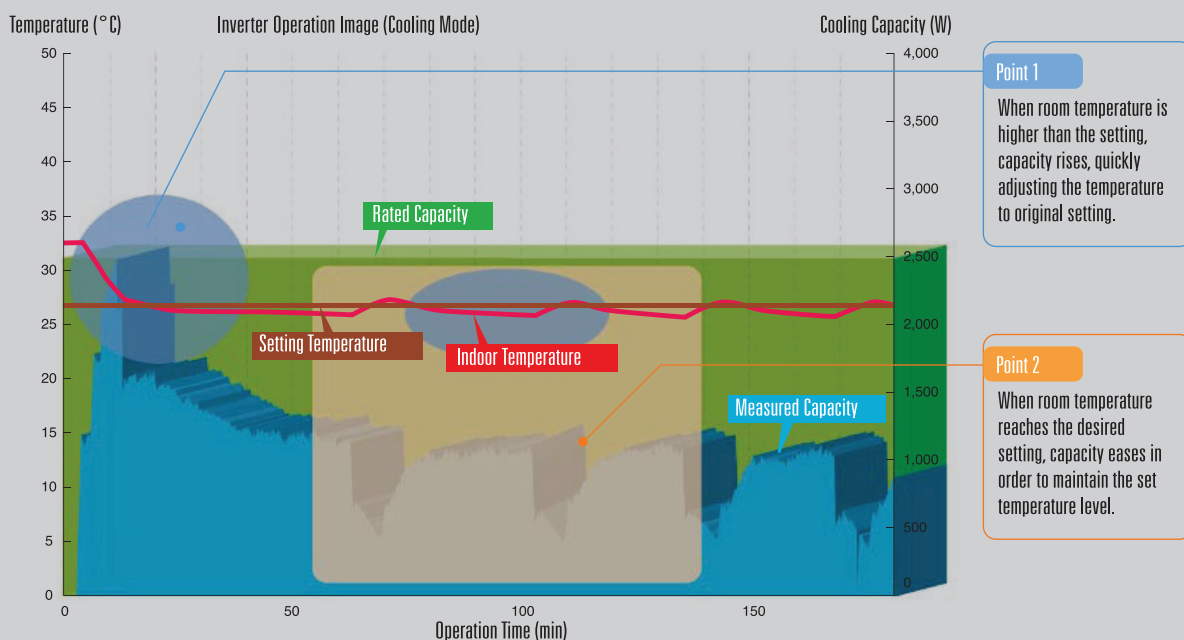
Inverters - How They Work

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.

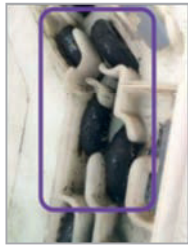
OUR TECHNOLOGY



Blue fin
(anti corrosion)

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

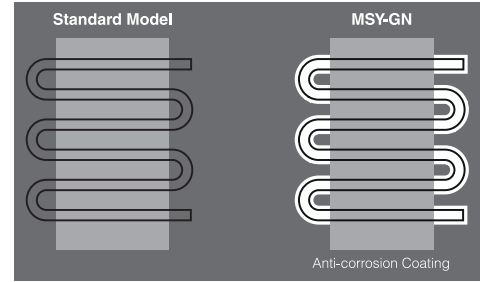
IDU Anti-corrosion Coating



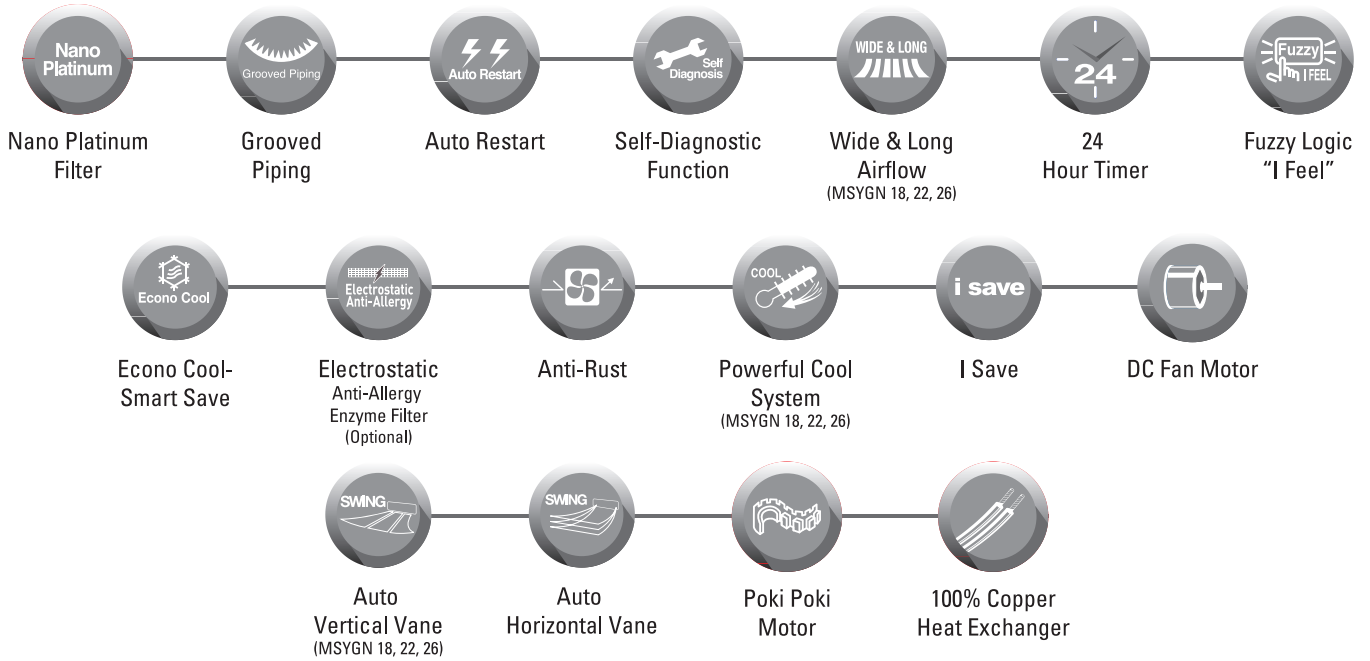
Before Coating



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	MSY-GN18VF	MSY-GN22VF	MSY-GN26VF	
	Outdoor unit	MUY-GN10VF	MUY-GN13VF	MUY-GN15VF	MUY-GN18VF	MUY-GN22VF	MUY-GN26VF	
Refrigerant	R32							
Power supply	Source	Single phase, 230V, 50Hz						
		Outdoor power supply						
Capacity	Rated*	kW	2.8	3.7	4.2	5.2	6.6	7.6
	(Min -Max)	kW	(1.1 - 3.4)	(1.1 - 4.1)	(0.9 - 4.8)	(1.5 - 6.0)	(1.5 - 7.2)	(2.4 - 9.2)
	TR	TR	0.75	1.00	1.25	1.50	1.90	2.20
Total Input	Rated*	kW	0.76	1.00	1.16	1.43	1.83	2.00
ISEER			4.85	4.81	4.74	4.58	4.65	4.79
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	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	145-184-255-327-406	145-184-255-327-459	160-214-285-363-459	303-379-430-529-650	240-322-430-522-603	308-378-449-520-734
Operating Current	Indoor unit	A	3.8	4.8	5.4	6.6	8.2	8.8
	Outdoor unit	A	10	10	10	10	16	20
Dimensions (H x W x D)	Indoor unit	mm	290 x 799 x 232	290 x 799 x 232	290 x 799 x 232	305 x 923 x 250	305 x 923 x 250	325 x 1100 x 238
	Outdoor unit	mm	550*800*285	550*800*285	550*800*285	550*800*285	714*800*285	880*840*330
	Weight	kg	28.5	32	32	32	37	48.5
Ext.Piping	Breaker Size (MCB required)	A	-	-	-	-	-	-
	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)	12.7(1/2)	12.7(1/2)
	Max.Length Out-In	m	20	20	20	20	30	30
Star Rating	Max.Height Out-In	m	12	12	12	12	12	15
								

Pre filter	NANO PLATINUM						
Air cleaning filter	ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER (Option)						
Timer	24hr			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	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	3C x 1.0	3C x 2.5
ODU Breaker Size	To ODU	AMP	10	10	10	16	20

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

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 CENTRES: Bengaluru - 080-40201600; Chennai - 044-49232222; Delhi - 011 - 66057900; Mumbai - 022-66116200.

BRANCH/SALES OFFICES: Ahmedabad - 079-65120063; Bengaluru - 080-40201600; Coimbatore - 0422-4385606; Chandigarh - 0172-4601645; Chennai - 044-49232222; Delhi - 011-66057900; Ghaziabad - 0120-6510346; Hyderabad - 040-43438888; Indore - 0731-4098991; Jaipur - 0141-4011109; Kolkata - 033-65001375; Kochi - 0484-4862093; Lucknow - 0522-4002607; Ludhiana - 0161-4061654; Mumbai - 022-66116200; Nagpur - 0712-2284020; Pune - 020-27102000; Surat - 0261-4003111; Vijaywada - 0866-6516999

SATELLITE OFFICES: Agra - 09536900140; Amritsar - 09780021037; Bhopal - 09926347222; Bhubaneshwar - 09073949597; Dehradun - 08650158786; Goa - 09167113443; Hubli - 08448398012; Kanpur - 09205987322; Nasik - 09545046866; Patna - 09861469923; Raipur - 08448397997; Rajkot - 09586605009; Ranchi - 07782927010; Trichy - 09205599022; Varanasi - 09559302666; Vizag - 09951655556



"For E-waste Collection & Disposal process: Customer can get complete details of company process on collection, disposal of e-waste product (i.e. 'Mitsubishi Electric' make Air Conditioner / Printers) and incentive / exchange scheme for returning of e-waste on **Company website (www.mitsubishielectric.in)** and / or **Toll free number 1800 102 2626.**



AIR CONDITIONERS

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Specifications subject to change without notice.