

MSZ-HP series

Inverter Technologies



MSZ-HP13VA

MSZ-HP18VA

MSZ-HP24VA



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.



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-azeotropic hydro-fluoro-carbon 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	Single phase, 230V, 50Hz				
		Indoor power supply				
Cooling	Capacity	Rated (Min-Max)	kW	3.15 (1.4-3.50)	5.20 (1.7-5.60)	7.10 (1.8-7.10)
		TR	TR	1.00	1.50	2.00
	Total Input	Rated (Min-Max)	kW	1.04 (0.36-1.27)	1.57 (0.42-1.95)	2.33 (0.30-2.33)
	ISEER			3.62	4.63	4.20
	SPL	Indoor unit (Lo-Med-Hi-SHi)	dB(A)	22-31-38-45	28-36-40-45	33-38-44-50
	Air Volume	Indoor unit (Lo-Med-Hi-SHi)	CFM	134-204-278-386	331-428-524-620	352-428-524-696
	Operating Current	Rated	A	5.1	7.0	10.3
Heating	Capacity	Rated (Min-Max)	kW	3.60 (1.1-4.10)	5.40 (1.4-6.50)	8.10 (1.5-8.50)
		TR	TR	1.00	1.50	2.00
	Total Input	Rated (Min-Max)	kW	0.995 (0.37-1.2)	1.48 (0.27-2.03)	2.44 (0.29-2.70)
	SPL	Indoor unit (Lo-Med-Hi-SHi)	dB(A)	23-30-37-44	27-34-41-47	33-38-44-49
	Air Volume	Indoor unit (Lo-Med-Hi-SHi)	CFM	122-195-270-366	311-428-524-620	366-448-573-710
	Operating Current	Rated	A	4.7	6.6	10.8
	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	880x840x330	
	Weight	kg	25.0	36	55	
	Breaker Size (MCB required)	A	10	16	16	
Ext.Piping	Diameter Liquid	mm (inches)	6.35(1/4)	6.35(1/4)	9.52(3/8)	
	Diameter Gas	mm (inches)	9.52(3/8)	12.7 (1/2)	15.88(5/8)	
	Max.Length Out-In	m	20	20	30	
	Max.Height Out-In	m	12	12	15	
Star Rating						

Pre filter	ANTI-MOLD				
Air cleaning filter	Silver Ionised Air Purifier Filter (Optional)				
Timer	12hr	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