

# THE HM SERIES HEAT PUMP

**Mr. SLIM**  
M-Series | MSZ-HM



## YOUR SOLUTION FOR INDIVIDUAL SUITE COMFORT CONTROL

Mitsubishi Electric's heat pumps are a true evolution in year-round comfort. With traditional systems, there is only an ON and OFF mode, thereby wasting energy and money, and sacrificing comfort. Mitsubishi Electric's VCSi (Variable Compressor Speed Inverter) Technology allows for continuous heating or cooling at different temperatures, improving comfort and efficiency.

**HEATING  
TO  
-20°C**

Indoor unit  
MSZ-HM SERIES UNIT

### > HIGH-QUALITY PRODUCT

Mitsubishi Electric is consistently recognized as the number #1 preferred brand with the highest quality rating among manufacturers. The HM Series offers undeniable value, without sacrificing quality.

### > ENERGY EFFICIENCY

#### VCSi Technology

At the heart of the HM Series is our Variable Compressor Speed Inverter Technology. By maintaining a consistent temperature using only the power required, your customers will be provided with increased comfort at a reduced cost.

### > QUIET OPERATION

Both the outdoor and indoor units operate quietly. The indoor units can operate as low as 22 dB(A) — that's as quiet as a human whisper.

## > PROLONG LIFE OF OUTDOOR UNIT

Anti-corrosion coating for the heat exchanger of the outdoor unit. This helps prevent the corrosion of the aluminum fins. Corrosion of the heat exchanger will affect the efficiency and performance of the air conditioner.

## > EASE OF INSTALLATION

Can be installed quickly in limited spaces for fast, affordable installation.

## ■ PERFORMANCE SPECIFICATIONS

Model Name	Indoor Unit		MSZ-HM09NA	MSZ-HM12NA	MSZ-HM15NA	MSZ-HM18NA	MSZ-HM24NA
	Outdoor Unit		MUZ-HM09NAH	MUZ-HM12NAH	MUZ-HM15NAH	MUZ-HM18NAH	MUZ-HM24NAH
Cooling <sup>1</sup>	Rated Capacity	Btu/h	9,000	12,000	14,000	17,200	22,500
	Capacity Range	Btu/h	3,800–10,000	3,800–12,200	3,100–16,000	5,800–18,000	5,800–22,500
	Power Consumption	W	750	1,210	1,127	1,598	2,575
	EER / EER2		12.0 / 12.0	9.9 / 9.9	12.0 / 12.0	10.5 / 10.5	8.6 / 8.6
	SEER / SEER2			18.0 / 20.0		18.0 / 19.0	18.0 / 20.0
Heating <sup>1</sup> at 8° C	Rated Capacity	Btu/h	10,900	12,200	18,000		26,000
	Capacity Range	Btu/h	4,500–11,800	4,500–14,500	4,800–18,500	5,400–20,900	5,400–26,000
	Power Consumption	W	900	990	1,570	1,548	2,445
	HSPF (W) / HSPF (W)2 / HSPF (W)2				9.0 / 8.5 / 7.5		
	Rated COP		3.55	3.61	3.36	3.41	3.12
Heating <sup>2</sup> at -8° C	Rated Capacity	Btu/h	6,700	7,600	11,500		18,500
	Power Consumption	W	700	800	1,290	1,258	2,245
	Maximum Capacity	Btu/h	6,000	7,500	12,100	13,100	15,500
	Maximum COP		2.81	2.78	2.61	2.68	2.42
Heating at -15° C	Rated Capacity	Btu/h	5,180	5,800	8,550		12,350
	Power Consumption	W	640	690	1,030		1,530
	Maximum Capacity	Btu/h	6,000	7,500	12,100	13,100	15,500
	Maximum COP		2.37	2.46	2.43		2.37
Power Supply	Phase, Cycle, Voltage	Btu/h	1 Phase, 60Hz, 208/230V				
Indoor Unit	Sound Pressure Level (Lo-Mid-Hi-SHi) Heat	dB(A)	22-30-37-43		30-35-40-46	30-37-42-47	33-38-44-50
	Dimensions	W: in	31 7/16			36 5/16	
		D: in	9 1/8			9 13/16	
		H: in	11 5/8			12	
Outdoor Unit	Sound Pressure Level (Cool/Heat)	dB(A)	46/50	49/51		54/55	
	Dimensions	W: in	31 1/2			33 1/16	
		D: in	11 1/4			13	
		H: in	21 5/8			34 5/8	
	Weight	lbs	73	81		121	
Refrigerant Type		R410A					
Operating Range	Heating (Outdoor)	Min (WB)					-20° C
		Max (WB)					24° C
	Cooling (Outdoor)	Min (DB)					-10° C
Refrigerant Pipe Length	Height Difference (Max)	Ft.					50
	Length (Max)	Ft.					100

<sup>1</sup>Includes tolerance. Typical units can operate down to -22°C depending on conditions.

NOTES: Test conditions are based on AHRI 210/240.

1. Rating conditions: Cooling – Indoor: 27°C DB; 19°C WB; Outdoor: 35°C DB, 24°C WB; Rated frequency Heating – Indoor: 21°C DB; 15.5°C WB; Outdoor: 8°C DB, 6°C WB; Rated frequency

2. Rating conditions: Heating - Indoor: 21° C DB, 16° C; Outdoor -8° C DB, -9° C WB

\*When installed and registered by a MEQ certified HVAC (Heating, Ventilation, and Air Conditioning) Installer.

Certain conditions, restrictions and/or limitations apply. See warranty terms and conditions for complete details.



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