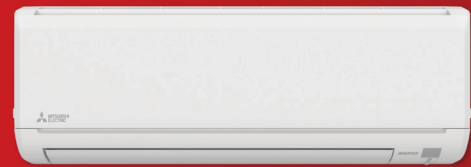


MSZ-HM

Wall-mounted Indoor Unit



20 SEER Indoor Unit

The MSZ-HM 20 SEER Wall-mounted Indoor Unit pairs with a single-zone heat pump outdoor unit. The MSZ-HM features Econo Cool Energy Savings Mode intelligent temperature control and a stylish flat panel design.

Capacities: 9,000 to 24,000 BTU/H

Sound: As low as 22 dB(A)

SEER2: 20.00

HSPF2: 10.00

COP: Up to 3.61

ENERGY STAR®: Some systems



Blue Fin Heat Exchanger

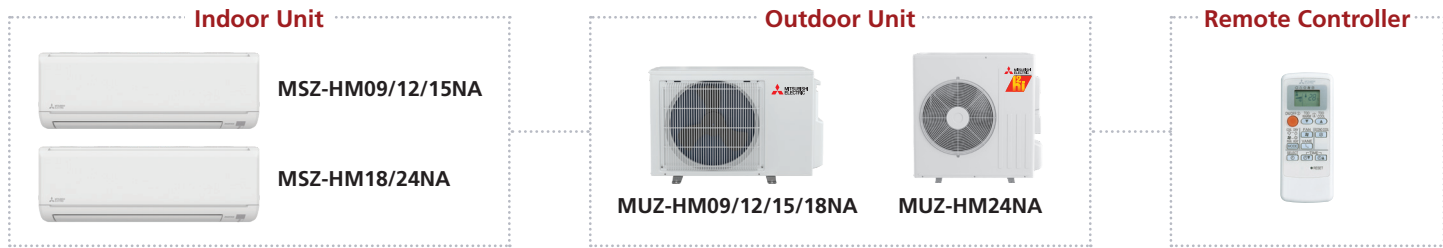
Blue Fin is an anti-corrosion coating applied to the heat exchanger of the outdoor unit. This treatment prevents the deterioration of the aluminum fins caused by salt, especially in coastal areas. (Corrosion of the heat exchanger will affect the efficiency and performance of the outdoor unit.)



Anti-allergy Enzyme Air Filter

The base filter can remove dust particles from the air. The anti-allergy enzyme air filter traps allergens such as bacteria and decomposes them using enzymes retained in the filter. The anti-allergy enzyme filter is optional.

MSZ-HM Specifications



Indoor Unit			MSZ-HM09NA	MSZ-HM12NA	MSZ-HM15NA	MSZ-HM18NA	MSZ-HM24NA	
Outdoor Unit			MUZ-HM09NA	MUZ-HM12NA	MUZ-HM15NA	MUZ-HM18NA	MUZ-HM24NA	
AHRI Certified Reference Number			202680600	202680601	202680602	202680603	209832269	
Cooling	Capacity	Rated ¹	BTU/H	9,000	12,000	14,000	17,200	22,500
	Capacity Range	Min-Max	BTU/H	3,800-10,000	3,800-12,200	3,100-16,000	5,800-18,000	5,800-22,500
	Power Input	Rated ¹	W	750	1,210	1,170	1,640	2,630
	Moisture Removal	Pints/h		1.5	2.5	2.7	2.1	2.3
	Sensible Heat Factor			0.820	0.770	0.780	0.860	0.890
	Sensible Heat Factor - High Latent			—	—	20	—	—
Heating	Capacity at 47°F	Rated ²	BTU/H	10,900	12,200	18,000	18,000	26,000
	Capacity Range	Min-Max	BTU/H	4,500-11,800	4,500-14,500	4,800-18,500	5,400-20,900	5,400-26,000
	Power Input at 47°F	Rated ²	W	900	990	1,600	1,590	2,500
	Capacity at 17°F	Rated ³	BTU/H	6,700	7,600	11,500	11,500	18,500
	Capacity at 5°F	Max ⁴	BTU/H	5,990	9,000	12,240	12,780	15,600
	Capacity at -5°F	Max ⁵	BTU/H	—	—	—	—	—
Efficiency	SEER2			12.0	20.0	19.0	20.0	
	EER2			10.5	12.0	10.5	8.6	
	HSPF2			8.6	10.0	9.5	8.5	
	COP			3.55	3.61	3.3	3.32	
Indoor Unit	Air Flow Rate - Cooling (Quiet-Lo-Med-High-SHigh)	Dry	CFM	170-237-321-399	170-237-321-399	272-335-420-533	328-431-530-625	353-431-530-702
		Wet	CFM	134-201-286-364	134-201-286-364	237-300-385-498	295-388-477-562	318-388-477-632
	Air Flow Rate - Heating (Quiet-Lo-Med-High-SHigh)	Dry	CFM	170-237-321-406	170-237-321-406	247-304-367-463	307-431-530-625	346-448-579-702
		Heating	dB(A)	22-30-37-43	22-30-37-43	32-38-44-49	30-37-42-47	33-38-44-50
	Sound Pressure Level (Quiet-Lo-Med-High-SHigh)	Cooling	dB(A)	22-30-37-43	22-30-37-43	32-38-44-49	30-37-42-47	33-38-44-50
		Heating	dB(A)	22-30-37-43	22-30-37-43	30-35-40-46	30-37-42-47	32-38-44-50
	External Static Pressure	In. W.G.		—	—	—	—	—
	Condensate Lift Mechanism	Max Distance	In. [mm]	—	—	—	—	—
		H	In. [mm]	11-5/8 [295]	11-5/8 [295]	11-5/8 [295]	12 [305]	12 [305]
	Dimensions	W	In. [mm]	31-7/16 [798]	31-7/16 [798]	31-7/16 [798]	36-5/16 [923]	36-5/16 [923]
D		In. [mm]	9-1/8 [232]	9-1/8 [232]	9-1/8 [232]	9-13/16 [250]	9-13/16 [250]	
Weight		lbs [kg]	22 [10]	22 [10]	22 [10]	28 [13.0]	28 [13.0]	
Outdoor Unit	MCA	A	9.0	9.0	10.0	10.0	14.0	
	MOCP	A	15	15	15	15	15	
		H	In. [mm]	21-5/8 [550]	21-5/8 [550]	21-5/8 [550]	21-5/8 [550]	34-5/8 [880]
	Dimensions	W	In. [mm]	31-1/2 [800]	31-1/2 [800]	31-1/2 [800]	31-1/2 [800]	33-1/16 [840]
		D	In. [mm]	11-1/4 [286]	11-1/4 [286]	11-1/4 [286]	11-1/4 [286]	13 [330]
		Weight	lbs [kg]	73 [33.1]	73 [33.1]	81 [36.7]	81 [36.7]	121 [55]
	Air Flow Rate (Cooling/Heating)	CFM	1151/1225	1151/1225	1243/1229	1243/1229	1691/1691	
	Sound Pressure Level	Cooling	dB(A)	46	49	49	50	54
		Heating	dB(A)	50	51	51	51	55
	Piping	Diameter	Gas (O.D.)	In. [mm]	3/8 [9.52]	3/8 [9.52]	1/2 [12.7]	1/2 [12.7]
Liquid (O.D.)			In. [mm]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	3/8 [9.52]
Indoor Drain			In. [mm]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Max. Length		ft [m]	65 [20]	65 [20]	65 [20]	65 [20]	100 [30]	
Max. Height	ft [m]	40 [12]	40 [12]	40 [12]	40 [12]	50 [15]		
Electrical	Outdoor-Indoor ⁶	V, ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	
	Recommended Breaker Size	A	15	15	15	15	15	
Refrigerant Type			R410A	R410A	R410A	R410A	—	
Guaranteed Temperature Operation Range	Cooling ⁷	°F DB [°C DB]	14 to 115 [-10.0 to 46.0]	14 to 115 [-10.0 to 46.0]	14 to 115 [-10.0 to 46.0]	14 to 115 [-10.0 to 46.0]	14 to 115 [-10.0 to 46.0]	
	Heating	°F DB [°C DB]	-4 to 75 [-20.0 to 24.0]	-4 to 75 [-20.0 to 24.0]	-4 to 75 [-20.0 to 24.0]	-4 to 75 [-20.0 to 24.0]	-4 to 75 [-20.0 to 24.0]	

Notes:
 AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)
¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB
²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB
³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB
⁴Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB
⁵Heating at -5°F (Indoor // Outdoor) °F 70 DB, 60 WB // -5 DB, -6 WB

Conditions
⁶Indoor units receive power from outdoor units through field-supplied interconnected wiring.
⁷Applications should be restricted to comfort cooling only, equipment cooling applications are not recommended for low ambient temperature conditions.