



# MSZ-H SERIES



## Indoor Unit



MSZ-HJ25/35/50VA



MSZ-HJ60/71VA

## Outdoor Unit



MUZ-HJ25/35VA



MUZ-HJ50VA



MUZ-HJ60/71VA

## Remote Controller



# MSZ-HJ SERIES

Type		Inverter Heat Pump						
Indoor Unit		MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA		
Outdoor Unit		MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA		
Refrigerant		R410A <sup>(1)</sup>						
Power Supply		Indoor Power supply 230V/Single/50Hz						
Cooling	Design load	kW	2.5	3.1	5.0	6.1	7.1	
	Annual electricity consumption <sup>(2)</sup>	kWh/a	171	212	292	354	441	
	SEER <sup>(3)</sup>		5.1	5.1	6.0	6.0	5.6	
	Energy efficiency class		A	A	A+	A+	A+	
		Rated	kW	2.5	3.15	5.0	6.1	7.1
Capacity	Min-Max	kW	1.3 - 3.0	1.4 - 3.5	1.3 - 5.0	1.7 - 7.1	1.8 - 7.1	
	Rated	kW	0.730	1.040	2.050	1.900	2.330	
Heating (Average Season) <sup>(4)</sup>	Design load	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	
	Declared Capacity	at reference design temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
		at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
Annual electricity consumption <sup>(2)</sup>	kWh/a	698	885	1267	1544	1854		
SCOP <sup>(4)</sup>			3.8	3.8	4.2	4.1	4.0	
	Energy efficiency class		A	A	A+	A+	A+	
Capacity	Rated	kW	3.15	3.6	5.4	6.8	8.1	
	Min-Max	kW	0.9 - 3.5	1.1 - 4.1	1.4 - 6.5	1.5 - 8.4	1.5 - 8.5	
Total Input	Rated	kW	0.870	0.995	1.480	1.970	2.440	
	Operating Current (Max)	A	5.8	6.5	9.8	12.5	12.5	
Input	Rated	kW	0.020	0.021	0.037	0.055	0.055	
	Operating Current(Max)	A	0.3	0.3	0.4	0.5	0.5	
Dimensions	H*W*D	mm	290-799-232	290-799-232	290-799-232	305-923-250	305-923-250	
	Weight	kg	9	9	9	13	13	
Indoor Unit	Air Volume (SLo-Mid-Hi-SH <sup>(5)</sup> (Dry/Wet))	Cooling	m <sup>3</sup> /min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 10.9	6.3 - 9.1 - 11.1 - 12.9	9.3 - 12.2 - 15.0 - 19.9	10.0 - 12.2 - 15.0 - 19.9
		Heating	m <sup>3</sup> /min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3	6.1 - 8.3 - 11.1 - 14.3	9.4 - 12.5 - 16.0 - 19.9	10.3 - 12.7 - 16.4 - 19.9
	Sound Level (SPL) (SLo-Mid-Hi-SH <sup>(5)</sup> )	Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 45	28 - 36 - 40 - 45	31 - 38 - 44 - 50	33 - 38 - 44 - 50
		Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44	27 - 34 - 41 - 47	31 - 38 - 44 - 49	33 - 38 - 44 - 49
	Sound Level (PWL)	Cooling	dB(A)	57	60	60	65	65
Dimensions	H*W*D	mm	538-699-249	538-699-249	550-800-285	880-840-330	880-840-330	
Outdoor Unit	Air Volume	Cooling	m <sup>3</sup> /min	31.5	31.5	36.3	47.9	49.3
		Heating	m <sup>3</sup> /min	31.5	31.5	34.8	47.9	47.9
	Sound Level (SPL)	Cooling	dB(A)	50	50	50	55	55
		Heating	dB(A)	50	50	51	55	55
	Sound Level (PWL)	Cooling	dB(A)	63	64	64	65	66
Operating Current (Max)	A	5.5	6.2	9.4	12	12		
Breaker Size	A	10	10	12	16	16		
Ext. Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7	6.35/15.88	9.52/15.88
	Max.Length	Out-In	m	20	20	20	30	30
	Max.Height	Out-In	m	12	12	12	15	15
Guaranteed Operating Range (Outdoor)	Cooling	°C	+15 ~ +46	+15 ~ +46	+15 ~ +46	+15 ~ +46	+15 ~ +46	
	Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	
Refrigerant/GWP			R410A/2088 <sup>(5)</sup>					
Pre-Charged quantity	Weight	kg	0.70	0.72	1.15	1.80	1.80	
	CO <sub>2</sub> equivalent	t	2.02	2.07	3.31	5.18	5.18	
Max added quantity	Weight	kg	0.96	0.98	1.41	2.06	2.06	
	CO <sub>2</sub> equivalent	t	2.76	2.82	4.06	5.93	5.93	

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(2) The GWP of R410A is 2088 in the IPCC 4th Assessment Report. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) SEER: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 63 for heating (warmer season) specifications.