

# MSZ-S SERIES



Indoor Unit

R410A



MSZ-SF15/20VA

Outdoor Unit

For MXZ Connection Only

Remote Controller



Type	Inverter Heat Pump									
Indoor Unit	MSZ-SF15VA	MSZ-SF20VA	MSZ-SF25VE3	MSZ-SF25VE3	MSZ-SF35VE3	MSZ-SF35VE3				
Outdoor Unit	for MXZ connection		MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH				
Refrigerant	R410A <sup>(1)</sup>									
Power Supply	Outdoor Power supply									
	Outdoor ( V / Phase / Hz )									
	230/Single/50									
Cooling	Design load	kW	-	-	2.5	2.5	3.5	3.5		
	Annual electricity consumption <sup>(2)</sup>	kWh/a	-	-	116	116	171	171		
	SEER <sup>(4)</sup>		-	-	7.6	7.6	7.2	7.2		
	Energy efficiency class	Rated	kW	-	-	2.5	2.5	3.5	3.5	
		Capacity	Min-Max	kW	-	-	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8
Total Input	Rated	kW	-	-	0.600	0.600	1.080	1.080		
Heating (Average Season) <sup>(5)</sup>	Design load	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)		
	Declared Capacity	at reference design temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	
		at bivalent temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	
	Back up heating capacity	at operation limit temperature	kW	-	-	2.0(-15°C)	1.6(-20°C)	2.2(-15°C)	1.6(-20°C)	
		at reference design temperature	kW	-	-	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	
	Annual electricity consumption <sup>(2)</sup>	kWh/a	-	-	764	790	923	948		
	SCOP <sup>(4)</sup>		-	-	4.4	4.3	4.4	4.3		
Energy efficiency class	Rated	kW	-	-	A*	A*	A*	A*		
	Capacity	Min-Max	kW	-	-	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6	
Total Input	Rated	kW	-	-	0.780	0.780	1.030	1.030		
Operating Current (Max)	A	-	-	-	8.4	8.4	8.5	8.5		
Indoor Unit	Input	Rated	kW	0.017	0.019	0.024	0.024	0.027	0.027	
	Operating Current(Max)	A	-	0.17	0.19	0.2	0.2	0.3	0.3	
	Dimensions	H*W*D	mm	250-760-168	250-760-168	299-798-195	299-798-195	299-798-195	299-798-195	
	Weight	kg	-	7.7	7.7	10	10	10	10	
	Air Volume (SLo-Lo-Mid-Hi-SH <sup>(3)</sup> Dry/Wet)	Cooling	m <sup>3</sup> /min	-	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1
		Heating	m <sup>3</sup> /min	-	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.3 - 11.0	3.0 - 4.1 - 6.7 - 8.3 - 11.0
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH <sup>(3)</sup> )	Cooling	dB(A)	-	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 <sup>(6)</sup> - 24 - 30 - 36 - 42	19 <sup>(6)</sup> - 24 - 30 - 36 - 42	19 <sup>(6)</sup> - 24 - 30 - 36 - 42	19 <sup>(6)</sup> - 24 - 30 - 36 - 42
		Heating	dB(A)	-	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 <sup>(6)</sup> - 24 - 34 - 39 - 45	19 <sup>(6)</sup> - 24 - 34 - 39 - 45	19 <sup>(6)</sup> - 24 - 34 - 40 - 46	19 <sup>(6)</sup> - 24 - 34 - 40 - 46
	Sound Level (PWL)	Cooling	dB(A)	-	59	60	57	57	57	57
		Heating	dB(A)	-	-	-	57	57	57	57
Dimensions	H*W*D	mm	-	-	550-900-285	550-900-285	550-900-285	550-900-285		
Weight	kg	-	-	-	31	31	31	31		
Outdoor Unit	Air Volume	Cooling	m <sup>3</sup> /min	-	-	31.1	31.1	35.9	35.9	
		Heating	m <sup>3</sup> /min	-	-	30.7	30.7	35.9	35.9	
	Sound Level (SPL)	Cooling	dB(A)	-	-	47	47	49	49	
		Heating	dB(A)	-	-	48	48	50	50	
	Sound Level (PWL)	Cooling	dB(A)	-	-	58	58	62	62	
Heating		dB(A)	-	-	58	58	62	62		
Operating Current (Max)	A	-	-	-	8.2	8.2	8.2	8.2		
Breaker Size	A	-	-	-	10	10	10	10		
Ext. Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	
	Max.Length	Out-In	m	-	-	20	20	20	20	
	Max.Height	Out-In	m	-	-	12	12	12	12	
Guaranteed Operating Range (Outdoor)	Cooling	°C	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46		
	Heating	°C	-	-	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24		

(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) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) SH: 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 51-52 for heating (warmer season) specifications.

(6) For single use: only 19dB(A). For multi use (MXZ): 21dB(A).

**MSZ-S SERIES**  
**MSZ-G SERIES**



**Indoor Unit** **R410A**



**Outdoor Unit** **R410A**



**Remote Controller**



Type	Inverter Heat Pump										
Indoor Unit	MSZ-SF42VE3	MSZ-SF42VE3	MSZ-SF50VE3	MSZ-SF50VE3	MSZ-GF60VE2	MSZ-GF71VE2					
Outdoor Unit	MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH	MUZ-GF60VE	MUZ-GF71VE					
Refrigerant	R410A <sup>(1)</sup>										
Power Supply	Outdoor Power supply										
	Outdoor (V / Phase / Hz)										
	230/Single/50										
Cooling	Design load	kW		4.2	4.2	5.0	5.0	6.1	7.1		
	Annual electricity consumption <sup>(2)</sup>	kWh/a		196	196	246	246	311	364		
	SEER <sup>(4)</sup>			7.5	7.5	7.2	7.2	6.8	6.8		
	Energy efficiency class			A++	A++	A++	A++	A++	A++		
		Rated	kW		4.2	4.2	5.0	5.0	6.1	7.1	
Capacity			0.8-4.5	0.8-4.5	1.4-5.4	1.4-5.4	1.4-7.5	2.0-8.7			
	Min-Max	kW		0.8-4.5	0.8-4.5	1.4-5.4	1.4-5.4	1.4-7.5	2.0-8.7		
Total Input	Rated		kW		1.340	1.340	1.660	1.660	1.790	2.130	
Heating (Average Season) <sup>(5)</sup>	Design load	kW		3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)		
	Declared Capacity	at reference design temperature		kW		3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)	
		at bivalent temperature		kW		3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)	
	Back up heating capacity	at operation limit temperature		kW		3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)	2.3 (-20°C)	3.7 (-15°C)	5.4 (-15°C)
		at 0.0 (-10°C)		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		1215	1242	1351	1380	1489	2204		
	SCOP <sup>(4)</sup>			4.4	4.3	4.4	4.3	4.3	4.2		
Energy efficiency class			A+		A+	A+	A+	A+			
	Rated	kW		5.4	5.4	5.8	5.8	6.8	8.1		
Capacity			1.3-6.0		1.3-6.0	1.4-7.3	1.4-7.3	2.0-9.3	2.2-9.9		
	Min-Max	kW		1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-9.3	2.2-9.9		
Total Input	Rated		kW		1.580	1.580	1.700	1.810	2.230		
Operating Current (Max)	A		9.5		9.5	12.3	12.3	14.5	16.6		
Input	Rated		kW		0.027	0.027	0.035	0.035	0.062	0.058	
	Operating Current(Max)		A		0.3	0.3	0.3	0.3	0.5	0.5	
Dimensions	H*W*D		mm		299-798-195	299-798-195	299-798-195	299-798-195	325-1100-238	325-1100-238	
Weight	kg		10		10	10	10	16	16		
Indoor Unit	Air Volume (SLo-Lo-Mid-Hi-SH <sup>(3)</sup> Dry/Wet)	Cooling	m <sup>3</sup> /min		4.7 - 5.8 - 6.7 - 7.9 - 9.1	4.7 - 5.8 - 6.7 - 7.9 - 9.1	5.1 - 6.2 - 7.0 - 8.2 - 9.9	5.1 - 6.2 - 7.0 - 8.2 - 9.9	9.8-11.3-13.4-15.6-18.3	9.7-11.5-13.3-15.4-17.8	
		Heating	m <sup>3</sup> /min		4.7 - 5.8 - 7.2 - 9.1 - 11.4	4.7 - 5.8 - 7.2 - 9.1 - 11.4	5.1 - 6.4 - 8.0 - 9.8 - 12.0	5.1 - 6.4 - 8.0 - 9.8 - 12.0	9.8-11.3-13.4-15.6-18.3	10.2-11.5-13.3-15.4-17.8	
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH <sup>(3)</sup> )	Cooling	dB(A)		26 <sup>(6)</sup> - 31 - 34 - 38 - 42	26 <sup>(6)</sup> - 31 - 34 - 38 - 42	28 <sup>(6)</sup> - 33 - 36 - 40 - 45	28 <sup>(6)</sup> - 33 - 36 - 40 - 45	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49	
		Heating	dB(A)		26 <sup>(6)</sup> - 31 - 36 - 42 - 47	26 <sup>(6)</sup> - 31 - 36 - 42 - 47	28 <sup>(6)</sup> - 33 - 38 - 43 - 49	28 <sup>(6)</sup> - 33 - 38 - 43 - 49	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49	
	Sound Level (PWL)	Cooling		dB(A)		57	57	58	58	65	65
Dimensions	H*W*D		mm		550-800-285	550-800-285	880-840-330	880-840-330	880-840-330	880-840-330	
Weight	kg		35		35	55	55	55	53		
Outdoor Unit	Air Volume	Cooling	m <sup>3</sup> /min		35.2	35.2	44.6	44.6	49.2	50.1	
		Heating	m <sup>3</sup> /min		33.6	33.6	44.6	44.6	49.2	48.2	
	Sound Level (SPL)	Cooling	dB(A)		50	50	52	52	55	55	
		Heating	dB(A)		51	51	52	52	55	55	
	Sound Level (PWL)	Cooling		dB(A)		63	63	65	65	65	
Operating Current (Max)	A		9.2		9.2	12	12	14	16.1		
Breaker Size	A		10		10	16	16	20	20		
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	30	30	30	
	Max.Height	Out-In		m		12	12	15	15	15	
Guaranteed Operating Range (Outdoor)	Cooling	°C		-10 ~ +46		-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46		
	Heating	°C		-15 ~ +24		-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24		

(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.  
The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

(2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) SH: 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 51-52 for heating (warmer season) specifications.

(6) For single use: only 26dB(A). For multi use (MXZ): 28dB(A).

(7) For single use: only 26dB(A). For multi use (MXZ): 30dB(A).