

MSZ-AY SERIES



Indoor Unit

R32



MSZ-AY15/20VGK(P)



MSZ-AY25/35/42/50VGK(P)

Outdoor Unit

R32



MUZ-AY15VG



MUZ-AY20VG



MUZ-AY25/35/42VG(H)



MUZ-AY50VG(H)

Remote Controller



Type			Inverter Heat Pump											
Indoor Unit			MSZ-AY15VGK(P)	MSZ-AY20VGK(P)	MSZ-AY25VGK(P)	MSZ-AY25VGK(P)	MSZ-AY35VGK(P)	MSZ-AY35VGK(P)	MSZ-AY42VGK(P)	MSZ-AY42VGK(P)	MSZ-AY50VGK(P)	MSZ-AY50VGK(P)		
Outdoor Unit			MUZ-AY15VG	MUZ-AY20VG	MUZ-AY25VG	MUZ-AY25VG	MUZ-AY35VG	MUZ-AY35VG	MUZ-AY42VG	MUZ-AY42VG	MUZ-AY50VG	MUZ-AY50VG		
Refrigerant			R32 ⁽¹⁾											
Power Supply	Source		Outdoor Power supply											
	Outdoor (V / Phase / Hz)		230/Single/50											
Cooling	Design load		kW	1.5	2.0	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0	
	Annual electricity consumption ⁽²⁾		kWh/a	72	81	100	100	141	141	186	186	232	232	
	SEER ⁽⁴⁾			7.2	8.6	8.7	8.7	8.7	8.7	7.9	7.9	7.5	7.5	
	Energy efficiency class			A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	
	Capacity		Rated	kW	1.5	2.0	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0
			Min-Max	kW	0.5-2.2	0.6-2.7	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8	0.9-4.5	0.9-4.5	1.4-5.4	1.4-5.4
Heating (Average Season) ⁽³⁾	Total Input		Rated	kW	0.370	0.460	0.600	0.600	0.990	0.990	1.300	1.300	1.540	1.540
	Design load		kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	
	Declared Capacity		at reference design temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)
			at bivalent temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)
			at operation limit temperature	kW	1.6 (-15°C)	1.8 (-20°C)	1.9 (-20°C)	1.9 (-20°C)	2.0 (-20°C)	2.0 (-20°C)	2.7 (-20°C)	2.7 (-20°C)	3.0 (-20°C)	3.0 (-20°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)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
	Annual electricity consumption ⁽²⁾		kWh/a	558	766	697	709	863	880	1131	1146	1248	1265	
	SCOP ⁽⁴⁾			4.0	4.2	4.8	4.7	4.7	4.6	4.7	4.6	4.7	4.6	
	Energy efficiency class			A+	A+	A++	A++	A++	A++	A++	A++	A++	A++	
	Capacity		Rated	kW	2.0	2.5	3.2	3.2	4.0	4.0	5.2	5.2	5.5	5.5
			Min	kW	0.5	0.5	1.0	1.0	1.3	1.3	1.3	1.3	1.4	1.4
Max at 7°C			kW	3.1	3.5	4.1	4.1	4.6	4.6	6.0	6.0	7.3	7.3	
Total Input		Rated	kW	0.500	0.600	0.780	0.780	1.030	1.030	1.390	1.390	1.470	1.470	
Operating Current (Max)			A	5.5	7.0	7.6	7.6	7.6	7.6	9.9	9.9	13.8	13.8	
Indoor Unit	Input		Rated	kW	0.017	0.019	0.026	0.026	0.026	0.026	0.032	0.032	0.032	0.032
	Operating Current (Max)		A	0.17	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Dimensions		H*W*D	mm	250-760-199	250-760-199	299-798-245	299-798-245	299-798-245	299-798-245	299-798-245	299-798-245	299-798-245	
	Weight		kg	VGK 9.1, VGK 8.9	VGK 9.1, VGK 8.9	VGK 11, VGK 10.5	VGK 11, VGK 10.5	VGK 11, VGK 10.5	VGK 11, VGK 10.5	VGK 11, VGK 10.5	VGK 11, VGK 10.5	VGK 11, VGK 10.5	VGK 11, VGK 10.5	
	Air Volume (Lo-Low-Mid-Hi-SH) ⁽³⁾		m³/min	28-37-44-52-61	28-37-44-52-66	36-50-63-78-105	36-50-63-78-105	36-50-63-78-111	36-50-63-78-111	45-57-70-84-105	45-57-70-84-105	52-64-75-91-117	52-64-75-91-117	
	Sound Level (SPL) (Lo-Low-Mid-Hi-SH) ⁽³⁾		dB(A)	19 ⁽⁶⁾ -26-30-35-40	19 ⁽⁶⁾ -26-30-35-42	18-24-30-36-42	18-24-30-36-42	18-24-30-36-42	18-24-30-36-42	21-29-34-38-42	21-29-34-38-42	26-33-38-40-44	26-33-38-40-44	
	Sound Level (PWL) (Lo-Low-Mid-Hi-SH) ⁽³⁾		dB(A)	19 ⁽⁶⁾ -26-30-35-40	19 ⁽⁶⁾ -26-30-35-42	18-24-31-38-45	18-24-31-38-45	18-24-31-38-45	18-24-31-38-45	21-29-35-40-45	21-29-35-40-45	26-33-38-43-48	26-33-38-43-48	
			Cooling		54	57	57	57	57	57	57	58	58	
	Dimensions		H*W*D	mm	538-699-249	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285	714-800-285	714-800-285	
	Weight		kg	23	27.5	27	27	28.5	28.5	34	34	40.5	40.5	
Outdoor Unit	Air Volume		Cooling	m³/min	26	32.2	32.2	32.2	32.2	32	32	40.5	40.5	
			Heating	m³/min	21	29.8	29.8	29.8	29.8	28.1	28.1	37.4	37.4	
	Sound Level (SPL)		Cooling	dB(A)	45	47	47	47	49	49	50	52	52	
			Heating	dB(A)	45	48	48	48	50	50	51	52	52	
	Sound Level (PWL)		Cooling	dB(A)	58	59	59	59	61	61	61	64	64	
	Operating Current (Max)		A	5.3	6.8	7.3	7.3	7.3	7.3	9.6	9.6	13.5	13.5	
	Breaker Size		A	10	10	10	10	10	10	10	10	16	16	
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	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	
	Chargeless piping length		Out-In	m	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	
	Max.Length		Out-In	m	20	20	20	20	20	20	20	20	20	
	Max.Height		Out-In	m	12	12	12	12	12	12	12	12	12	
Guaranteed Operating Range (Outdoor)				Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
				Heating	°C	-15 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +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 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, 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 R32 is 675 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 53-54 for heating (warmer season) specifications.

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