MSZ-AY SERIES

Indoor Unit R32 R410A

MSZ-AY15/20VGK(P)2

MSZ-AY25/35/42/50VGK(P)2

Outdoor Unit R32

MUZ-AY15VG2

MUZ-AY20VG2

MUZ-AY25/35/42VG(H)2

MUZ-AY50VG(H)2

Remote Controller

Type				Inverter Heat Pump									
Indoor Unit				MSZ-AY15VGK(P)2	MSZ-AY20VGK(P)2	MSZ-AY25VGK(P)2	MSZ-AY25VGK(P)2	MSZ-AY35VGK(P)2	MSZ-AY35VGK(P)2	MSZ-AY42VGK(P)2	MSZ-AY42VGK(P)2	MSZ-AY50VGK(P)2	MSZ-AY50VGK(P)2
Outdoor Unit				MUZ-AY15VG2	MUZ-AY20VG2	MUZ-AY25VG2	MUZ-AY25VGH2	MUZ-AY35VG2	MUZ-AY35VGH2	MUZ-AY42VG2	MUZ-AY42VGH2	MUZ-AY50VG2	MUZ-AY50VGH2
Refrigerant				R32(*1)									
Power Supply	Source			Outdoor Power supply									
	Outdoor (V / Phase / Hz)			230V/Single/50									
Cooling	Design load		kW	1.5	2.0	2.5		3.5		4.2		5.0	
	Annual electricity consumption (*2)		kWh/a	72	81	100		141		186		232	
	SEER (*4)			7.2	8.6	8.7				7.9		7.5	
		Energy efficiency class		A++	A+++					A++			
	Capacity	Rated	kW	1.5	2.0	2.5		3.5		4.2		5.0	
		Min-Max	kW	0.5-2.2	0.6-2.7	0.9-3.4		1.1-3.8		0.9-4.5		1.4-5.4	
	Total Input	Rated	kW	0.370	0.460	0.600		0.990		1.300		1.540	
Heating (Average Season)(*5)	Design load		kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)		2.9 (-10°C)		3.8 (-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)		2.9 (-10°C)		3.8 (-10°C)		4.2 (-10°C)	
		at bivalent temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)		2.9 (-10°C)		3.8 (-10°C)		4.2 (-10°C)	
		at operation limit temperature	kW	1.6 (-15°C)	1.8 (-20°C)	2.1 (-20°C)		2.0 (-20°C)		2.9 (-20°C)		3.0 (-20°C)	
	Back up heating capacity		kW	0.0 (-10°C)									
	Annual electricity consumption (*2)		kWh/a	558	766	696	711	864	880	1131	1144	1249	1267
	SCOP (*4)			4.0	4.2	4.8	4.7		4.6	4.7	4.6	4.7	4.6
		Energy efficiency class		A+		A++							
	Capacity	Rated	kW	2.0	2.5	3.2		4.0		5.2		5.5	
		Min	kW	0.5		1.0		1.3				1.4	
		Max at 7°C	kW	3.1	3.5	4.1		4.6		6.0		7.3	
	Total Input	Rated	kW	0.500	0.600	0.780		1.030		1.390		1.470	
Operating Current (Max)			A	5.5	7.0	7.6				9.9		12.5	
Indoor Unit	Input	Rated	kW	0.017	0.019	0.026				0.032			
	Operating Current (Max)		A	0.17	0.2	0.3							
	Dimensions	H*W*D	mm	250-760-199		299-798-245							
	Weight		kg	VGKP:8.1, VGK:7.9		VGKP:11, VGK:10.5							
	Air Volume (SLo-Lo-Mid-Hi-SHi(*3))	Cooling	m³/min	2.8 - 3.7 - 4.4 - 5.2 - 6.1	2.8 - 3.7 - 4.4 - 5.2 - 6.6	3.6- 5.0 - 6.3 - 7.8- 10.5		3.6- 5.0 - 6.3 - 7.8 - 11.1		4.5 - 5.7 - 6.9 - 8.4 - 11.4		5.2 - 6.4 - 7.5 - 9.1 - 11.7	
		Heating	m³/min	2.8 - 3.9 - 4.5 - 5.4 - 6.1	2.8 - 3.9 - 4.5 - 5.4 - 7.1	4.0 - 5.0 - 6.6 - 8.0 - 11.8		4.0 - 5.0 - 6.6 - 8.0 - 12.3		4.4 - 5.3 - 6.9 - 8.5 - 13.0		6.1 - 6.4 - 7.5 - 9.1 - 13.0	
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*3))	Cooling	dB(A)	19(*6) - 26 - 30 - 35 - 40	19(*6) - 26 - 30 - 35 - 42	18 - 24 - 30 - 36 - 42				21 - 29 - 34 - 38 - 42		28 - 33 - 36 - 40 - 44	
		Heating	dB(A)	19(*6) - 26 - 30 - 35 - 40	19(*6) - 26 - 30 - 35 - 42	18 - 24 - 34 - 39 - 45		18 - 24 - 31 - 38 - 45		21 - 29 - 35 - 40 - 45		28 - 33 - 38 - 43 - 48	
	Sound Level (PWL)	Cooling	dB(A)	54	57							58	
Outdoor Unit	Dimensions	H*W*D	mm	538-699-249	550-800-285							714-800-285	
	Weight		kg	23	27.5	26.5	27			33	33.5	40.5	
	Air Volume	Cooling	m³/min	26	32.2					32		40.5	
		Heating	m³/min	21	29.8					28.1		37.4	
	Sound Level (SPL)	Cooling	dB(A)	45	47		49			50		52	
		Heating	dB(A)	45	48		50			51		52	
	Sound Level (PWL)	Cooling	dB(A)	58	59		61					64	
	Operating Current (Max)		A	5.3	6.8	7.3				9.6		12.2	
	Breaker Size		A	10								16	
Ext. Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52									
	Chargeless piping length	Out-In	m	7.5									
	Max.Length	Out-In	m	20									
	Max.Height	Out-In	m	12									
Guaranteed Operating Range (Outdoor)		Cooling	°C	-10 ~ +46									
		Heating	°C	-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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO_2, 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) SHi: 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 57-58 for heating (warmer season) specifications.
(*6) For single use: only 19dB(A), For multi use (MXZ): 21dB(A).