

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-AY25VG2	MUZ-AY35VG2	MUZ-AY35VG2	MUZ-AY42VG2	MUZ-AY42VG2	MUZ-AY50VG2	MUZ-AY50VG2
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	3.5	4.2	5.0			
	Annual electricity consumption ⁽²⁾	kWh/a	72	81	100	141	186	232			
	SEER ⁽³⁾		7.2	8.6	8.7	7.9	7.5				
	Energy efficiency class		A++		A+++		A++				
	Capacity										
Heating (Average Season) ⁽⁴⁾	Rated	kW	1.5	2.0	2.5	3.5	4.2	5.0			
	Mn-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		
	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 bi-valent 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	890	1131	1144	1249
	SCOP ⁽⁵⁾		4.0	4.2	4.8	4.7	4.6	4.7	4.6	4.7	4.6
Operating Current (Max)	Energy efficiency class		A+			A++					
	Rated	kW	2.0	2.5	3.2	4.0	5.2	5.5			
	Mn	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		
	Input	Rated	A	5.5	7.0	7.6	9.9	12.5			
		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	VGK(P)8.1, VGK(P)9		VGK(P)11, VGK(P)10.5						
Indoor Unit	Air Volume (SLo-Lo-Mid-Hi-SH) ⁽⁶⁾	Cooling	m³/min	28-37-44-52-61	28-37-44-52-66	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	28-39-45-54-61	28-39-45-54-71	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)	Cooling	dB(A)	19 ⁽⁸⁾ -26-30-35-40	19 ⁽⁸⁾ -26-30-35-42	18-24-30-36-42		21-29-34-38-42	28-33-36-40-44		
		Heating	dB(A)	19 ⁽⁸⁾ -26-30-35-40	19 ⁽⁸⁾ -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		
	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		50	52		
Outdoor Unit		Heating	dB(A)	45		48		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		
	Diameter	Liquid/Gas	mm			6.35 / 9.52					
	Charge 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					

(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 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 57-58 for heating (warmer season) specifications.

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