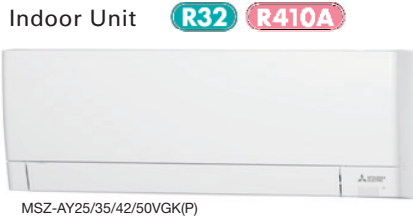


MSZ-AY SERIES



Type		Inverter Heat Pump											
Indoor Unit		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-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		2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0		
	Annual electricity consumption ⁽²⁾	kWh/a		100	100	141	141	186	186	232	232		
	SEER ⁽⁴⁾			8.7	8.7	8.7	8.7	7.9	7.9	7.5	7.5		
	Capacity	Energy efficiency class		A+++		A+++		A++		A++			
		Rated	kW		2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0	
Heating (Average Season) ⁽⁵⁾	Declared Capacity	at reference design temperature		kW		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		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)
	Back up heating capacity	kW		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)		
	Annual electricity consumption ⁽²⁾	kWh/a		697	709	863	880	1131	1146	1248	1265		
	SCOP ⁽⁴⁾			4.8	4.7	4.7	4.6	4.7	4.6	4.7	4.6		
Operating Current (Max)	Energy efficiency class		A++		A++		A++		A++				
	Rated	kW		3.2	3.2	4.0	4.0	5.2	5.2	5.5	5.5		
	Min	kW		1.0	1.0	1.3	1.3	1.3	1.3	1.4	1.4		
	Max at 7°C	kW		4.1	4.1	4.6	4.6	6.0	6.0	7.3	7.3		
	Total Input	Rated		kW		0.780	0.780	1.030	1.030	1.390	1.390	1.470	1.470
Indoor Unit	Input		Rated		kW		0.026	0.026	0.026	0.032	0.032	0.032	0.032
	Operating Current (Max)		A		0.3		0.3		0.3		0.3		
	Dimensions		H*W*D		mm		299-798-245		299-798-245		299-798-245		
	Weight		kg		VGKP:11, VGK:10.5		36-50-63-78-10.5		36-50-63-78-10.5		36-50-63-78-10.5		
	Air Volume (SLo-Lo-Mid-Hi-SH ⁽³⁾)	Cooling		m ³ /min		4.0-5.0-6.6-8.0-11.8		4.0-5.0-6.6-8.0-11.8		4.0-5.0-6.6-8.0-11.8		4.0-5.0-6.6-8.0-11.8	
Heating		m ³ /min		4.0-5.0-6.6-8.0-11.8		4.0-5.0-6.6-8.0-11.8		4.0-5.0-6.6-8.0-11.8		4.0-5.0-6.6-8.0-11.8			
Sound Level (SPL) (SLo-Lo-Mid-Hi-SH ⁽³⁾)	Cooling		dB(A)		18-24-30-36-42		18-24-30-36-42		18-24-30-36-42		18-24-30-36-42		
	Heating		dB(A)		18-24-34-39-45		18-24-34-39-45		18-24-34-39-45		18-24-34-39-45		
Sound Level (PWL) (SLo-Lo-Mid-Hi-SH ⁽³⁾)	Cooling		dB(A)		57		57		57		57		
	Heating		dB(A)		57		57		57		57		
Outdoor Unit	Dimensions		H*W*D		mm		550-800-285		550-800-285		550-800-285		
	Weight		kg		27		27		28.5		28.5		
	Air Volume	Cooling		m ³ /min		32.2		32.2		32		32	
		Heating		m ³ /min		29.8		29.8		28.1		28.1	
	Sound Level (SPL)	Cooling		dB(A)		47		47		49		49	
Heating		dB(A)		48		48		50		51			
Sound Level (PWL)	Cooling		dB(A)		59		59		61		61		
	Heating		dB(A)		59		59		61		61		
Operating Current (Max)		A		7.3		7.3		7.3		9.6		9.6	
Breaker Size		A		10		10		10		10		10	
Ext. Piping	Diameter		Liquid/Gas		mm		6.35 / 9.52		6.35 / 9.52		6.35 / 9.52		
	Chargeless piping length		Out-In		m		7.5		7.5		7.5		
	Max.Length		Out-In		m		20		20		20		
	Max.Height		Out-In		m		12		12		12		
Guaranteed Operating Range (Outdoor)	Cooling		°C		-10 ~ +46		-10 ~ +46		-10 ~ +46		-10 ~ +46		
	Heating		°C		-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 57-58 for heating (warmer season) specifications.