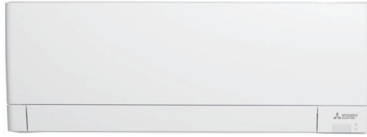


# AYseries

## Indoor Unit



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

## Outdoor Unit



MUZ-AY25VG  
MUZ-AY25VGH



MUZ-AY35VG  
MUZ-AY35VGH



MUZ-AY42VG  
MUZ-AY42VGH



MUZ-AY50VG  
MUZ-AY50VGH



## Remote Controller

## Functions and Features



## Specifications

Indoor Unit		MSZ-AY25VGK(P)	MSZ-AY25VGH	MSZ-AY35VGK(P)	MSZ-AY35VGH	MSZ-AY42VGK(P)	MSZ-AY42VGH	MSZ-AY50VGK(P)	MSZ-AY50VGH	
Outdoor Unit		MUZ-AY25VG	MUZ-AY25VGH	MUZ-AY35VG	MUZ-AY35VGH	MUZ-AY42VG	MUZ-AY42VGH	MUZ-AY50VG	MUZ-AY50VGH	
Refrigerant		Single:R32(*1) / Multi: R410A or R32(*1)								
Power Supply	Source	Outdoor Power supply		Outdoor Power supply		Outdoor Power supply		Outdoor Power supply		
	Outdoor(V/Phase/Hz)	230/Single/50		230/Single/50		230/Single/50		230/Single/50		
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	5.0	5.0	
	Annual electricity consumption <sup>(*)</sup>	kWh/a	100	100	141	141	186	186	232	
	SEER <sup>(*)</sup>		8.7	8.7	8.7	8.7	7.9	7.9	7.5	
	Energy efficiency class	Rated	kW	2.5	2.5	3.5	3.5	4.2	5.0	5.0
		Capacity	Min-Max	kW	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8	0.9-4.5	0.9-4.5
	Total Input	Rated	kW	0.600	0.600	0.990	0.990	1.300	1.300	1.540
Heating (Average Season)	Design load	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)	
	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)
		at bivalent 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)
		at operation limit temperature	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)
	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)	
	Annual electricity consumption <sup>(*)</sup>	kWh/a	697	709	863	880	1131	1146	1248	
	SCOP <sup>(*)</sup>	Energy efficiency class		A++	A++	A++	A++	A++	A++	A++
		Rated	kW	3.2	3.2	4.0	4.0	5.2	5.2	5.5
	Capacity	Min	kW	1.0	1.0	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
	Total Input	Rated	kW	0.780	0.780	1.030	1.030	1.390	1.390	
Operating Current(Max)	Input	Rated	kW	0.026	0.026	0.026	0.026	0.032	0.032	
	Operating Current(Max)	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Indoor Unit	Dimensions	H*W*D	mm	299*798*245	299*798*245	299*798*245	299*798*245	299*798*245	299*798*245	
	Weight		kg	VGKP:11, VGK:10.5	VGKP:11, VGK:10.5	VGKP:11, VGK:10.5	VGKP:11, VGK:10.5	VGKP:11, VGK:10.5	VGKP:11, VGK:10.5	
	Air Volume (SLo-Lo-Mid-Hi-Shi <sup>(*)</sup> )	Cooling	m <sup>3</sup> /min	3.6-5.0-6.3-7.8-10.5	3.6-5.0-6.3-7.8-10.5	3.6-5.0-6.3-7.8-11.1	3.6-5.0-6.3-7.8-11.1	4.5-5.7-7.0-8.4-10.5	4.5-5.7-7.0-8.4-10.5	5.2-6.4-7.5-9.1-11.7
		Heating	m <sup>3</sup> /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	4.4-5.4-7.0-8.6-12.9	4.4-5.4-7.0-8.6-12.9	4.8-5.7-7.3-9.1-12.9
	Sound Level (SPL) (SLo-Lo-Mid-Hi-Shi <sup>(*)</sup> )	Cooling	dB(A)	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	28-33-36-40-44
		Heating	dB(A)	18-24-34-39-45	18-24-34-39-45	18-24-31-38-45	18-24-31-38-45	21-29-35-40-45	21-29-35-40-45	28-33-38-43-48
	Sound Level (PWL)	Cooling	dB(A)	57	57	57	57	57	57	58
		Heating	dB(A)	57	57	57	57	57	57	58
	Dimensions	H*W*D	mm	550*800*285	550*800*285	550*800*285	550*800*285	550*800*285	550*800*285	
	Weight		kg	27	27	28.5	28.5	34	34	
Outdoor Unit	Air Volume	Cooling	m <sup>3</sup> /min	32.2	32.2	32.2	32.2	32	32	
		Heating	m <sup>3</sup> /min	29.8	29.8	29.8	29.8	28.1	28.1	
	Sound Level (SPL)	Cooling	dB(A)	47	47	49	49	50	50	
		Heating	dB(A)	48	48	50	50	51	51	
	Sound Level (PWL)	Cooling	dB(A)	59	59	61	61	61	61	
Operating Current(Max)	A	7.3	7.3	7.3	7.3	9.6	9.6	13.5		
Breaker Size	A	10	10	10	10	10	10	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	
	Chargeless piping length	Out-In	m	7.5	7.5	7.5	7.5	7.5	7.5	
	Max.Length	Out-In	m	20	20	20	20	20	20	
	Max.Height	Out-In	m	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	
	Heating	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	
Refrigerant	Refrigerant	Type		R32	R32	R32	R32	R32	R32	
		GWP		675	675	675	675	675	675	
	Pre-charged quantity	Weight	kg	0.55	0.55	0.55	0.55	0.70	0.70	
		CO <sub>2</sub> equivalent	t	0.37	0.37	0.37	0.37	0.47	0.47	
	Max added quantity	Quantity	Weight	kg	0.26	0.26	0.26	0.26	0.26	
		CO <sub>2</sub> equivalent	t	0.18	0.18	0.18	0.18	0.18		

(\*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 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) 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". (\*4) Shi: Super High.