

# MSZ-A SERIES



## Indoor Unit

R32 R410A

※VGK model Wi-Fi Interface built-in.



MSZ-AP25/35/42/50VG(K)



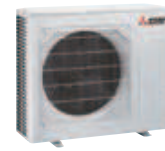
MSZ-AP60/71VG(K)

## Outdoor Unit

R32



MUZ-AP25/35/42VG(H)

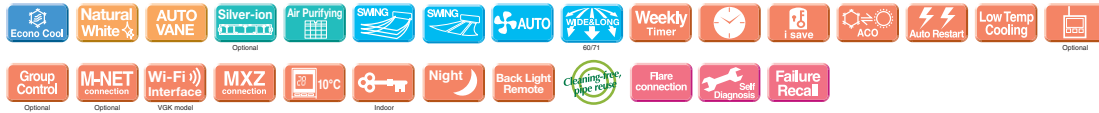


MUZ-AP50VG(H)/60VG



MUZ-AP71VG

## Remote Controller



Type	Inverter Heat Pump									
Indoor Unit	MSZ-AP42VG(K)	MSZ-AP42VG(K)	MSZ-AP50VG(K)	MSZ-AP50VG(K)	MSZ-AP60VG(K)	MSZ-AP71VG(K)				
Outdoor Unit	MUZ-AP42VG	MUZ-AP42VG(H)	MUZ-AP50VG	MUZ-AP50VG(H)	MUZ-AP60VG	MUZ-AP71VG				
Refrigerant	Single: R32 <sup>(1)</sup> / Multi: R410A or R32 <sup>(1)</sup>				Single: R32 <sup>(1)</sup>					
Power Supply	Source	Outdoor Power supply								
	Outdoor (V / Phase / Hz)	230 / Single / 50								
Cooling	Design load	kW		4.2	4.2	5.0	5.0	6.1	7.1	
	Annual electricity consumption <sup>(2)</sup>	kWh/a		188	188	236	236	288	345	
	SEER <sup>(4)</sup>			7.8	7.8	7.4	7.4	7.4	7.2	
	Energy efficiency class			A++	A++	A++	A++	A++	A++	
		Rated	kW		4.2	4.2	5.0	5.0	6.1	7.1
Capacity	Min-Max	kW		0.9-4.5	0.9-4.5	1.4-5.4	1.4-5.4	1.4-7.3	2.0-8.7	
		Rated	kW		1.300	1.300	1.550	1.550	1.590	2.010
Heating (Average Season) <sup>(5)</sup>	Design load	kW		3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)	
	Declared Capacity	at reference design temperature		kW		3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
		at bivalent temperature		kW		3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	Back up heating capacity	at operation limit temperature		kW		4.2 (-15°C)	3.8 (-20°C)	4.7 (-15°C)	3.7 (-15°C)	5.4 (-15°C)
		at 0.0 (-10°C)		kW		0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
Annual electricity consumption <sup>(2)</sup>	kWh/a		1120	1134	1250	1275	1398	2132		
SCOP <sup>(4)</sup>			4.7	4.6	4.7	4.6	4.6	4.4		
	Energy efficiency class		A++		A++	A++	A++	A+		
Capacity	Rated	kW		5.4	5.4	5.8	5.8	6.8	8.1	
		Min-Max	kW		1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-8.6	2.2-10.3
Total Input	Rated	kW		1.490	1.490	1.600	1.600	1.670	2.120	
Operating Current (Max)	Input	A		9.9	9.9	13.6	13.6	14.1	16.4	
	Operating Current (Max)	A		0.032	0.032	0.032	0.032	0.049	0.045	
Indoor Unit	Dimensions	H*W*D		mm		299-798-219	299-798-219	299-798-219	325-1100-257	325-1100-257
		Weight		kg		10.5	10.5	10.5	16.0	17.0
	Air Volume (SLo-Lo-Mid-Hi-SH <sup>(3)</sup> Dry/Wet)	Cooling	m <sup>3</sup> /min		5.4 - 6.5 - 7.7 - 9.3 - 11.4	5.4 - 6.5 - 7.7 - 9.3 - 11.4	6.0 - 7.2 - 8.4 - 10.0 - 12.6	6.0 - 7.2 - 8.4 - 10.0 - 12.6	9.4 - 11.0 - 13.2 - 16.0 - 18.9	9.6 - 11.5 - 13.2 - 15.3 - 18.6
		Heating	m <sup>3</sup> /min		5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0	10.8 - 13.4 - 15.4 - 17.4 - 20.3	10.2 - 11.5 - 13.2 - 15.3 - 19.2
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH <sup>(3)</sup> )	Cooling	dB(A)		21 - 29 - 34 - 38 - 42	21 - 29 - 34 - 38 - 42	28 - 33 - 36 - 40 - 44	28 - 33 - 36 - 40 - 44	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49
Heating		dB(A)		21 - 29 - 35 - 40 - 45	21 - 29 - 35 - 40 - 45	28 - 33 - 38 - 43 - 48	28 - 33 - 38 - 43 - 48	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51	
Sound Level (PWL)	Cooling	dB(A)		57	57	58	58	65	65	
	Heating	dB(A)		57	57	58	58	65	65	
Dimensions	H*W*D	mm		550-800-285	550-800-285	714-800-285	714-800-285	714-800-285	880-840-330	
		Weight		kg		35	35	40	45	
Outdoor Unit	Air Volume	Cooling	m <sup>3</sup> /min		30.4	30.4	40.5	40.5	52.1	54.1
		Heating	m <sup>3</sup> /min		32.7	32.7	40.5	40.5	52.1	47.9
	Sound Level (SPL)	Cooling	dB(A)		50	50	52	52	56	56
		Heating	dB(A)		51	51	52	52	57	55
	Sound Level (PWL)	Cooling	dB(A)		61	61	64	64	69	69
Heating		dB(A)		61	61	64	64	69	69	
Operating Current (Max)	A		9.6	9.6	13.3	13.3	13.6	16.0		
Breaker Size	A		10	10	16	16	16	20		
Ext. Piping	Diameter	Liquid/Gas	mm		6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	
	Max.Length	m		20	20	20	20	30		
	Max.Height	m		12	12	12	12	15		
Guaranteed Operating Range (Outdoor)	Cooling	°C		-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46		
	Heating	°C		-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-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 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 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.  
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 51-52 for heating (warmer season) specifications.