

MSZ-A SERIES

Indoor Unit

R32 R410A



MSZ-AP15/20VG



*AP15 for MXZ Connection Only

Outdoor Unit

R32



MUZ-AP20VG

Remote Controller



Type	Inverter Heat Pump								
Indoor Unit	MSZ-AP15VG	MSZ-AP20VG	MSZ-AP25VG(K)	MSZ-AP25VG(K)	MSZ-AP35VG(K)	MSZ-AP35VG(K)			
Outdoor Unit	for MXZ connection	MUZ-AP20VG	MUZ-AP25VG	MUZ-AP25VGH	MUZ-AP35VG	MUZ-AP35VGH			
Refrigerant	Single: R32 ⁽¹⁾ / Multi: R410A or R32 ⁽¹⁾								
Power Supply	Outdoor Power supply								
Source	230 / Single / 50								
Cooling	Design load	kW	-	2.0	2.5	2.5	3.5	3.5	
	Annual electricity consumption ⁽²⁾	kWh/a	-	81	101	101	142	142	
	SEER ⁽⁴⁾	-	-	8.6	8.6	8.6	8.6	8.6	
	Capacity	Energy efficiency class		-	A+++	A+++	A+++	A+++	A+++
		Rated	kW	-	2.0	2.5	2.5	3.5	3.5
	Total Input	Rated	kW	-	0.6-2.7	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8
Heating (Average Season) ⁽⁵⁾	Design load	kW	-	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	
	Declared Capacity	at reference design temperature	kW	-	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)
		at bivalent temperature	kW	-	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)
		at operation limit temperature	kW	-	2.2 (-15°C)	2.4 (-15°C)	2.2 (-20°C)	2.6 (-15°C)	2.4 (-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)	
	Annual electricity consumption ⁽²⁾	kWh/a	-	766	698	703	862	873	
SCOP ⁽⁴⁾	Energy efficiency class		-	A+	A++	A++	A++	A++	
	Rated	kW	-	2.5	3.2	3.2	4.0	4.0	
Capacity	Min-Max	kW	-	0.5-3.5	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6	
	Total Input	Rated	kW	-	0.600	0.780	0.780	1.030	1.030
Operating Current (Max)	A	-	-	7.0	7.1	7.1	8.5	8.5	
Indoor Unit	Input	Rated	kW	0.017	0.019	0.026	0.026	0.026	
		Operating Current (Max)	A	0.17	0.2	0.3	0.3	0.3	
	Dimensions	H*W*D	mm	250-760-178	250-760-178	299-798-219	299-798-219	299-798-219	
	Weight	kg	-	8.2	10.5	10.5	10.5		
	Air Volume (SLo-Lo-Mid-Hi-SH ⁽³⁾ Dry/Wet)	Cooling	m ³ /min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4
		Heating	m ³ /min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH ⁽³⁾)	Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42
		Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 - 24 - 34 - 39 - 45	19 - 24 - 34 - 39 - 45	19 - 24 - 31 - 38 - 45	19 - 24 - 31 - 38 - 45
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57	57	
		Heating	dB(A)	-	-	48	48	50	
Dimensions	H*W*D	mm	-	550-800-285	550-800-285	550-800-285	550-800-285		
Weight	kg	-	-	31	31	31	31		
Outdoor Unit	Air Volume	Cooling	m ³ /min	-	32.2	32.2	32.2	32.2	
		Heating	m ³ /min	-	29.8	29.8	29.8	33.8	
	Sound Level (SPL)	Cooling	dB(A)	-	47	47	49	49	
		Heating	dB(A)	-	48	48	48	50	
	Sound Level (PWL)	Cooling	dB(A)	-	59	59	59	61	
		Heating	dB(A)	-	6.8	6.8	6.8	8.2	
Operating Current (Max)	A	-	-	10	10	10			
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	
	Max.Length	Out-In	m	-	20	20	20	20	
		Out-In	m	-	12	12	12	12	
	Max.Height	Out-In	m	-	-	-	-	-	
Guaranteed Operating Range (Outdoor)		Cooling	°C	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-	-15 ~ +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 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 51-52 for heating (warmer season) specifications.

MSZ-A SERIES



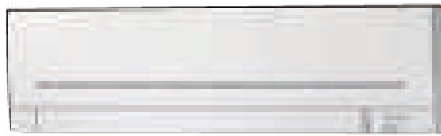
Indoor Unit



※VGK model Wi-Fi Interface built-in.



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



MSZ-AP60/71VG(K)

Outdoor Unit



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-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH	MUZ-AP60VG	MUZ-AP71VG			
Refrigerant	Single: R32 ⁽¹⁾ / Multi: R410A or R32 ⁽¹⁾				Single: R32 ⁽¹⁾				
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 ⁽²⁾	kWh/a	188	188	236	236	288	345	
	SEER ⁽⁴⁾		7.8	7.8	7.4	7.4	7.4	7.2	
	Energy efficiency class	Rated		A++	A++	A++	A++	A++	A++
		Capacity	kW	4.2	4.2	5.0	5.0	6.1	7.1
Heating (Average Season) ⁽⁵⁾	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)	4.2 (-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)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	at operation limit temperature	kW	4.2 (-15°C)	3.8 (-20°C)	4.7 (-15°C)	4.2 (-20°C)	3.7 (-15°C)	5.4 (-15°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)	
SCOP ⁽⁴⁾	Annual electricity consumption ⁽²⁾	kWh/a	1120	1134	1250	1275	1398	2132	
	Rated		4.7	4.6	4.7	4.6	4.6	4.4	
	Energy efficiency class	Rated		A++	A++	A++	A++	A+	
		Capacity	kW	5.4	5.4	5.8	5.8	6.8	8.1
	Total Input	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
Rated		kW	1.490	1.490	1.600	1.600	1.670	2.120	
Indoor Unit	Operating Current (Max)	A	9.9	9.9	13.6	13.6	14.1	16.4	
	Input	Rated	kW	0.032	0.032	0.032	0.032	0.049	0.045
		Operating Current (Max)	A	0.3	0.3	0.3	0.3	0.5	0.4
	Dimensions	H*W*D	mm	299-798-219	299-798-219	299-798-219	299-798-219	325-1100-257	325-1100-257
	Weight	kg	10.5	10.5	10.5	10.5	16.0	17.0	
Outdoor Unit	Air Volume (SLo-Lo-Mid-Hi-SH ⁽³⁾ Dry/Wet)	Cooling	m ³ /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 ³ /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 ⁽³⁾)	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	40	40	55	
	Air Volume	Cooling	m ³ /min	30.4	30.4	40.5	40.5	52.1	54.1
		Heating	m ³ /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 / 9.52	6.35 / 12.7	6.35 / 12.7
	Max.Length	Out-In	m	20	20	20	20	30	30
	Max.Height	Out-In	m	12	12	12	12	15	15
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24	

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