

MSZ-A SERIES

Indoor Unit

R32 R410A



MSZ-AP15/20VG(K)



reddot award 2018 winner

Outdoor Unit

R32



MUZ-AP15VG



MUZ-AP20VG

Remote Controller



Type			Inverter Heat Pump						
Indoor Unit			MSZ-AP15VG(K)	MSZ-AP20VG(K)	MSZ-AP25VG(K)	MSZ-AP25VG(K)	MSZ-AP35VG(K)	MSZ-AP35VG(K)	
Outdoor Unit			MUZ-AP15VG	MUZ-AP20VG	MUZ-AP25VG	MUZ-AP25VGH	MUZ-AP35VG	MUZ-AP35VGH	
Refrigerant			Single: R32 ^(*) / Multi: R410A or R32 ^(*)						
Power Supply			Outdoor Power supply						
Source			230 / Single / 50						
Outdoor (V / Phase / Hz)									
Cooling	Design load	kW	1.5	2.0	2.5	2.5	3.5	3.5	
	Annual electricity consumption ^(*)	kWh/a	72	81	101	101	142	142	
	SEER ^(*)		7.2	8.6	8.6	8.6	8.6	8.6	
	Energy efficiency class		A++	A++	A++	A++	A++	A++	
	Capacity	Rated	kW	1.5	2.0	2.5	2.5	3.5	3.5
	Min-Max	kW	0.5-2.2	0.6-2.7	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8	
	Total Input	Rated	kW	0.370	0.460	0.600	0.600	0.990	0.990
Heating (Average Season) ^(*)	Design load	kW	1.6 (-10°C)	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	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)
		at bivalent temperature	kW	1.6 (-10°C)	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	1.6 (-15°C)	2.2 (-15°C)	2.4 (-15°C)	2.4 (-15°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)	0.0 (-10°C)	
	Annual electricity consumption ^(*)	kWh/a	559	766	698	703	862	873	
	SCOP ^(*)		4.0	4.2	4.8	4.7	4.7	4.6	
	Capacity	Energy efficiency class		A+	A+	A++	A++	A++	A++
		Rated	kW	2.0	2.5	3.2	3.2	4.0	4.0
Min-Max		kW	0.5-3.1	0.5-3.5	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6	
	Total Input	Rated	kW	0.500	0.600	0.780	1.030	1.030	
Operating Current (Max)		A	5.5	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	0.026
	Operating Current (Max)	A	0.17	0.2	0.3	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	8.2	10.5	10.5	10.5	10.5	
	Air Volume (SLo-Lo-Mid-Hi-SH ^(*))	Cooling	m³/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	
		Heating	m³/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	
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH ^(*))	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	
		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	
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57	57	
	Dimensions	H*W*D	mm	538-699-249	550-800-285	550-800-285	550-800-285	550-800-285	
Outdoor Unit	Weight	kg	23	31	31	31	31	31	
	Air Volume	Cooling	m³/min	26	32.2	32.2	32.2	32.2	
		Heating	m³/min	21	29.8	29.8	29.8	33.8	
	Sound Level (SPL)	Cooling	dB(A)	50	47	47	47	49	
		Heating	dB(A)	50	48	48	48	50	
	Sound Level (PWL)	Cooling	dB(A)	63	59	59	59	61	
	Operating Current (Max)	A	5.3	6.8	6.8	6.8	8.2	8.2	
	Breaker Size	A	10	10	10	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	20
Max.Height		Out-In	m	12	12	12	12	12	
Guaranteed Operating Range (Outdoor)		Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +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) SHi 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 53-55 for heating (warmer season) specifications.

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-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH	MUZ-AP60VG	MUZ-AP71VG	
Refrigerant			Single: R32 ⁽¹⁾ / Multi: R410A or R32 ⁽¹⁾				Single: R32 ⁽¹⁾ / Multi: R32 ⁽¹⁾		
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 ⁽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		A++	A++	A++	A++	A++	A++	
		Capacity							
Heating (Average Season) ⁽⁵⁾	Rated	kW	4.2	4.2	5.0	5.0	6.1	7.1	
	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	
	Total Input	Rated	kW	1.300	1.300	1.550	1.550	2.010	
	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)	
	Annual electricity consumption ⁽²⁾	kWh/a	1120	1134	1250	1275	1398	2132	
	SCOP ⁽⁴⁾		4.7	4.6	4.7	4.6	4.6	4.4	
Energy efficiency class		A++	A++	A++	A++	A++	A+		
	Capacity								
Operating Current (Max)	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	1.670	2.120	
	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	
	Air Volume (SLo-Lo-Mid-Hi-SH) ⁽³⁾	Cooling	m³/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	m³/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	
Dimensions	H*W*D	mm	550-800-285	550-800-285	714-800-285	714-800-285	714-800-285	880-840-330	
Outdoor Unit	Weight	kg	35	35	40	40	40	55	
	Air Volume								
	Cooling	m³/min	30.4	30.4	40.5	40.5	52.1	54.1	
	Heating	m³/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
	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	-10 ~ +46
	Heating	°C	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24

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⁽³⁾ SHi 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 53-55 for heating (warmer season) specifications.