MSZ-A SERIES

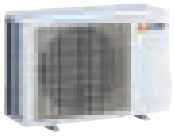
Indoor Unit R32 R410A

MSZ-AP15/20VG

reddot award 2018 winner

*AP15 for MXZ Connection Only

Outdoor Unit R32



MUZ-AP20VG

Remote Controller

Econo Cool | Natural White | AUTO VANE | SWING | AUTO | Weekly Timer | i save | ACO | Auto Restart | Optional | Group Control | Optional | M-NET connection | Optional | Wi-Fi Interface | Optional | MXZ connection | Flare connection | Self Diagnosis | Failure Recall

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	Source			Outdoor Power supply					
	Outdoor (V / Phase / Hz)			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
		Energy efficiency class		-	A+++	A+++	A+++	A+++	A+++
	Capacity	Rated	kW	-	2.0	2.5	2.5	3.5	3.5
		Min-Max	kW	-	0.6-2.7	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8
	Total Input	Rated	kW	-	0.460	0.600	0.600	0.990	0.990
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)			-	4.2	4.8	4.7	4.7	4.6
		Energy efficiency class		-	A+	A++	A++	A++	A++
	Capacity	Rated	kW	-	2.5	3.2	3.2	4.0	4.0
		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	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	299-798-219
	Weight		kg	8.2	8.2	10.5	10.5	10.5	10.5
	Air Volume (SLo-Lo-Mid-Hi-SHi(*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-SHi(*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	57
Outdoor Unit	Dimensions	H*W*D	mm	-	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285
	Weight		kg	-	31	31	31	31	31
	Air Volume	Cooling	m^3/min	-	32.2	32.2	32.2	32.2	32.2
		Heating	m^3/min	-	29.8	29.8	29.8	33.8	33.8
	Sound Level (SPL)	Cooling	dB(A)	-	47	47	47	49	49
		Heating	dB(A)	-	48	48	48	50	50
	Sound Level (PWL)	Cooling	dB(A)	-	59	59	59	61	61
	Operating Current (Max)		A	-	6.8	6.8	6.8	8.2	8.2
	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	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	-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 CO_2, 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 51-52 for heating (warmer season) specifications.

MSZ-A SERIES

Joint Lap | DC Fan Motor | PAM | Grooved Piping | SEER A+++ | SCOP A++

Indoor Unit R32 R410A

※VGK model Wi-Fi Interface built-in.

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

GOOD DESIGN

reddot award 2018 winner

MSZ-AP60/71VG(K)

Outdoor Unit R32

MUZ-AP25/35/42VG(H)

MUZ-AP50VG(H)/60VG

MUZ-AP71VG

Remote Controller

Econo Cool | Natural White | AUTO VANE | Silver-ion (Optional) | Air Purifying | SWING | SWING | AUTO | WIDE&LONG (60/71) | Weekly Timer | | i save | ACO | Auto Restart | Low Temp Cooling | (Optional)

Group Control (Optional) | M-NET connection (Optional) | Wi-Fi Interface (VGK model) | MXZ connection | 10°C (Indoor) | Night | Back Light Remote | Cleaning-free, pipe reuse | Flare connection | Self Diagnosis | Failure Recall

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	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	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	1.590	2.010
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)
	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	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)			A	9.9	9.9	13.6	13.6	14.1	16.4
Indoor Unit	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-SHi(*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-SHi(*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
Outdoor Unit	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
	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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