MSZ-E SERIES

Indoor Unit / Remote Controller

R32 R410A

White

MSZ-EF18/22/25/35/42/50VG(K)2W

Silver

MSZ-EF18/22/25/35/42/50VG(K)2S

Black

MSZ-EF18/22/25/35/42/50VG(K)2B*

GOOD DESIGN AWARD 2015

reddot award 2015 winner

* Soft-dry Cloth is enclosed with Black models.
* VGK model Wi-Fi interface built-in

Outdoor Unit

R32

MUZ-EF25/35VG(H)2, 42VG2

MUZ-EF50VG2

Type				Inverter Heat Pump							
Indoor Unit				MSZ-EF18VG(K)2	MSZ-EF22VG(K)2	MSZ-EF25VG(K)2	MSZ-EF25VG(K)2	MSZ-EF35VG(K)2	MSZ-EF35VG(K)2	MSZ-EF42VG(K)2	MSZ-EF50VG(K)2
Outdoor Unit				for MXZ connection		MUZ-EF25VG2	MUZ-EF25VGH2	MUZ-EF35VG2	MUZ-EF35VGH2	MUZ-EF42VG2	MUZ-EF50VG2
Refrigerant				R32(*1)							
Power Supply	Source			Outdoor Power supply							
	Outdoor (V / Phase / Hz)			230/Single/50							
Cooling	Design load		kW	-	2.5		3.5			4.2	5.0
	Annual electricity consumption (*3)		kWh/a	-	96		139			186	233
	SEER (*4)			-	9.1		8.8			7.9	7.5
		Energy efficiency class		-	A+++					A++	
	Capacity	Rated	kW	-	2.5		3.5			4.2	5.0
		Min-Max	kW	-	0.9-3.4		1.1-4.0			0.9-4.6	1.4-5.4
	Total Input	Rated	kW	-	0.540		0.910			1.200	1.540
Heating (Average Season)(*5)	Design load		kW	-	2.5 (-10°C)		2.9 (-10°C)			3.8 (-10°C)	4.2 (-10°C)
	Declared Capacity	at reference design temperature	kW	-	2.5 (-10°C)		2.9 (-10°C)			3.8 (-10°C)	4.2 (-10°C)
		at bivalent temperature	kW	-	2.5 (-10°C)		2.9 (-10°C)			3.8 (-10°C)	4.2 (-10°C)
		at operation limit temperature	kW	-	2.0 (-15°C)	1.6 (-20°C)	2.4 (-15°C)	1.7 (-20°C)		3.4 (-15°C)	3.5 (-15°C)
	Back up heating capacity		kW	-	0.0 (-10°C)						
	Annual electricity consumption (*3)		kWh/a	-	742	760	882	894		1147	1303
	SCOP (*4)			-	4.7	4.6		4.5		4.6	4.5
		Energy efficiency class		-	A++			A+		A++	A+
	Capacity	Rated	kW	-	3.2		4.0			5.4	5.8
		Min-Max	kW	-	0.9-4.2		1.2-5.1			1.2-6.3	1.4-7.5
	Total Input	Rated	kW	-	0.700		0.960			1.455	1.560
Operating Current (Max)			A	-	7.1					10.0	14
Indoor Unit	Input	Rated	kW	0.026			0.030			0.033	0.043
	Operating Current (Max)		A	0.3						0.4	
	Dimensions	H*W*D	mm	299-885-195							
	Weight		kg	11							
	Air Volume (SLo-Lo-Mid-Hi-SHi(*2))	Cooling	m³/min	3.8 - 4.5 - 6.5 - 8.7 - 11.1						5.9 - 6.8 - 8.0 - 9.3 - 11.8	5.9 - 7.0 - 8.2 - 9.7 - 11.9
		Heating	m³/min	3.8 - 4.5 - 6.4 - 9.3 - 12.5			3.8 - 4.5 - 6.4 - 9.3 - 13.4			5.9 - 6.8 - 8.0 - 9.3 - 11.8	5.9 - 7.0 - 8.2 - 9.7 - 11.9
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*2))	Cooling	dB(A)	19 - 23 - 29 - 36 - 42			21 - 24 - 30 - 36 - 42			28 - 31 - 35 - 39 - 43	30 - 33 - 36 - 40 - 43
		Heating	dB(A)	21 - 24 - 29 - 37 - 45			21 - 24 - 30 - 38 - 46			28 - 30 - 35 - 41 - 46	30 - 33 - 37 - 43 - 49
	Sound Level (PWL)	Cooling	dB(A)	60							
Outdoor Unit	Dimensions	H*W*D	mm	-	550-800-285						714-800-285
	Weight		kg	-	31		34			35	40
	Air Volume	Cooling	m³/min	-	27.8		34.3			32.0	40.2
		Heating	m³/min	-	29.8		32.7				40.2
	Sound Level (SPL)	Cooling	dB(A)	-	47		49			50	52
		Heating	dB(A)	-	48		50			51	52
	Sound Level (PWL)	Cooling	dB(A)	-	58		62				65
	Operating Current (Max)		A	-	6.8					9.6	13.6
	Breaker Size		A	-	10					12	16
Ext. Piping	Diameter	Liquid/Gas	mm	-	6.35 / 9.52						
	Max.Length	Out-In	m	-	20						30
	Max.Height	Out-In	m	-	12						15
Guaranteed Operating Range (Outdoor)		Cooling	°C	-	-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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 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 57-58 for heating (warmer season) specifications.