MSZ-LN SERIES

Indoor Unit / Remote Controller

R32 R410A PUMY

GOOD DESIGN AWARD 2016 BEST 100

<Pearl White>

MSZ-LN18/25/35/50/60VG3V

<Ruby Red>

MSZ-LN18/25/35/50/60VG3R

<Natural White>

MSZ-LN18/25/35/50/60VG3W

<Onyx Black>

MSZ-LN18/25/35/50/60VG3B

Outdoor Unit

R32

MUZ-LN25/35VG3

MUZ-LN50VG3

MUZ-LN60VG3

Type				Inverter Heat Pump				
Indoor Unit				MSZ-LN18VG3	MSZ-LN25VG3	MSZ-LN35VG3	MSZ-LN50VG3	MSZ-LN60VG3
Outdoor Unit				for MXZ connection	MUZ-LN25VG3	MUZ-LN35VG3	MUZ-LN50VG3	MUZ-LN60VG3
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	–	2.5	3.5	5.0	6.1
	Annual electricity consumption (*3)		kWh/a	–	83	129	205	285
	SEER (*4)			–	10.5	9.5	8.5	7.5
		Energy efficiency class		–	A+++			A++
	Capacity	Rated	kW	–	2.5	3.5	5.0	6.1
		Min-Max	kW	–	1.0 - 3.5	0.8 - 4.0	1.0 - 6.0	1.4 - 6.9
	Total Input	Rated	kW	–	0.485	0.820	1.380	1.790
Heating (Average Season)(*3)	Design load		kW	–	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)
	Declared Capacity	at reference design temperature	kW	–	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)
		at bivalent temperature	kW	–	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)
		at operation limit temperature	kW	–	2.5 (-15°C)	3.2 (-15°C)	4.2 (-15°C)	6.0 (-15°C)
	Back up heating capacity		kW	–	0.0 (-10°C)			
	Annual electricity consumption (*3)		kWh/a	–	807	988	1365	1816
	SCOP (*4)			–	5.2	5.1	4.6	
		Energy efficiency class		–	A+++		A++	
	Capacity	Rated	kW	–	3.2	4.0	6.0	6.8
		Min-Max	kW	–	0.7 - 5.4	0.9 - 6.3	1.0 - 8.2	1.8 - 9.3
	Total Input	Rated	kW	–	0.600	0.820	1.480	1.810
Operating Current (Max)			A	–	7.1	9.9	12.6	15.2
Indoor Unit	Input	Rated	kW	0.027			0.034	0.040
	Operating Current(Max)		A	0.3			0.4	
	Dimensions	H*W*D	mm	307-890-233				
	Weight		kg	14 (W) 15 (V, R, B)			14.5 (W) 15.5 (V, R, B)	
	Air Volume (SLo-Lo-Mid-Hi-SHi(*5))	Cooling	m³/min	4.7 - 5.9 - 7.1 - 9.2 - 12.4	4.7 - 5.6 - 6.8 - 8.5 - 12.4	4.7 - 5.6 - 6.8 - 8.5 - 13.0	5.7 - 7.6 - 8.9 - 10.6 - 13.9	7.1 - 8.9 - 10.6 - 12.7 - 15.7
		Heating	m³/min	4.5 - 6.6 - 7.5 - 11.0 - 13.9			5.4 - 6.4 - 8.6 - 12.1 - 15.7	6.6 - 9.5 - 11.5 - 13.6 - 15.7
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*5))	Cooling	dB(A)	19 - 23 - 29 - 36 - 42		19 - 24 - 29 - 36 - 43	27 - 31 - 35 - 39 - 46	29 - 37 - 41 - 45 - 49
		Heating	dB(A)	19 - 24 - 29 - 38 - 45	19 - 24 - 29 - 36 - 45		25 - 29 - 34 - 41 - 47	29 - 37 - 41 - 45 - 49
	Sound Level (PWL)	Cooling	dB(A)	58		59	60	65
Outdoor Unit	Dimensions	H*W*D	mm	–	550-800-285		714-800-285	880-840-330
	Weight		kg	–	32	34	40	53
	Air Volume	Cooling	m³/min	–	31.2		40.5	48.8
		Heating	m³/min	–	28.1	29.6	40.5	55.0
	Sound Level (SPL)	Cooling	dB(A)	–	46	49	51	55
		Heating	dB(A)	–	49	50	54	55
	Sound Level (PWL)	Cooling	dB(A)	–	60	61	64	65
	Operating Current (Max)		A	–	6.8	9.6	12.2	14.8
	Breaker Size		A	–	10		16	
Ext. Piping	Diameter	Liquid/Gas	mm	–	6.35/9.52			6.35/12.7
	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			

(*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.