

MLZ-KP09NA(2)-U1 & SUZ-KA09NAHZ

9,000 Btu/h 1-Way Ceiling-Cassette Heat Pump

Job Name:	Location:	Date:
Purchaser:	Submitted by:	
Submitted to:	Reference	Approval
System Designation:	Schedule Number #:	
Engineer:		



Energy Efficiency	SEER	18.9
	EER	12.5
	HSPF	11.0

Accessories:

Grille (MLP-444WU - Ordered separate) Auxiliary
Heat Connector Cable (MAC-1710RA-U)
Windscreen (ME-FR-24)

Optional Controls:

Wireless Controller (MHK2)
Wired Remote Controller (PAR-40MAA) (Requires MAC-334IF-E)
Thermostat Interface (PAC-US444CN-1)
System Control Interface (MAC-334IF-E)

Indoor unit	MCA (*)	A	1
	Fan Motor	F.L.A	0.68
	Fan Motor Output	W	30
	Air flow (Lo-Mid-Hi)	DRY(CFM)	212-254-283-311
		WET(CFM)	180-216-240-264
		Heating (CFM)	212-247-290-325
	External Static Pressure	in WG	0
	Sound Pressure Level (Lo-Mid-Hi)	Cooling dB (A)	27-31-34-38
		Heating dB (A)	26-29-34-37
	External Finish Color	Munsell 4.0GY 9.1/0.2	
	Dimensions	W: in	43-3/8
		D: in	14-3/16
		H: in	7-5/16
	Weight Unit	lbs	34
	Field Drainpipe O.D.	in	O.D. 1-1/4
	Refrigerant pipe Gas	in	3/8
	Refrigerant pipe Liquid	in	1/4
	Moisture Removal	Pints/h	1.8
	Sensible Heat Factor		0.78

*All electrical work shall comply with National (CEC), local codes and regulations.

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories for proper functioning of the unit(s). Use of non-MESCA supported accessories will affect warranty coverage.

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Outdoor unit	MCA (*)	A	14
	MOCP (*) (Breaker)	A	24 (15)
	Fan Motor	F.L.A.	0.67
	Compressor	Model(Type)	DC INVERTER-Driven Twin Rotary
		R.L.A.	10
		L.R.A.	12.5
	Air flow (Cooling/Heating)	CFM	(1,691/1,691)
	Refrigerant Control	Linear Expansion Valve	
	Defrost Method	Reverse Cycle	
	SPL (Cooling)	dB (A)	54
	SPL (Heating)	dB (A)	55
	External Finish Color	Munsell No.3Y 7.8/1.1	
	Dimension	W: in	33-1/16
		D: in	13
H: in		34-5/8	
Weight	lbs	129	
Remote Controller	Type	Wireless Remote Controller	
Refrigerant	Type	R410A	
	Charge	lbs, oz	3,9
	Oil	Type(Fl.oz.)	FV50S(22.0)
Refrigerant Pipe	Gas side O.D.	in	3/8
	Liquid side O.D.	in	1/4
	Height Difference (Max)	ft	40
	Length (Max.)	ft	65
Connection Method	Indoor/Outdoor	Flared/Flared	
Operation Guarantee	Cooling	°F	14 - 115
	Heating	°F	-13 - 75

Power supply	Voltage, Phase, Cycle	1-phase, 60Hz, 208/230V
Voltage	Indoor - Outdoor S1-S2	AC 208/230V
	Indoor - Outdoor S2-S3	DC12-24V
	Indoor - Remote controller	DC12V

		MAX (Btu)	MAX RATED INPUT (W)	RATED (Btu)	RATED TOTAL INPUT (W)	COP
Heating	47°F	14,840	1,127	12,720	861	3.86
	17°F	11,270	891	780	680	3.71
	5°F	11,270	891	7,860	680	3.39
	-4°F	8,058	529	3,087	404	2.24
	-13°F	4,846	352	765	269	0.83
Cooling	80°F	10,606	671	10,606	671	4.63

* COP at MAX capacity

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor : D.B. 35°C (95°F), W.B. 23.9°C (75°F)
(heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor : D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor : D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

Operating range		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 35°C (95°F), W.B. 21.7°C (71°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19.4°C (67°F), W.B. 13.9°C (57°F)		D.B. -10°C (14°F)	
Heating	Maximum	D.B. 26.7°C (80°F), W.B. 19.4°C (67°F)		D.B. 24°C (75°F), W.B. 18°C (65°F)	
	Minimum	D.B. 21.1°C (70°F), W.B. 15.6°C (60°F)		D.B. -25°C (-13°F), W.B. -26°C (-14°F)	

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