

MLZ-KP12NA(2)-U1 & SUZ-KA12NAHZ

12,000 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	19.0
	EER	12.7
	HSPF	10.2

Accessories:

- Grille (MLP-444WU - Ordered separate)
- Auxilliary 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)	212-258-297-332
		WET(CFM)	180-219-252-282
		Heating (CFM)	212-272-311-350
	External Static Pressure	in WG	0
	Sound Pressure Level (Lo-Mid-Hi)	Cooling dB (A)	27-32-36-40
		Heating dB (A)	26-32-36-40
	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	3.1
	Sensible Heat Factor		0.71

*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	60
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	19,080	1,670	15,900	1,158	3.35
	17°F	14,490	1,320	9,825	915	3.22
	5°F	14,490	1,027	6,450	712	2.65
	-4°F	10,360	784	3,859	544	2.08
	-13°F	6,231	521	956	361	0.78
Cooling	80°F	14,141	876	14,141	876	4.73

* 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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