MODEL: MHK2 kumo touch™

Job Name:

System Reference:

MRCH2



MRCH2 REMOTE CONTROLLER SPECIFICATIONS

- Touch panel, Backlit, easy-to-read display
- Used RedLINK[™] 3.0 wireless technology
 - Not compatible with MHK1, MOS1, and MCCH1 RedLINK 2.0 wireless technology environment.
- User functions allow user to set:
 - On/Off
 - Operation modes cool, heat, drying, fan
 - Set temperature (separate dual set points for heat and cool)
 - Fan speed setting
 - Airflow direction
- Set temperature range limits (dependent on the system connected):
 - Cooling from 50° to 99° F
 - Heating from 40° to 90° F
 - Auto from 50° to 90° F with dual temperature setting
- MHK2 Scheduling options:
 - No Schedule
 - MO-SU = Every day the same
 - MO-FR, SA, SU = 5-1-1 schedule
 - MO-FR, SA-SU = 5-2 schedule
 - Each Day = Every day individual
 - Allow kumo cloud to be schedule holder
- Hold function
- Temporary or Permanent schedule override
- Lockout:
 - On
 - Off
 - Mode
 - Fan Speed
 - Set point
 - Vane Direction
- Day/Time display with a 12 or 24-hour clock
- Supports both Fahrenheit and Celsius
- RedLINK[™] Wireless Connection Status
- Filter sign display
- Diagnostics: Displays and records error codes
- Adjustable auto mode deadband



- · Space humidity offset adjustment
- · Hide (on screen only)
 - Indoor temperatureIndoor humidity
- Temperature Sensing Source
 - MHK2
 - Indoor Unit
 - RedLINK Wireless Indoor Air Sensor (IAS)
 - Average of MHK2 and RedLINK Wireless Indoor Air Sensor (IAS)

MIFH2

MRC2

- Indoor Humidity Source
 - MHK2
 - RedLINK Wireless Indoor Air Sensor (IAS)
- Average of MHK2 and RedLINK Wireless Indoor Air Sensor (IAS)
- Improved indoor unit function code list
 - Indoor unit type
 - Expanded to 28 indoor unit codes
- · Reset to factory default
- Uses two "AA" alkaline batteries (included)
- Dimensions: 4-5/64" x 4-5/64" x 1-1/16" (104 x 104 x 27 mm)
- Operating Ambient Temperature: 32° to 120° F (0° to 48.9° C)
- Operating Relative Humidity: 5% to 90%

MIFH2 WIRELESS RECEIVER SPECIFICATIONS:

- Included in MHK2 Kit
- Mounts next to or near indoor units to allow MRCH2 Remote Controller operation
- · Connects to indoor unit control board with MRC2 Cable
- Dimensions: 3-3/32" H x 1-3/4" W x 39/64" D (74.8 x 44.4 x 15.4 mm)
- Operating Ambient Temperature: -40° to 165° F (-40° to 73.9° C)
- Operating Relative Humidity: 5% to 95%

MRC2 CABLE

- Included in MHK2 Kit in the MIFH2 box
- Connects MIFH2 Wireless Receiver to the CN105 connector on indoor unit control board
- Length: 39-23/64" (1 m)





MODEL: MHK2 kumo touch™



kumo cloud & MHK2

- kumo cloud and MHK2 can work together on the same indoor unit with the following devices:
 - Wireless Interface 2
 - PAC-USWHS002-WF-2
 - Wireless Interface 2 has an additional CN105 connector on it
 - MHK2 kit
- · Compatibility with indoor units:
 - All CITY MULTI®
 - All P-Series
 - All M-series

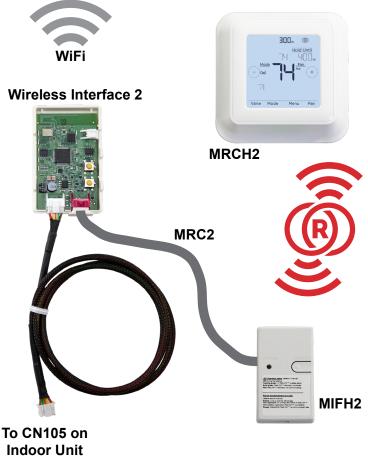
Accessories

Wireless Interface 2 (PAC-USWHS002-WF-2)

CN105 IT Extender (PAC-WHS01E-E)

RedLINK 3.0 Wireless Indoor Air Sensor

- Not sold by Mitsubishi Electric Trane HVAC LLC
- Honeywell (C7189R2002-2/U)



Specifications are subject to change without notice. 1340 Satellite Boulevard. Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com © 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved. M_Submittal_MHK2 kumo touch 03-2020

Indoor Unit control board

MXZ-4C36NA3 3-TON MULTI-ZONE INVERTER HEAT-PUMP SYSTEM



Job Name:

System Reference:

Date:



FEATURES

- Variable speed INVERTER-driven compressor
- Optional base pan heater
- Quiet outdoor unit operation as low as 54 dB(A)
- High pressure protection
- Compressor thermal protection
- Compressor overcurrent detection
- Fan motor overheating/voltage protection

SPECIFICATIONS: MXZ-4C36NA3

	BTU/H BTU/H W % BTU/H BTU/H BTU/H BTU/H BTU/H BTU/H W W W W W W BTU/H BTU/H BTU/H W W W W W W VOHTAGE, Phase, Frequency V AC V AC V DC A AWG A	35,400 // 34,900 // 34,400 11,700 // 11,500 // 11,300 3,960 // 3,960 // 3,960 3,760 // 3,850 // 3,940 99.0,99.0 // 99.0, 99.0 // 99.0, 99.0 43,000 // 43,000 // 43,000 36,000 // 35,200 // 34,400 18,300 // 18,800 // 19,300 4,020 // 4,020 // 4,020 3,020 // 3,060 // 3,100 98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8 26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 24,700 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14 23.1	
	W W % BTU/H BTU/H W % BTU/H BTU/H BTU/H BTU/H W W W W VUH W W W W W VOItage, Phase, Frequency V AC V AC V AC V DC kA AWG	3,960 // 3,960 // 3,960 3,760 // 3,850 // 3,940 99.0, 99.0 // 99.0, 99.0 // 99.0, 99.0 43,000 // 43,000 // 43,000 36,000 // 35,200 // 34,400 18,300 // 18,800 // 19,300 4,020 // 4,020 // 4,020 3,020 // 3,060 // 3,100 98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8 26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3,37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	W % BTU/H BTU/H BTU/H W % BTU/H W % BTU/H BTU/H W % BTU/H W W W VOItage, Phase, Frequency V AC V AC V AC V DC kA AWG	3,760 // 3,850 // 3,940 99.0, 99.0 // 99.0, 99.0 // 99.0, 99.0 43,000 // 43,000 // 43,000 36,000 // 35,200 // 34,400 18,300 // 18,800 // 19,300 4,020 // 4,020 // 4,020 3,020 // 3,060 // 3,100 98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8 26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 24,700 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	% 8 BTU/H 8 BTU/H 9 W 9 BTU/H 8 BTU/H 9 BTU/H 9 BTU/H 9 BTU/H 9 W 9 W 9 W 9 W 9 W 9 VUH 9 VOItage, Phase, Frequency 9 VAC 1 VAC 1 VAC 1 KA 1 AWG 1	99.0, 99.0 // 99.0, 99.0 // 99.0, 99.0 43,000 // 43,000 // 43,000 36,000 // 35,200 // 34,400 18,300 // 18,800 // 19,300 4,020 // 4,020 // 4,020 3,020 // 3,060 // 3,100 98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8 26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
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	BTU/H W W W W W BTU/H W W W BTU/H W W BTU/H W W BTU/H W W U P U P U P U P U P U P U P U P U P	36,000 // 35,200 // 34,400 18,300 // 18,800 // 19,300 4,020 // 4,020 // 4,020 3,020 // 3,060 // 3,100 98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8 26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	BTU/H W W W W W BTU/H W W BTU/H W W BTU/H W W BTU/H W W M M M M M M M M M M M M M M M M M	18,300 // 18,800 // 19,300 4,020 // 4,020 // 4,020 3,020 // 3,060 // 3,100 98.7, 98.7 // 88.98.8,98.8 // 98.8, 98.8 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19,2 // 17.6 // 16.0 9,41 // 9,07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	W W % BTU/H W W W W Outlage, Phase, Frequency Voltage, Phase, Frequency V AC A A	4,020 // 4,020 // 4,020 3,020 // 3,060 // 3,100 98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8 26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 22,400 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	W % BTU/H BTU/H W W BTU/H W Output W Voltage, Phase, Frequency V AC V AC V AC V AC V DC kA A	3,020 // 3,060 // 3,100 98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8 26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	% BTU/H BTU/H W W W BTU/H W U U U U U U U U U U U U U U U U U U	98.7, 98.7 // 98.8, 98.8 // 98.8, 98.8 26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	BTU/H BTU/H W W BTU/H W BTU/H W Voltage, Phase, Frequency V AC V AC V AC V DC kA A AWG	26,600 // 26,600 // 26,600 22,400 // 22,400 // 22,400 3,440 // 3,490 // 3,540 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
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	W W BTU/H W I I I I I I I I I I I I I I I I I I	3,440 // 3,490 // 3,540 2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	W BTU/H W 9 10 10 10 10 10 10 10 10 10 10 10 10 10	2,300 // 2,470 // 2,640 24,000 // 24,000 // 24,000 3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
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	W Voltage, Phase, Frequency V AC V AC V AC V DC kA A AWG	3,320 // 3,280 // 3,240 19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	Voltage, Phase, Frequency V AC V AC V AC V DC kA A AWG	19.2 // 17.6 // 16.0 9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	Frequency V AC V AC V DC kA A AWG	9.41 // 9.07 // 8.73 11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	Frequency V AC V AC V DC kA A AWG	11.0 // 10.4 // 9.8 3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
	Frequency V AC V AC V DC kA A AWG	3.5 // 3.37 // 3.25 2.27 // 2.24 // 2.2 2.12 // 2.14 // 2.17 No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
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	Frequency V AC V AC V DC kA A AWG	2.12 // 2.14 // 2.17 No // No // No 208/230, 1, 60 187-253 208/230 24 5 25 14	
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	Frequency V AC V AC V DC kA A AWG	208/230, 1, 60 187-253 208/230 24 5 25 14	
	Frequency V AC V AC V DC kA A AWG	187-253 208/230 24 5 25 14	
	V AC V AC V DC kA A AWG	208/230 24 5 25 14	
	V DC kA A AWG	24 5 25 14	
	kA A AWG	5 25 14	
	A AWG	25 14	
	AWG	14	
	А	23.1	
		20.1	
	Α	25	
	A	2.43	
	CFM	2,287 / 2,382	
		LEV	
		Reverse Cycle	
		Plate fin coil	
	dB(A)	54	
	dB(A)	56	
I	DC INVERTER-driven Twin Rotary		
Compressor Type Compressor Model			
	A	SNB220FQGMC 12	
	A	13.7	
	OZ.	FV50S // 23.7	
I		Optional	
	W: In. [mm]	37-13/32 [950]	
		13 [330]	
		31-11/32 [796]	
		40-15/16 [1,040]	
	D: In. [mm]	17-11/16 [450]	
		40-11/16 [1,033]	
		139 [63]	
		159 [72]	
nimum ^{*A})		115 / 14	
		10.4 / 14	
		65 / 5	
,		1.4 / 5	
		6.0, 13.0	
		98.0 [30.0]	
ional Piping Length		0.216 [20]	
m m	nperatures inimum) inperatures inimum inperatures inimum initiation in the second seco	dB(A) A A oz. D: In. [mm] D: In. [mm] H: In. [mm] W: In. [mm] D: In. [mm] H: In. [mm] D: In. [mm] D: In. [mm] H: In. [mm] D: In. [mm] D: In. [mm] H: In. [mm] D: In. [mm] P: In. [mm] I.bs.[kg] inbus inbus inbus PFDB inperatures °FDB inbus, oz Ft. [m] onal Piping Length	

 $^4\text{Heating}$ at 5°F (Indoor // Outdoor) $^\circ\text{F}$ $^\circ$ 70 DB, 60 WB // 5 DB, 4 WB

*Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions. *A 5°F DB - 115°F DB when optional wind baffles are installed

For actual capacity performance based on indoor unit type and number of indoor units connected, please refer to MXZ Operational Performance. Although the maximum connectable capacity is 130%, the outdoor unit cannot provide more than 100% of the rated capacity. Please utilize this over capacity capability for load shedding or applications where it is known that all connected units will NOT be operating at the same time.

Conditions

SPECIFICATIONS: MXZ-4C36NA3

	Maximum Nur	nber of Connected IDU	4		
Indoor unit connection	Minimum Num	ber of Connected IDU	2		
	Minimum conr	ected capacity		BTU/H	12,000
	Maximum con	nected capacity		BTU/H	42,000
	Liquid Pipe Siz	Liquid Pipe Size O.D. (Flared)			A,B,C,D: 1/4 [A,B,C,D: 6.35]
	Gas Pipe Size	Gas Pipe Size O.D. (Flared)			A: 1/2; B,C,D: 3/8 [A: 12.72; B,C,D: 9.52]
	Total Piping Le	ngth		Ft. [m]	230 [70]
Piping	Maximum Hei	Maximum Height Difference, ODU above IDU			49 [15]
	Maximum Hei	Maximum Height Difference, ODU below IDU			49 [15]
	Farthest Pipin	g Length from ODU to IDU		Ft. [m]	82 [25]
	Maximum Nur	nber of Bends for IDU	70		
NOTES: AHRI Rated Conditions (Rated data is determined at a fix	ked compressor speed)	¹ Cooling (Indoor // Outdoor) ² Heating at 47°F (Indoor // Outdoor) ³ Heating at 17°F (Indoor // Outdoor)	°F °F °F	80 DB, 67 WB // 95 DB, 75 WB 70 DB, 60 WB // 47 DB, 43 WB 70 DB, 60 WB // 17 DB, 15 WB	

Conditions

^AApplications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions. ^A 5°F DB - 115°F DB when optional wind baffles are installed

⁴Heating at 5°F (Indoor // Outdoor)

For actual capacity performance based on indoor unit type and number of indoor units connected, please refer to MXZ Operational Performance. Although the maximum connectable capacity is 130%, the outdoor unit cannot provide more than 100% of the rated capacity. Please utilize this over capacity capability for load shedding or applications where it is known that all connected units will NOT be operating at the same time.

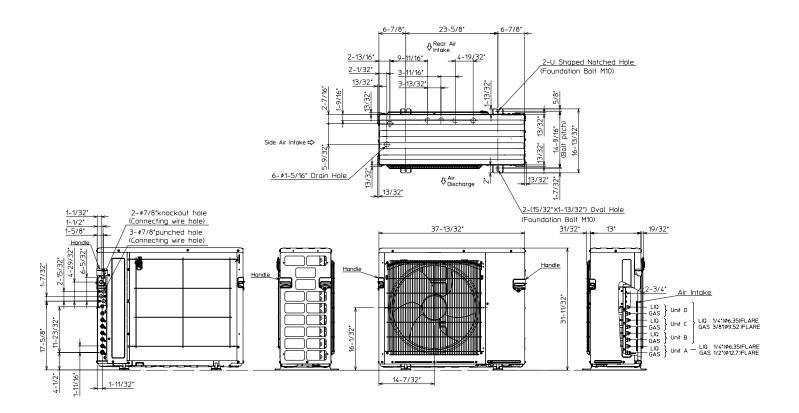
°F 70 DB, 60 WB // 5 DB, 4 WB

OUTDOOR UNIT ACCESSORIES: MXZ-4C36NA3

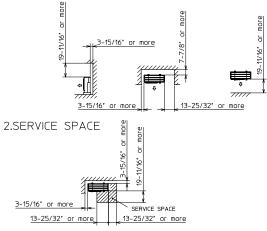
	Refrigeration Ball Valve - 1/2"	BV12FFSI2
Ball Valve	Refrigeration Ball Valve - 1/4"	BV14FFSI2
	Refrigeration Ball Valve - 3/8"	BV38FFSI2
	Refrigeration Ball Valve - 5/8"	BV58FFSI2
Control Wire	M-Net Control Wire, 1,000' Roll (16-AWG, Standard, Twisted Pair, Shielded, Jacketed- Plenum rated)	CW162S-1000
Control whe	M-Net Control Wire, 250' Roll (16-AWG, Standard, Twisted Pair, Shielded, Jacketed- Plenum rated)	CW162S-250
Drain Socket	Drain Socket	PAC-SG60DS-E
Hail Guards	Hail Guard	HG-A9
M-NET Converter	M-NET Converter	PAC-IF01MNT-E
	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	S144-250
	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	SW144-250
	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	S144-50
	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	SW144-50
Mini-Split Wire	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	S164-250
	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	SW164-250
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	S164-50
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	SW164-50
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
Mounting Fau	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Optional Defrost Heater	Optional Defrost Heater	PAC-645BH-E
	Adaptor: 1/2" x 3/8"	MAC-A455JP-E
Bort Adoptor	Adaptor: 1/2" x 5/8"	MAC-A456JP-E
Port Adapter	Adaptor: 3/8" x 1/2"	MAC-A454JP-E
	Adaptor: 3/8" x 5/8"	PAC-SG76RJ-E
	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
Stand	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

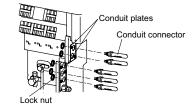
OUTDOOR UNIT DIMENSIONS: MXZ-4C36NA3

Unit: inch (mm)



1.FREE SPACE





1340 Satellite Boulevard Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com



FORM# MXZ-4C36NA3 - 202206

M-SERIES



Job Name:

System Reference:

Date:



GENERAL FEATURES

- · Ceiling-recessed cassette (24"x24") ductless heat pump
- · Install SLZ in a drywalled ceiling (with an access panel for servicing) or in a 2'x2' drop ceiling
- · Wide airflow pattern for excellent air distribution
- · Fresh air intake provided in the main body
- Built-in drain condensate lift mechanism (lifts to 33")
- · Multiple control options available:
 - kumo cloud[®] smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers
- · Long-life air filter included
- · Individual vane control

SPECIFICATIONS: SLZ-KF09NA

Cooling Capacity ^{1, 3}		Btu/h	9,000
Heating Capacity ^{2, 3}		Btu/h	11,000
	Voltage, Phase, Frequency		208/230V, 1 phase, 60Hz
Electrical	Guaranteed Voltage Range	V AC	187-253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Voltage: Indoor - Remote controller	V DC	12
MCA		A	0.25
Fan Motor Full Load	Amperage	A	0.20
Fan Motor Output		W	50
Airflow Rate at Cooli	ing, Dry	CFM	300-265-230
Airflow Rate at Cooli	ing, Wet	CFM	270-239-207
Airflow Rate at Heat	ing, Dry	CFM	335-265-230
Sound Pressure Lev	rel (Cooling) ¹	dB(A)	31-28-25
Sound Pressure Lev	rel (Heating) ²	dB(A)	31-28-25
External Static Pressure		in.WG	N/A
Drain Pipe Size		In. (mm)	1 1/4 (32)
Condensate Lift Mechanism, Maximum Distance		In. (mm)	33 (850)
Heat Exchanger Typ	e		Plate fin coil
External Finish Color			Munsell 1.0Y 9.2/0.2
		W: In. (mm)	22-7/16 (570)
Jnit Dimensions		D: In. (mm)	22-7/16 (570)
		H: In. (mm)	9-21/32 (245)
		W: In. (mm)	24-13/32 (620)
Package Unit Dimen	isions	D: In. (mm)	27-15/16 (710)
		H: In. (mm)	9-7/16 (240)
Unit Weight		Lbs. (kg)	31 (13.9)
Package Unit Weigh	t	Lbs. (kg)	37 (17)
Pofrigorant	Туре		R410A
Refrigerant	Charge	Lbs, oz	2, 5
Diping	Gas Pipe Size O.D. (Flared)	In.(mm)	3/8 (9.52)
Piping	Liquid Pipe Size O.D. (Flared)	In.(mm)	1/4 (6.35)

Notes:

Nominal Conditions	¹ Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB	
Nominal Conditions	² Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB	
³ Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.				

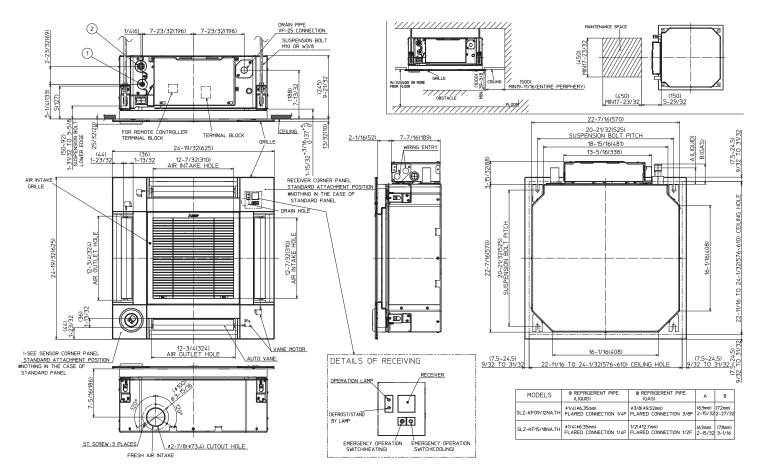
ACCESSORIES: SLZ-KF09NA

Wireless Signal Receiver	□ PAR-FA32MA-W
Wireless Signal Receiver	□ PAR-FA32MA-E
Wireless Remote Receiver Panel	□ PAR-SF9FA-E
Wireless Remote Controller	□ PAR-SL100A-E
Backlit, Wall-mounted, Wireless Controller	
Portable Central Controller	
Wired MA Controller	
Simple MA Controller	DAD CTOMMALL CD
Touch MA Controller	PAR-CT01MAU-SB
Wired Remote Sensor	DAC-SE41TS-E
Wireless Temperature and Humidity Sensor	PAC-USWHS003-TH-1
Outside Air Sensor for MHK1	
Flush Mount Remote Temperature Sensor	□ PAC-USSEN001-FM-1
System Control Interface	D MAC-333IF-E
Wireless Interface	PAC-USWHS002-WF-1
Thermostat Interface	D PAC-US444CN-1
kumo station®	□ PAC-WHS01HC-E
USNAP Interface	□ PAC-WHS01UP-E
IT Extender	□ PAC-WHS01IE-E
BACnet [®] and MODBUS [®] Interface	□ PAC-UKPRC001-CN-1
External Fan / Heater Control Relay Adapter	CN24RELAY-KIT-CM3
Wire for Remote on/off with CN32 connector	D PAC-715AD
Connector and wire for Operation status/error using CN51	D PAC-725AD
Connector cable for remote display	D PAC-SA88HA-EP
Connector for CN32 (remote on/off)	□ PAC-SE55RA-E
Remote Operation Adapter ¹	□ PAC-SF40RM-E
Grille (required)	SLP-18FAU
3D i-see Sensor™ Corner Panel	□ PAC-SF1ME-E
Grille with 3D i-see Sensor™	□ SLP-18FAEU
Blue Diamond Sensor Extension Cable — 15 Ft.	□ C13-103
Blue Diamond Alarm Extension Cable — 6.5 Ft.	□ C13-192
Blue Diamond MultiTank — collection tank for use with multiple pumps	□ C21-014
Blue Diamond Rubber Foot Pads	□ F10-010
Mini Condensate Pump — 230 volt application	□ SI30-230
MegaBlue Advanced Blue Diamond Condensate Pump w/ Reservoir & Sensor	□ X87-835 - 110 to 250V
Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	□ X87-721 - 208/230V
Drain Pan Level Sensor	DPLS2
(30A/600V/UL) [fits 2" X 4" utility box] - Black	□ TAZ-MS303
(30A/600V/UL) [fits 2" X 4" utility box] - White	□ TAZ-MS303W
Unable to use with wireless remote controller	I

¹ Unable to use with wireless remote controller

DIMENSIONS: SLZ-KF09NA

Unit: inch (mm)





1340 Satellite Boulevard, Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com



FORM# SLZ-KF09NA FOR MULTI-ZONE HEAT PUMP SYSTEMS - 201901

M-SERIES



Job Name:

System Reference:

Date:



GENERAL FEATURES

- · Ceiling-recessed cassette (24"x24") ductless heat pump
- · Install SLZ in a drywalled ceiling (with an access panel for servicing) or in a 2'x2' drop ceiling
- · Wide airflow pattern for excellent air distribution
- · Fresh air intake provided in the main body
- Built-in drain condensate lift mechanism (lifts to 33")
- · Multiple control options available:
 - kumo cloud[®] smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers
- · Long-life air filter included
- · Individual vane control

SPECIFICATIONS: SLZ-KF12NA

Cooling Capacity ^{1,}	3	Btu/h	12,000
Heating Capacity ^{2,}	3	Btu/h	13,000
	Voltage, Phase, Frequency		208/230V, 1 phase, 60Hz
Electrical	Guaranteed Voltage Range	V AC	187-253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Voltage: Indoor - Remote controller	V DC	12
MCA		A	0.30
Fan Motor Full Loa	d Amperage	A	0.24
an Motor Output		W	50
Airflow Rate at Coo	ling, Dry	CFM	335-265-230
Airflow Rate at Coo	ling, Wet	CFM	302-252-207
Airflow Rate at Hea	ating, Dry	CFM	335-265-230
Sound Pressure Le	evel (Cooling) ¹	dB(A)	34-30-25
Sound Pressure Le	evel (Heating) ²	dB(A)	34-30-25
External Static Pres	ssure	in.WG	N/A
Drain Pipe Size		In. (mm)	1 1/4 (32)
Condensate Lift Mechanism, Maximum Distance		In. (mm)	33 (850)
Heat Exchanger Type			Plate fin coil
External Finish Col	or		Munsell 1.0Y 9.2/0.2
		W: In. (mm)	22-7/16 (570)
Unit Dimensions		D: In. (mm)	22-7/16 (570)
		H: In. (mm)	9-21/32 (245)
		W: In. (mm)	24-13/32 (620)
Package Unit Dime	ensions	D: In. (mm)	27-15/16 (710)
		H: In. (mm)	9-7/16 (240)
Unit Weight		Lbs. (kg)	31 (13.9)
Package Unit Weig	ht	Lbs. (kg)	37 (17)
Defrigerent	Туре	· · · · · · · · · · · · · · · · · · ·	R410A
Refrigerant	Charge	Lbs, oz	2, 9
Dining	Gas Pipe Size O.D. (Flared)	In.(mm)	3/8 (9.52)
Piping	Liquid Pipe Size O.D. (Flared)	In.(mm)	1/4 (6.35)

Notes:

Nominal Conditions	¹ Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
Nominal Conditions	² Heating at 47°F (Indoor // Outdoor)		70 DB, 60 WB // 47 DB, 43 WB
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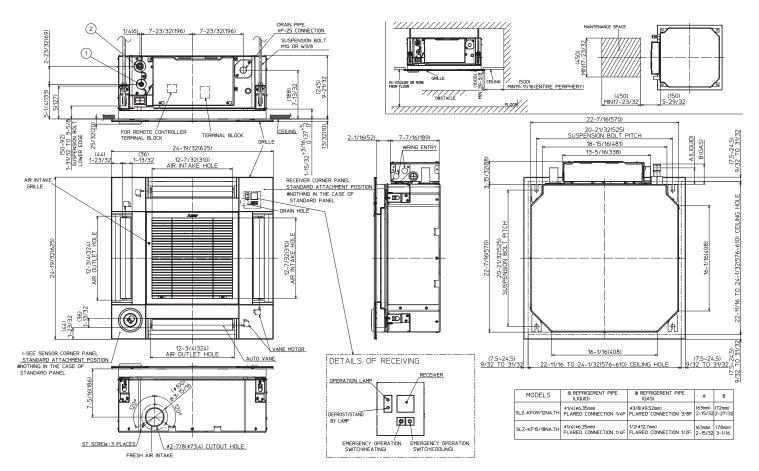
ACCESSORIES: SLZ-KF12NA

Wireless Signal Receiver	□ PAR-FA32MA-W
Wireless Signal Receiver	□ PAR-FA32MA-E
Wireless Remote Receiver Panel	□ PAR-SF9FA-E
Wireless Remote Controller	□ PAR-SL100A-E
Backlit, Wall-mounted, Wireless Controller	DHK1
Portable Central Controller	
Wired MA Controller	□ PAR-33MAA
Simple MA Controller	□ PAC-YT53CRAU
Touch MA Controller	□ PAR-CT01MAU-SB
Wired Remote Sensor	□ PAC-SE41TS-E
Wireless Temperature and Humidity Sensor	□ PAC-USWHS003-TH-1
Outside Air Sensor for MHK1	□ MOS1
Flush Mount Remote Temperature Sensor	□ PAC-USSEN001-FM-1
System Control Interface	□ MAC-333IF-E
Wireless Interface	□ PAC-USWHS002-WF-1
Thermostat Interface	□ PAC-US444CN-1
kumo station [®]	□ PAC-WHS01HC-E
USNAP Interface	□ PAC-WHS01UP-E
IT Extender	□ PAC-WHS01IE-E
BACnet [®] and MODBUS [®] Interface	□ PAC-UKPRC001-CN-1
External Fan / Heater Control Relay Adapter	CN24RELAY-KIT-CM3
Wire for Remote on/off with CN32 connector	□ PAC-715AD
Connector and wire for Operation status/error using CN51	□ PAC-725AD
Connector cable for remote display	□ PAC-SA88HA-EP
Connector for CN32 (remote on/off)	□ PAC-SE55RA-E
Remote Operation Adapter ¹	□ PAC-SF40RM-E
Grille (required)	□ SLP-18FAU
3D i-see Sensor™ Corner Panel	□ PAC-SF1ME-E
Grille with 3D i-see Sensor™	SLP-18FAEU
Blue Diamond Sensor Extension Cable — 15 Ft.	□ C13-103
Blue Diamond Alarm Extension Cable — 6.5 Ft.	□ C13-192
Blue Diamond MultiTank — collection tank for use with multiple pumps	□ C21-014
Blue Diamond Rubber Foot Pads	□ F10-010
Mini Condensate Pump — 230 volt application	□ SI30-230
MegaBlue Advanced Blue Diamond Condensate Pump w/ Reservoir & Sensor	□ X87-835 - 110 to 250V
Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	□ X87-721 - 208/230V
Drain Pan Level Sensor	DPLS2
(30A/600V/UL) [fits 2" X 4" utility box] - Black	□ TAZ-MS303
(30A/600V/UL) [fits 2" X 4" utility box] - White	□ TAZ-MS303W
Unable to use with wireless remote controller	1

¹ Unable to use with wireless remote controller

DIMENSIONS: SLZ-KF12NA

Unit: inch (mm)





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FORM# SLZ-KF12NA FOR MXZ-C MULTI-ZONE HEAT-PUMP SYSTEMS - 201901