

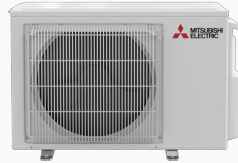
MFZ-KX12NL & SUZ-AA12NL
12,000 BTU/H FLOOR-MOUNTED INDOOR UNIT
12,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... MFZ-KX12NL
OUTDOOR Unit ... SUZ-AA12NL

INDOOR UNIT FEATURES

- Auto Vane Control: Auto Vane Control allows the indoor unit vanes to be moved left, right, up, and down to provide even temperatures throughout a space.
- Rapid Heat Technology: Rapid Heat Technology intuitively increases the room temperature to the desired temperature quickly.
- Wi-Fi Enabled: Wi-Fi enabled units pair with the Comfort app for complete control over temperature, fan speeds, modes, schedules, and more.
- Multi Flow Vane Control: Multi-flow Vane Control intelligently directs air throughout a space for even temperature distribution.
- Powerful Mode: Powerful Mode adjusts fan speed to quickly bring your room to your desired comfort.
- Five Speed Fan: Adjust the fan between five speed settings to optimal comfort.

OUTDOOR UNIT FEATURES

- Inverter Driven Compressor: Inverter technology uses only the precise amount of energy needed to keep a space comfortable.
- Blue Fin Coating: Anti-corrosion coating that protects the outdoor heat exchanger against salt, sulfur, and other airborne contaminants that impact the efficiency and performance of the outdoor units.
- Seacoast Protection: Designed to protect against the corrosive effects of environments that are in close proximity to the sea.

SPECIFICATIONS: MFZ-KX12NL & SUZ-AA12NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	12000
	Rated Capacity	Btu/h	12000
	Minimum Capacity	Btu/h	2500
	Maximum Power Input	W	950
	Rated Power Input	W	950
	Moisture Removal	Pints/h	1.90
	Sensible Heat Factor		0.82
	Power Factor [208V / 230V]	%	96 / 96
Heating at 47F ²	Maximum Capacity	Btu/h	15000
	Rated Capacity	Btu/h	15000
	Minimum Capacity	Btu/h	4700
	Maximum Power Input	W	1240
	Rated Power Input	W	1240
	Power Factor [208V / 230V]	%	97 / 97
Heating at 17F ³	Maximum Capacity	Btu/h	9700
	Rated Capacity	Btu/h	9700
	Maximum Power Input	W	1020
	Rated Power Input	W	1020
Heating at 5F ⁵	Maximum Capacity	Btu/h	7800
	Maximum Power Input	W	1143
Heating at -4F ⁶	Maximum Capacity	Btu/h	6600
Efficiency	SEER2		19.60
	EER2 ¹		12.60
	HSPF2 [IV]		8.70
	COP at 47°F ²		3.50
	COP at 17°F at Maximum Capacity ³		2.70
	COP at 5°F at Maximum Capacity ⁵		2.00
	COP at -4°F at Maximum Capacity ⁶		2.19
	ENERGY STAR® Certified		Yes
Electrical	Voltage, Phase, Frequency	V AC / V AC , Ø , Hz	208 / 230 , 1 , 60
	Guaranteed Voltage Range	V AC	198 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	12-24
	Short-circuit Current Rating [SCCR]	kA	5
	Recommended Fuse/Breaker Size (Outdoor)	A	15
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	MCA	A	1
	Fan Motor Output	W	30
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	138 , 198 , 272 , 360 , 417
	Airflow Rate at Cooling, Wet	CFM	117 , 168 , 231 , 306 , 354
	Airflow Rate at Heating, Dry	CFM	138 , 191 , 254 , 328 , 417
	Sound Pressure Level [Cooling]	dB (A)	21 , 27 , 34 , 41 , 46
	Sound Pressure Level [Heating]	dB (A)	21 , 27 , 34 , 40 , 46
	Dual Barrier Coating on Heat Exchanger		No
	Dual Barrier Coating on Fan		No
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	29-1/2 x 8-7/16 x 23-5/8 [750 x 215 x 600]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	32-11/16 x 11-3/16 x 27-9/16 [830 x 300 x 700]
	Unit Weight	lbs [kg]	33 [15]
	Package Weight	lbs [kg]	40 [18]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	deg F , deg F / deg F , deg F	90 , 73 / 66 , 59
	Heating Intake Air Temp [Maximum / Minimum]	deg F	83 / 50
Outdoor Unit	MCA	A	14
	MOCP	A	23
	Fan Motor Output	W	55

Notes

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB - test

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

⁵Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]): • Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures): • System cuts out in heating mode and automatically restarts at these temperatures.

⁶Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 WB

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Outdoor Unit	Airflow Rate Cooling	CFM	1229
	Airflow Rate Heating	CFM	1172
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	49
	Sound Pressure Level, Heating ²	dB (A)	51
	Compressor Type		Twin Rotary
	Compressor Model		SRB092FQFMC
	Compressor Oil [Type // Charge]	// oz	RM68EH // 11.80
	External Finish Color		Munsell No.3Y 7.8/1.1
	Base Pan Heater		Optional
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	31-1/2 x 11-1/4 x 21-5/8 [800 x 285 x 550]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	37-1/16 x 15 x 24-13/16 [940 x 380 x 630]
ODU Operating Temp. Range	Unit Weight	lbs [kg]	81 [37]
	Package Weight	lbs [kg]	88.18 [40]
	Cooling Intake Air Temp [Maximum / Minimum*]	F	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures**	F	-1 / 3
	Heating Intake Air Temp [Maximum / Minimum]	F , F / F , F	75 , 65 / -4 , -5
Refrigerant	Heating Thermal Lock-out / Re-start Temperatures**	F	-14 / -4
	Type		R454B
	Pre-Charged Refrigerant Amount	lbs	2
	Maximum Pre-Charged Piping Length	ft [m]	65 [7.60]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0
Piping	Gas Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Maximum Piping Length	ft [m]	65 [19.80]
	Maximum Height Difference	ft [m]	40 [12.10]
	Maximum Number of Bends		10

Notes

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB - test

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

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⁵Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

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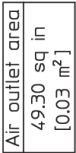
INDOOR UNIT ACCESSORIES: MFZ-KX12NL

Condensate	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐ X88-721
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐ SI30-230
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐ X87-835
	Blue Diamond MicroBlue Condensate Pump 115-230V up to 18k BTU/h	☐ X86-003
	Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended]	☐ X87-711
	Blue Diamond Sensor Extension Cable 15 Ft	☐ C13-103
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐ COMBI
Control Interface	Wireless Interface 2 for Comfrot app	☐ PAC-USWHS002-WF-2
	M-Net I/O Control Interface for M-Series ²	☐ MAC-334IF-E
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	kumo station® for Comfort app	☐ PAC-WHS01HC-E
	IT Extender	☐ PAC-WHS01IE-E
	Airzone Wireless Lite Controller Black	☐ AZZBSLITERN
	Airzone Wired Blueface Controller White	☐ AZZBSBLUEZEROCB
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	☐ TAZ-MS303W
Drain Hose	Flexible Mini-Split Drain Hose	☐ DRX-16
Filter	Anti-allergy Enzyme Filter	☐ MAC-408FT-E
Floor Mount Air Guide	Floor Mount Air Guide	☐ MAC-760FD-E
Lineset	50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-50
	30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-30
	15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-15
	65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-65
N/A		☐ Unknown
Remote Sensor	Remote Temperature Sensor for MFZ MLZ and MSZ models	☐ M21EAA307
	Wireless temperature and humidity sensor for Comfort app	☐ PAC-USWHS003-TH-1
Terminal Signal Adapter	Backup Heat Relay Kit	☐ CN24RELAY-KIT-CM3
Wired Remote Controller	Deluxe MA Wired Remote Controller ¹	☐ PAR-42MAAUB
	Touch MA Remote Controller ¹	☐ PAR-CT01MAU-SB
	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
	Simple MA Remote Controller ¹	☐ PAC-YT53CRAU-J
Wireless Remote Controller	Wireless RedLINK™ Remote Controller	☐ MHK2
	Lockdown Bracket for Wireless Handheld Remote Controllers	☐ RCMKP1CB
Notes		

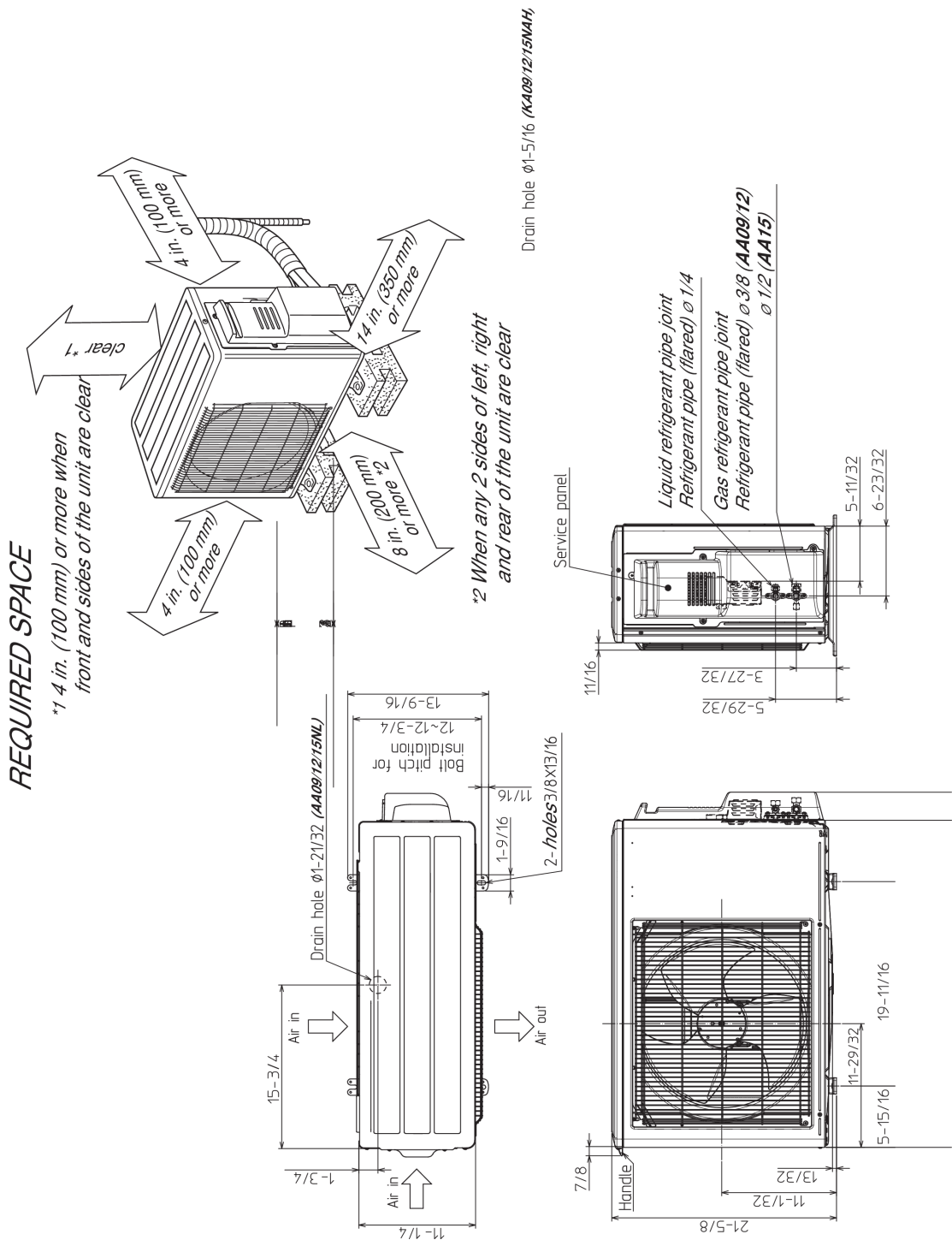
OUTDOOR UNIT ACCESSORIES: SUZ-AA12NL

Air Outlet Guide	Air Outlet Guide	☐	MAC-881SG-E
Centralized Drain Pan	Centralized Drain Pan	☐	PAC-SG63DP-E
Control/Service Tool	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
	Maintenance Tool Interface	☐	PAC-USCMS-MN-1
Drain Socket	Drain Socket	☐	MAC-871DS
Hail Guards	Hail Guard	☐	HG-B4
Mini-Split Wire	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	☐	ULTRILITE1
Muffler	Muffler	☐	MAC-001MF-E
Optional Defrost Heater	Base Heater	☐	MAC-650BH-U
Port Adaptor	Adaptor 1/2 x 3/8	☐	PAC-SK88RJ-E
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-1
Stand	24 Single Fan Stand	☐	QSMS2401M
	Condenser Wall Bracket	☐	QSWB2000M-1
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
	18 Single Fan Stand	☐	QSMS1801M
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
Notes			

MFZ-KX09NL-U1
MFZ-KX12NL-U1
MFZ-KX15NL-U1
MFZ-KX18NL-U1



OUTDOOR UNIT DIMENSIONS: SUZ-AA12NL



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