

MSZ-EX12NLW

12,000 BTU/H WALL-MOUNTED INDOOR UNIT



Job Name:

System Reference:

Date:



GENERAL FEATURES

- **Dual Barrier Coating:** The patented Dual Barrier Coating reduces the collection of contaminants like dust, fibers, smoke, and oil on the inner surface of the heat pump, resulting in optimal airflow and easier maintenance.
- **Econo Cool:** Econo Cool temporarily and automatically adjusts the airflow based on heat exchanger temperature. The set temperature is increased slightly, which saves energy, while maintaining comfort.
- **Modern, sleek design**
- **Multiple control options including:** Back-lit screen hand-held Remote Controller (provided with unit), comfort app, third-party interfaces and both wired and wireless controllers

Specifications			System
Unit Type			MSZ-EX12NLW
Cooling Capacity (Nominal) ^{1,3}	Cooling Capacity (Nominal)	Btu/h	12,000
Heating Capacity (Nominal) ^{2,3}	Heating Capacity (Nominal)	Btu/h	14,000
Electrical	Voltage, Phase, Frequency	V AC / V AC, ø, Hz	208 / 230, 1, 60
	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
	MCA	A	1
	MOCP	A	15
Indoor Unit	Fan Motor Type		DC Motor
	Fan Motor Output	W	30
	Airflow Rate at Cooling, Dry	CFM	143, 164, 228, 305, 391
	Airflow Rate at Cooling, Wet	CFM	128, 147, 205, 274, 352
	Airflow Rate at Heating, Dry	CFM	143, 164, 205, 244, 479
	Sound Pressure Level [Cooling]	dB (A)	21, 24, 29, 36, 42
	Sound Pressure Level [Heating]	dB (A)	21, 24, 30, 38, 46
	DBC on HEX (Yes or No)		Yes
	External Finish Color		1.0Y 9.2/0.2
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	34-13/16 x 7-11/16 x 11-3/4 [885 x 195 x 299]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	35-5/8 x 14-3/16 x 10-11/16 [980 x 360 x 270]
Refrigerant	Unit Weight	lbs [kg]	26 [11.50]
	Package Weight	lbs [kg]	29 [13]
Refrigerant		Type	R454B
Piping	Liquid Pipe Size O.D.	inch [mm]	1/4 [6.35]
	Gas Pipe Size O.D.	inch [mm]	3/8 [9.52]
Drain Pipe	Drain Pipe Size O.D.	inch [mm]	5/8 [16]
NOTES ¹ Cooling at 95°F (Indoor: 80°F DB, 67°F WB // Outdoor: 95°F DB, 75°F WB) ² Heating at 47°F (Indoor: 70°F DB, 60°F WB // Outdoor: 47°F DB, 43°F WB) ³ Nominal capacity only. Actual capacity output varies based on the system-specific configuration.			

INDOOR UNIT ACCESSORIES: MSZ-EX12NLW

Wired Remote Controller	Deluxe Wired MA Remote Controller	PAR-42MAAUB
	Simple Direct Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller ¹	PAC-YT53CRAU-J
	Touch MA Wired Remote Controller ¹	PAR-CT01MAU-SB
Control Interface	Airzone Wired Blueface Controller Black	AZZBSBLUEZEROCN
	Airzone Wired Blueface Controller White	AZZBSBLUEZEROCB
	Airzone Wireless Lite Controller Black	AZZBSLITERN
	Airzone Wireless Lite Controller White	AZZBSLITERB
	Airzone Wireless Think Controller Black	AZZBSTHINKRN
	Airzone Wireless Think Controller White	AZZBSTHINKRB
	IT Extender for kumo station	PAC-WHS01IE-E
	kumo station for the Comfort app	PAC-WHS01HC-E
	M-Net I/O Control Interface for M-Series ²	MAC-334IF-E
	Procon BACnet and Modbus Interface	PAC-UKPRC001-CN-1
	Thermostat Interface for 3rd Party Thermostats	PAC-US445CN-1
	Wireless Interface Adapter for the Comfort app	PAC-USWHS002-WF-2
Condensate	Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended	X87-721
	Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended	X87-711
	Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor	X87-835
	Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH	X86-003
	Blue Diamond Sensor Extension Cable 15 Ft	C13-103
	Drain Pan Level SensorControl	SS610E
	Refco Condensate Pump 100-240 VAC up to 120000 BTUH	COMBI
	Refco Condensate Pump 100-240 VAC	GOBI-II
	REFCO PUMP 100-240 VAC 506O HZ	X86-011
	Sauermann Condensate Pump	SI30-230
Power Supplies and Auxiliary Components	Backup Heat Relay Kit Adapter for CN24 or CN152 Connector	CN24RELAY-KIT-CM3
Remote Sensor	Remote Temperature Sensor for MFZ MLZ and MSZ models	M21EAA307
	Wireless temperature and humidity sensor for the Comfort app	PAC-USWHS003-TH-1
Wireless Remote Controller	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	RedLINK Wireless Remote Controller	MHK2
Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	TAZ-MS303
	30A600VUL fits 2 X 4 utility box - White	TAZ-MS303W
Filter	Electro Static Anti-allergy Enzyme Filter	MAC-2320FT-E
	Microparticle Filter	MAC-EMF515FT-E
Lineset	15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation	MLS143812T-15
	30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation	MLS143812T-30
	50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation	MLS143812T-50
	65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation	MLS143812T-65
Drain Hose	Flexible Mini-Split Drain Hose	DRX-16

NOTES

²Allows IDU Connection to MA Controller:

Deluxe MA Remote Controller

Simple MA Controller

Touch MA Controller

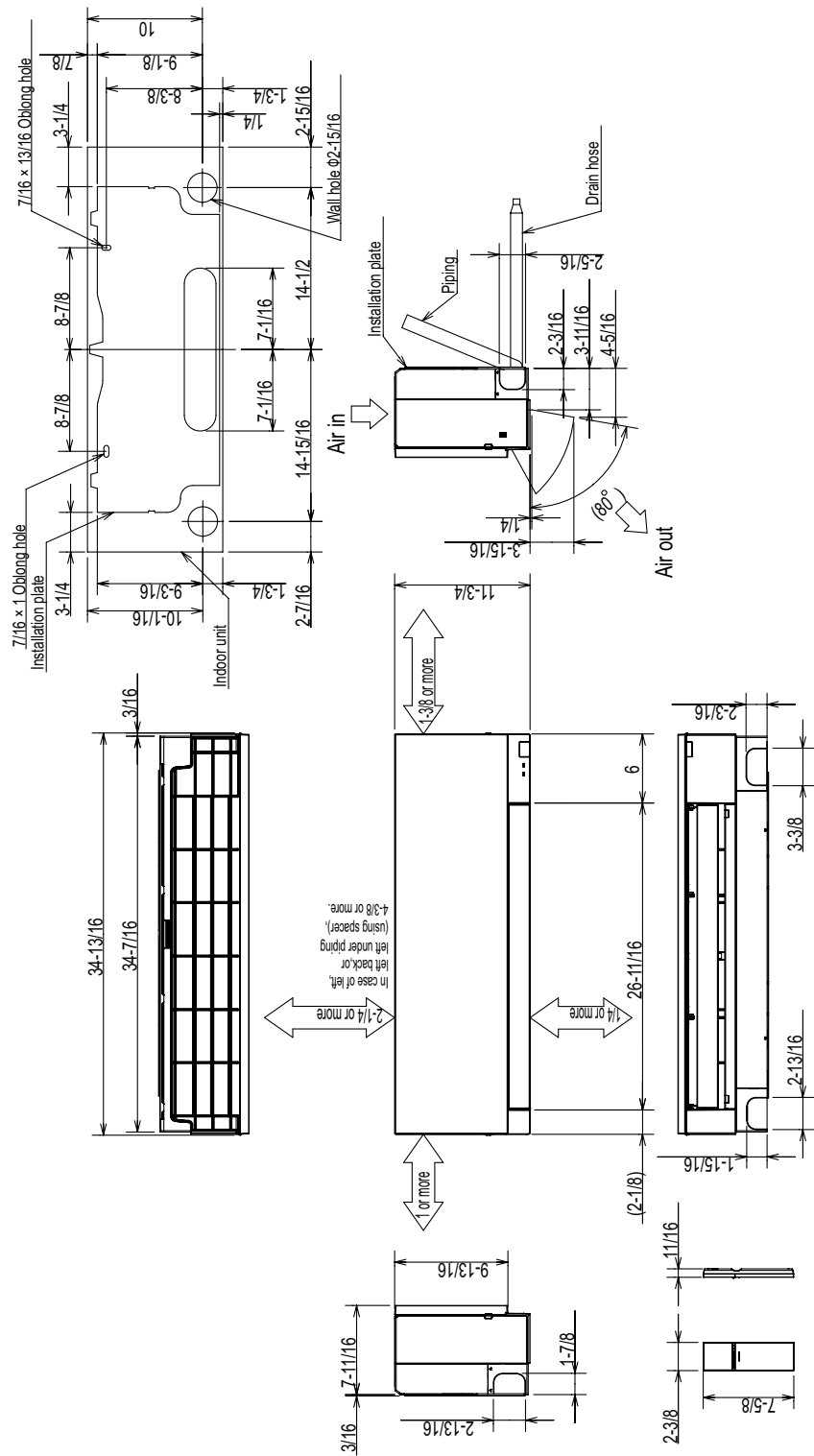
¹Requires MAC-334IF-E Interface to connect MA controller

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INDOOR UNIT DIMENSIONS: MSZ-EX12NLW



MSZ-EX15/18NL

Insulation	1-7/16 O.D
Liquid line	1/4 - 19-11/16 (Flared connection 1/4)
Gas line	3/8 - 16-15/16 (Flared connection 1/2)
Drain hose	Insulation 1-1/8 Connected part 5/8 O.D active length 15-3/8

Note: Extension pipe size refer to the specifications table.

MSZ-EX09/12NL

Insulation	1-7/16 O.D
Liquid line	1/4 - 19-11/16 (Flared connection 1/4)
Gas line	3/8 - 16-15/16 (Flared connection 3/8)
Drain hose	Insulation 1-1/8 Connected part 5/8 O.D active length 15-3/8

Note: Extension pipe size refer to the specifications table.

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