

MSZ-EX12NLS

12,000 BTU/H WALL-MOUNTED INDOOR UNIT



Job Name:

System Reference:

Date:



GENERAL FEATURES

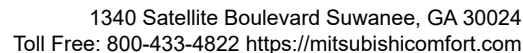
- **Dual Barrier Coating:** The patented Dual Barrier Coating reduces the collection of contaminants like dust, fibers, smoke, and oil on the inner surface of the heat pump, resulting in optimal airflow and easier maintenance.
- **Econo Cool:** Econo Cool temporarily and automatically adjusts the airflow 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-EX12NLS
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		3.1PB 8.2/0.2
	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]
Piping	Type		R454B
	Liquid Pipe Size O.D.	inch [mm]	1/4 [6.35]
Drain Pipe	Gas Pipe Size O.D.	inch [mm]	3/8 [9.52]
	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-EX12NLS

Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	TAZ-MS303
	30A600VUL fits 2 X 4 utility box - White	TAZ-MS303W
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
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
		PAC-USWHS003-TH-1
Remote Sensor	Remote Temperature Sensor for MFZ MLZ and MSZ models	M21EAA307
	Wireless temperature and humidity sensor for the Comfort app	
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
Power Supplies and Auxiliary Components	Backup Heat Relay Kit Adapter for CN24 or CN152 Connector	CN24RELAY-KIT-CM3
Wireless Remote Controller	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	RedLINK Wireless Remote Controller	MHK2
Filter	Electro Static Anti-allergy Enzyme Filter	MAC-2320FT-E
	Microparticle Filter	MAC-EMF515FT-E
Drain Hose	Flexible Mini-Split Drain Hose	DRX-16
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
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 ¹Requires MAC-334IF-E Interface to connect MA controller ¹Requires MAC-334IF-E Interface to connect MA controller ¹Requires MAC-334IF-E Interface to connect MA controller		

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MSZ-EX09/12NL

Insulation	φ1-7/16 O.D
Liquid line	φ1/4 - 19-11/16 (Flared connection φ1/4)
Gas line	φ3/8 - 16-5/16 (Flared connection φ1/2)
Drain hose	Insulation φ1-1/8 Connected part φ5/8 O.D. active length 15-3/8

Insulation	φ1-7/16 O.D
Liquid line	φ1/4 - 9-11/16 (Flared connection φ1/4)
Gas line	φ3/8 - 16-15/16 (Flared connection φ3/8)
Drain hose	Insulation φ1-1/8 Connected port φ5/8 O.D. (active length) 5-3/8

Note: Extension pipe size refer to the specifications table.

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