

# MSZ-EX18NLB

## 17,200 BTU/H WALL-MOUNTED INDOOR UNIT



Job Name:

System Reference:

Date:



### GENERAL FEATURES

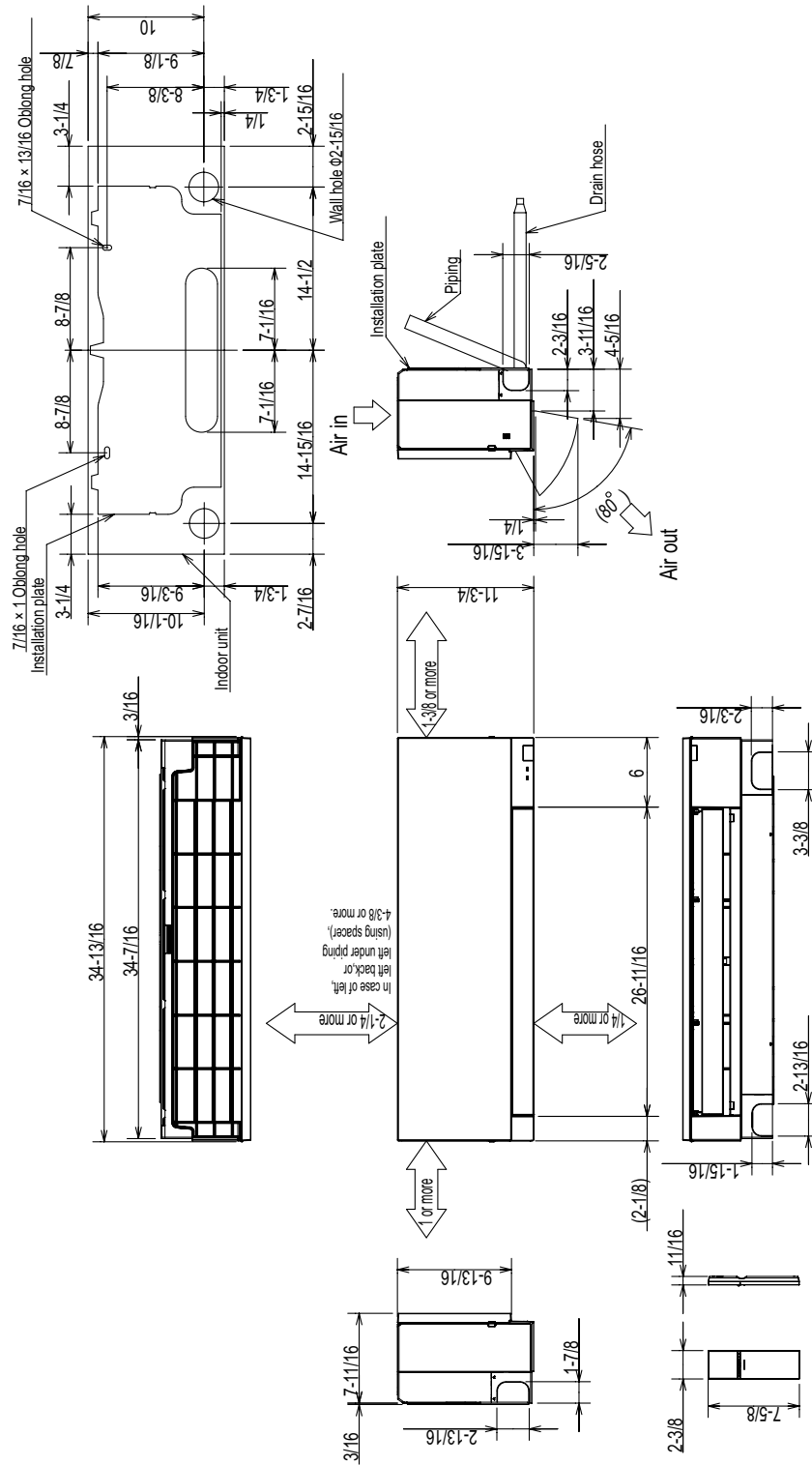
- Dual Barrier Coating: The patented Dual Barrier Coating reduces the collection of contaminants like dust, fibers, smoke, and oil on the inner surface of the heat pump, resulting in optimal airflow and easier maintenance.
- Econo Cool: Econo Cool temporarily and automatically adjusts the airflow based 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-EX18NLB                                   |
| Cooling Capacity (Nominal) <sup>1,3</sup>                                                                     | Cooling Capacity (Nominal)          | Btu/h                                | 17,200                                        |
| Heating Capacity (Nominal) <sup>2,3</sup>                                                                     | Heating Capacity (Nominal)          | Btu/h                                | 21,600                                        |
| 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                                            |
|                                                                                                               | Fan Motor Type                      |                                      | DC Motor                                      |
| Indoor Unit                                                                                                   | Fan Motor Output                    | W                                    | 30                                            |
|                                                                                                               | Airflow Rate at Cooling, Dry        | CFM                                  | 208, 248, 288, 343, 408                       |
|                                                                                                               | Airflow Rate at Cooling, Wet        | CFM                                  | 188, 223, 259, 309, 367                       |
|                                                                                                               | Airflow Rate at Heating, Dry        | CFM                                  | 232, 264, 313, 347, 497                       |
|                                                                                                               | Sound Pressure Level [Cooling]      | dB (A)                               | 30, 33, 36, 40, 43                            |
|                                                                                                               | Sound Pressure Level [Heating]      | dB (A)                               | 30, 33, 37, 43, 49                            |
|                                                                                                               | DBC on HEX (Yes or No)              |                                      | Yes                                           |
|                                                                                                               | External Finish Color               |                                      | 3.7PB 2.0/0.1                                 |
|                                                                                                               | Unit Dimensions (W x D x H)         | inch x inch x inch<br>[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<br>[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]                            | 1/2 [12.7]                                    |
|                                                                                                               | Drain Pipe Size O.D.                | inch [mm]                            | 5/8 [16]                                      |
| NOTES                                                                                                         |                                     |                                      |                                               |
| <sup>1</sup> Cooling at 95°F (Indoor: 80°F DB, 67°F WB // Outdoor: 95°F DB, 75°F WB)                          |                                     |                                      |                                               |
| <sup>2</sup> Heating at 47°F (Indoor: 70°F DB, 60°F WB // Outdoor: 47°F DB, 43°F WB)                          |                                     |                                      |                                               |
| <sup>3</sup> Nominal capacity only. Actual capacity output varies based on the system-specific configuration. |                                     |                                      |                                               |

## INDOOR UNIT ACCESSORIES: MSZ-EX18NLB

|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------|
| Wired Remote Controller                                                                                                                                                                                                                                                                                                                                                                                                                            | Deluxe Wired MA Remote Controller                                                                        | PAR-42MAAUB       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Simple Direct Wired Remote Controller                                                                    | PAC-SDW01RC-1     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Simple MA Remote Controller <sup>1</sup>                                                                 | PAC-YT53CRAU-J    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Touch MA Wired Remote Controller <sup>1</sup>                                                            | PAR-CT01MAU-SB    |
| Filter                                                                                                                                                                                                                                                                                                                                                                                                                                             | Electro Static Anti-allergy Enzyme Filter                                                                | MAC-2320FT-E      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Microparticle Filter                                                                                     | MAC-EMF515FT-E    |
| 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           |
| Wireless Remote Controller                                                                                                                                                                                                                                                                                                                                                                                                                         | Sauermann Condensate Pump                                                                                | SI30-230          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lockdown Bracket for Wireless Handheld Remote Controllers                                                | RCMKP1CB          |
| Control Interface                                                                                                                                                                                                                                                                                                                                                                                                                                  | RedLINK Wireless Remote Controller                                                                       | MHK2              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 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 <sup>2</sup>                                                    | MAC-334IF-E       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Procon BACnet and Modbus Interface                                                                       | PAC-UKPRC001-CN-1 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Thermostat Interface for 3rd Party Thermostats                                                           | PAC-US445CN-1     |
| Disconnect Switch                                                                                                                                                                                                                                                                                                                                                                                                                                  | Wireless Interface Adapter for the Comfort app                                                           | PAC-USWHS002-WF-2 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30A600VUL fits 2 X 4 utility box - Black                                                                 | TAZ-MS303         |
| Lineset                                                                                                                                                                                                                                                                                                                                                                                                                                            | 30A600VUL fits 2 X 4 utility box - White                                                                 | TAZ-MS303W        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100 x 1/4 x 100 1/2 Lineset Twin-Tube Insulation                                                         | MLS141212T-100    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15 x 1/4 x 15 1/2 Lineset Twin-Tube Insulation                                                           | MLS141212T-15     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30 x 1/4 x 30 1/2 Lineset Twin-Tube Insulation                                                           | MLS141212T-30     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 50 x 1/4 x 50 1/2 Lineset Twin-Tube Insulation                                                           | MLS141212T-50     |
| Power Supplies and Auxiliary Components                                                                                                                                                                                                                                                                                                                                                                                                            | 65 x 1/4 x 65 1/2 Lineset Twin-Tube Insulation                                                           | MLS141212T-65     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 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 |
| Drain Hose                                                                                                                                                                                                                                                                                                                                                                                                                                         | Flexible Mini-Split Drain Hose                                                                           | DRX-16            |
| <b>NOTES</b><br><sup>2</sup> Allows IDU Connection to MA Controller:<br>Deluxe MA Remote Controller<br>Simple MA Controller<br>Touch MA Controller<br><sup>1</sup> Requires MAC-334IF-E Interface to connect MA controller<br><sup>1</sup> Requires MAC-334IF-E Interface to connect MA controller<br><sup>1</sup> Requires MAC-334IF-E Interface to connect MA controller<br><sup>1</sup> Requires MAC-334IF-E Interface to connect MA controller |                                                                                                          |                   |

# INDOOR UNIT DIMENSIONS: MSZ-EX18NLB



## MSZ-EX15/18NL

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

Note: Extension pipe size refer to the specifications table.

## MSZ-EX09/12NL

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

Note: Extension pipe size refer to the specifications table.