

# M-SERIES

## SUBMITTAL DATA: MLZ-KP12NA

12,000 BTU/H ONE-WAY CEILING-CASSETTE INDOOR UNIT FOR MXZ MULTI-ZONE HEAT-PUMP SYSTEMS



Job Name:

System Reference:

Date:



### INDOOR UNIT FEATURES

- Available sizes: 9, 12, 18 kBtu/h
- Fits between 16" joists
- Stylish, square design panel
- Built in condensate lift mechanism (19.6")
- Serviceable from the bottom (electrical and flare connections)
- Adjustable fan speeds and vane directions
- Pocket inside the unit for kumo cloud® wireless interface

## SPECIFICATIONS: MLZ-KP12NA

| MODEL NAME                               |                                     |           | MLZ-KP12NA                 |
|------------------------------------------|-------------------------------------|-----------|----------------------------|
| Cooling Capacity*1                       |                                     | Btu/h     | 12,000                     |
| Heating Capacity*2                       |                                     | Btu/h     | 15,000                     |
| Electrical                               | Voltage, Phase, Frequency           |           | 208 / 230V, 1-phase, 60 Hz |
|                                          | Guaranteed Voltage Range            |           | 198 – 253                  |
|                                          | Voltage: Indoor - Outdoor, S1-S2    |           | 208 / 230                  |
|                                          | Voltage: Indoor - Outdoor, S2-S3    |           | 24                         |
|                                          | Voltage: Indoor - Remote controller |           | 12                         |
| MCA                                      |                                     | A         | 1                          |
| Fan Motor Full Load Amperage             |                                     | A         | 0.68                       |
| Fan Motor Output                         |                                     | W         | 30                         |
| Airflow Rate, Dry, Cooling               |                                     | CFM       | 212-258-297-332            |
| Airflow Rate, Dry, Heating               |                                     | CFM       | 212-272-311-350            |
| External Static Pressure                 |                                     | in. WG    | -                          |
| Sound Pressure Level Cooling             |                                     | dB(A)     | 27-32-36-40                |
| Sound Pressure Level Heating             |                                     | dB(A)     | 26-32-36-40                |
| Drain Pipe Size                          |                                     | In. (mm)  | Ø1 [26mm]                  |
| Condensate Lift Mechanism, Max. Distance |                                     | In. (mm)  | 19 11/16 [500]             |
| Heat Exchanger Type                      |                                     |           | Plate fin coil             |
| External Finish Color                    |                                     |           | White                      |
| Unit Dimensions                          | W: In. (mm)                         |           | 43-3/8 [1,102]             |
|                                          | D: In. (mm)                         |           | 14-3/16 [360]              |
|                                          | H: In. (mm)                         |           | 7-5/16 [185]               |
| Package Dimensions                       | W: In.                              |           | 46 - 5/16 [1,177]          |
|                                          | D: In.                              |           | 15-3/4 [400]               |
|                                          | H: In.                              |           | 11 [279]                   |
| Unit Weight                              |                                     | Lbs. (kg) | 34 [15]                    |
| Package Weight                           |                                     | Lbs.      | 41 [18]                    |
| Refrigerant Type                         |                                     |           | R410A                      |
| Piping                                   | Gas Pipe Size O.D. (Flared)         |           | 3/8 [9.52]                 |
|                                          | Liquid Pipe Size O.D. (Flared)      |           | 1/4 [6.35]                 |

|                                                                                 |                                        |    |                                      |
|---------------------------------------------------------------------------------|----------------------------------------|----|--------------------------------------|
| AHRI Rated Conditions<br>(Rated data is determined at a fixed compressor speed) | *1 Cooling (Indoor // Outdoor)         | °F | 80°F DB, 67°F WB // 95°F DB, 75°F WB |
|                                                                                 | *2 Heating at 47°F (Indoor // Outdoor) | °F | 70°F DB, 60°F WB // 47°F DB, 43°F WB |

For data on specific indoor units (all ducted, all non-ducted, and both ducted and non-ducted) combinations, see the MXZ Technical and Service Manual.  
Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

## ACCESSORIES: MLZ-KP09NA

|                                                                                                                         |                         |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Anti-Allergy Enzyme Filter                                                                                              | □ MAC-408FT-E           |
| Grille (required)                                                                                                       | □ MLP-444W              |
| Backlit, Wall-mounted, Wireless Controller                                                                              | □ MHK1                  |
| Portable Central Controller                                                                                             | □ MCCH1                 |
| Wired MA Controller                                                                                                     | □ PAR-33MAA             |
| Simple MA Controller                                                                                                    | □ PAC-YT53CRAU          |
| Touch MA Controller                                                                                                     | □ PAR-CT01MAU-SB        |
| Wireless Temperature and Humidity Sensor                                                                                | □ PAC-USWHS003-TH-1     |
| System Control Interface                                                                                                | □ MAC-333IF-E*1         |
| 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® Interface                                                                                                       | □ PAC-UKPRC001-CN-1     |
| External Fan / Heater Control Relay Adapter                                                                             | □ CN24RELAY-KIT-CM3     |
| Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor — 208/230V application                               | □ X87-835 - 110 to 250V |
| MaxiBlue Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (110V) up to 48,000 Btu/h [recommended]     | □ X87-711 - 110V        |
| MaxiBlue Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (208/230V) up to 48,000 Btu/h [recommended] | □ X87-721 - 208/230V    |
| MegaBlue Blue Diamond Condensate Pump (110-230V) up to 170,000 Btu/h                                                    | □ X87-835               |
| Drain Pan Level Sensor                                                                                                  | □ DPLS2                 |
| (30A/600V/UL) [fits 2" X 4" utility box]                                                                                | □ TAZ-MS303             |

\*1 Allows M-Series indoor units to connect to a MA controller

