

## SUBMITTAL DATA: MLZ-KP12NA(2)-U1 & SUZ-KA12NAH2

### 12,000 BTU/H 1-WAY CEILING-CASSETTE HEAT PUMP SYSTEM

|                     |                                                                                                                |       |
|---------------------|----------------------------------------------------------------------------------------------------------------|-------|
| Job Name:           | Location:                                                                                                      | Date: |
| Purchaser:          | Engineer:                                                                                                      |       |
| Submitted to:       | For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction |       |
| System Designation: | Schedule No.:                                                                                                  |       |



#### ACCESSORIES:

- Grille (MLP-444WU - Ordered separate)
- Auxiliary Heat Connector Cable (MAC-1710RA-U)
- Windscreens (ME-FR-15-17)

#### Optional Controls

- Wireless Controller (MHK2)
- Wired Remote Controller (PAR-40MAA) (Requires MAC-334IF-E)
- Thermostat Interface (PAC-US444CN-1)
- System Control Interface (MAC-334IF-E)

| NOTES : *1. Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)<br>(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)<br>*2. Rating conditions(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) |         | Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)<br>Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)<br>Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F) |                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Operating range                                                                                                                                                                                                                  |         | Outdoor intake air temperature                                                                                                                 |                                   |
| Cooling                                                                                                                                                                                                                          | Maximum | D.B. 35°C(95°F), W.B. 21.7°C(71°F)                                                                                                             | D.B. 46°C(115°F)                  |
|                                                                                                                                                                                                                                  | Minimum | D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)                                                                                                           | D.B. -10°C(14°F)                  |
| Heating                                                                                                                                                                                                                          | Maximum | D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)                                                                                                           | D.B. 24°C(75°F), W.B. 18°C(65°F)  |
|                                                                                                                                                                                                                                  | Minimum | D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)                                                                                                           | D.B. -20°C(4°F), W.B. -21°C(-9°F) |

Specifications are subject to change without notice

|                 |                            |                         |            |
|-----------------|----------------------------|-------------------------|------------|
| Cooling         | Rated Capacity             | Btu/h                   | 12000      |
|                 | Capacity Range             | Btu/h                   | 3900-12000 |
|                 | Total input                | W                       | 960        |
|                 | Energy Efficiency          | EER                     | 12.5       |
|                 | Moisture Removal           | Pints/h                 | 19.8       |
|                 | Sensible Heat Factor       |                         | 2.8        |
| Heating at 47°F | Rated Capacity             | Btu/h                   | 15400      |
|                 | Capacity Range             | Btu/h                   | 4600-17000 |
|                 | Total input                | W                       | 1300       |
|                 | HSPF(Region IV)            | Btu/h/W                 | 12.1(11.6) |
| Heating at 17°F | Rated Capacity             | Btu/h                   | 9900       |
|                 | Rated Total input          | W                       | 1020(1150) |
|                 | Maximum Capacity           | Btu/h                   | 9900       |
|                 | Maximum Total input        | W                       | 1020(1150) |
| Power supply    | Voltage, Phase, Cycle      | 208/230V, 1-phase, 60Hz |            |
| Voltage         | Indoor - Outdoor S1-S2     | AC 208/230V             |            |
|                 | Indoor - Outdoor S2-S3     | DC12-24V                |            |
|                 | Indoor - Remote controller | DC12V                   |            |

|                     |                                  |                            |                                |
|---------------------|----------------------------------|----------------------------|--------------------------------|
| Indoor unit         | MCA (*)                          | A                          | 1                              |
|                     | Fan Motor                        | F.L.A.                     | 0.68                           |
|                     | Fan Motor Output                 | W                          | 30                             |
|                     | Air flow (Lo-to-Mid-Hi)          | Cooling DRY(CFM)           | 212-258-297-332                |
|                     |                                  | Heating WET(CFM)           | 180-219-252-282                |
|                     |                                  | Heating (CFM)              | 212-272-311-350                |
|                     | External Static Pressure         | in WG                      |                                |
|                     | Sound Pressure Level (Lo-Mid-Hi) | Cooling dB (A)             | 27-32-36-40                    |
|                     |                                  | Heating dB (A)             | 26-32-36-40                    |
|                     | External Finish Color            | Munsell 4.0GY 9.1/0.2      |                                |
|                     | Dimensions                       | W: in                      | 43-3/8                         |
|                     |                                  | D: in                      | 14-3/16                        |
|                     |                                  | H: in                      | 7-5/16                         |
| Outdoor unit        | Weight Unit                      | lbs                        | 34                             |
|                     | Field Drainpipe O.D.             | in                         | O.D. 1-1/4                     |
|                     | Refrigerant pipe Gas             | in                         | 3/8                            |
|                     | Refrigerant pipe Liquid          | in                         | 1/4                            |
|                     | MCA (*)                          | A                          | 9                              |
|                     | MOCP (*)                         | A                          | 16                             |
|                     | Fan Motor                        | F.L.A.                     | 0.5                            |
|                     | Compressor                       | Model(Type)                | DC INVERTER-driven Twin Rotary |
|                     |                                  | R.L.A.                     | 6.6                            |
|                     |                                  | L.R.A.                     | 8.2                            |
|                     | Air flow (Cooling/Heating)       | CFM                        | (1,229/1,172)                  |
|                     | Refrigerant Control              | Linear Expansion Valve     |                                |
|                     | Defrost Method                   | Reverse Cycle              |                                |
|                     | SPL (Cooling)                    | dB (A)                     | 49                             |
|                     | SPL (Heating)                    | dB (A)                     | 51                             |
|                     | External Finish Color            | Munsell No.3Y 7.8/1.1      |                                |
|                     | Dimension                        | W: in                      | 31-1/2                         |
|                     |                                  | D: in                      | 11-1/4                         |
|                     |                                  | H: in                      | 21-5/8                         |
|                     | Weight                           | lbs                        | 81                             |
| Remote Controller   | Type                             | Wireless Remote Controller |                                |
| Refrigerant         | Type                             | R410A                      |                                |
|                     | Charge                           | lbs, oz                    | 2.9                            |
|                     | Oil                              | Type(Fl.oz.)               | FV50S(11.8)                    |
| Refrigerant Pipe    | Gas side O.D.                    | in                         | 3/8                            |
|                     | Liquid side O.D.                 | in                         | 1/4                            |
|                     | Height Difference (Max)          | ft                         | 40                             |
|                     | Length (Max.)                    | ft                         | 65                             |
| Connection Method   | Indoor/Outdoor                   | Flared/Flared              |                                |
| Operation Guarantee | Cooling                          | °F                         | 14 - 115                       |
|                     | Heating                          | °F                         | -4 - 75                        |

**DIMENSIONS: MLZ-KP12NA(2)-U1 & SUZ-KA12NAH2**

