



SUBMITTAL DATA – CEILING/**FLOOR**  
**MLB024S4S-1P – MCFA024S4-1P**  
 SINGLE ZONE MINI-SPLIT HEAT PUMP

**Job:** \_\_\_\_\_  
**Location:** \_\_\_\_\_  
**Schedule No.:** \_\_\_\_\_  
**System Designation:** \_\_\_\_\_

**Engineer:** \_\_\_\_\_  
**Architect:** \_\_\_\_\_  
**Date:** \_\_\_\_\_  
**For:**  Reference  Approval  Review  Construction

**FEATURES**

**Outdoor Unit: MLB024S4S-1P**



- Low Ambient Heating/Cooling
- DC Inverter Control
- Compressor Overcurrent Protection
- Base Dancer
- Defrost Control

**Indoor Unit: MCFA024S4-1P**



- Pre Heat Function
- Auto Restart
- Three Selectable Fan Speeds
- Flare Connections
- LED Readout/Infrared Receiver Panel
- Wireless Remote Included

**PIPING**

**Line Set and Elevation Guidelines**

|  |                |
|--|----------------|
| Maximum Line Set Length ft. (m)                                  | 164 ft. (50 m) |
| Maximum Elevation - Outdoor Unit Below/Above Indoor Unit ft. (m) | 82 ft. (25m)   |
| Liquid Line Set Diameter (in.)                                   | 3/8            |
| Gas Line Set Diameter (in.)                                      | 5/8            |
| Pre-Charged (ft.)  | 25 ft.         |
| Additional Charge of Refrigerant (oz/ft.)                        | 0.32           |

**PRODUCT WARRANTY**

Compressor – Twelve year limited warranty\*  
 All other covered components - Twelve year limited warranty\*  
 \*Product registration required

**OPTIONAL ACCESSORIES**

Non-Programmable Controller (M0STAT61Q-1)  
 Programmable Controller (M0STAT64Q-2)  
 Part # \_\_\_\_\_



NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings, and Dimensions are subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.



# SUBMITTAL DATA – CEILING/**FLOOR**

## ML**B024S4S-1P** – MC**FA024S4-1P**

### SINGLE ZONE MINI-SPLIT HEAT PUMP

#### OUTDOOR SPECIFICATIONS

##### PERFORMANCE

|   |                        |
|---|------------------------|
| Cooling Capacity (Min/Max) (Btu/h) <sup>1</sup> | 24,000 (5,400/26,800)  |
| EER2  | 11.7                   |
| SEER2   | 20.5                   |
| Heating Capacity (Min/Max) (Btu/h) <sup>1</sup> | 25,000 (12,500/30,500) |
| HSPF2   | 11.0                   |
| Outdoor Fan Total Air Volume (CFM)              | 2,355                  |
| Ambient Temperature Operating Range             |                        |
| Cooling   | -22°F - 122°F          |
| Heating   | -22°F - 86°F           |

##### ELECTRICAL DATA

|                                    |              |
|------------------------------------|--------------|
| Power Supply (V/Hz/Φ)              | 208-230/60/1 |
| Minimum Circuit Ampacity (A)       | 25           |
| Maximum Overcurrent Protection (A) | 35           |
| Outdoor Fan Motor RLA (A)          | 0.5          |
| No. of Compressors                 | 1            |

##### GENERAL DATA

|                                    |               |
|------------------------------------|---------------|
| Connection Ratio (%)               | 100%          |
| Max. # of Indoor Units             | 1 unit        |
| Sound Data (dBA) - Cooling/Heating | 62/62         |
| Refrigerant type                   | R-410A        |
| Factory refrigerant charge         | 5 lbs. 12 oz. |

##### DIMENSIONS

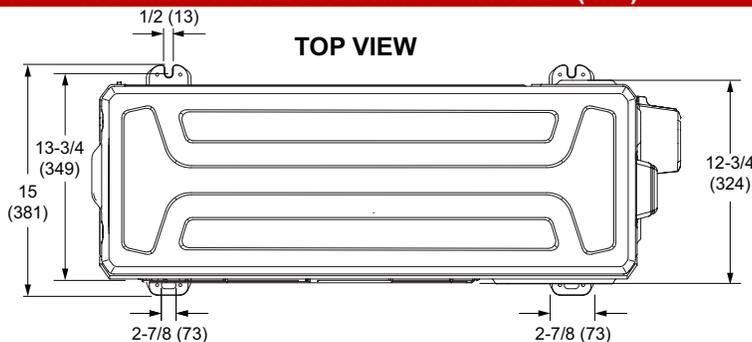
|                      |        |        |
|----------------------|--------|--------|
| Unit Dimensions (in) | Height | 36 1/2 |
|                      | Width  | 35 1/4 |
|                      | Depth  | 14 1/2 |
| Shipping Weight (lb) |        | 145    |
| Net Weight (lb)      |        | 135    |

##### NOTES

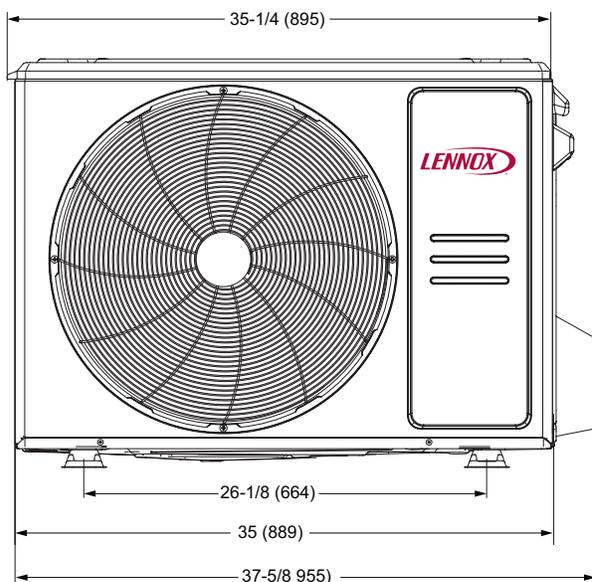
1. Cooling and Heating Capacity data is rated at the following conditions:

Cooling: 80°FDB / 67°FWB Indoor, 95°FDB Outdoor  
 Heating: 70°FDB Indoor, 47°FDB / 43°FWB Outdoor

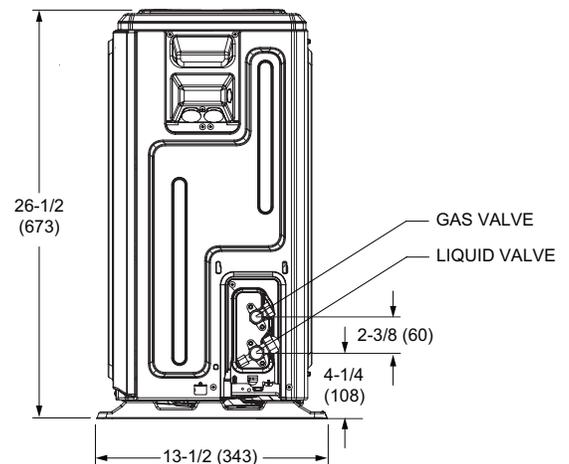
#### OUTDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



##### FRONT VIEW



##### SIDE VIEW



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## MLB024S4S-1P - MCFA024S4-1P

### SINGLE ZONE MINI-SPLIT HEAT PUMP

#### INDOOR SPECIFICATIONS

##### PERFORMANCE

|                                     |        |     |
|-------------------------------------|--------|-----|
| Airflow (CFM)                       | High   | 760 |
|                                     | Medium | 710 |
|                                     | Low    | 600 |
| External Static Pressure (in. w.g.) |        | -   |
| Sound Pressure (dBA)                | High   | 51  |
|                                     | Medium | 47  |
|                                     | Low    | 42  |

##### ELECTRICAL DATA

|                       |                 |
|-----------------------|-----------------|
| Power Supply (V/Hz/Φ) | Supplied by ODU |
| Rated load amps (RLA) | 2.2             |
| Power Output (W)      | 90              |

##### DIMENSIONS

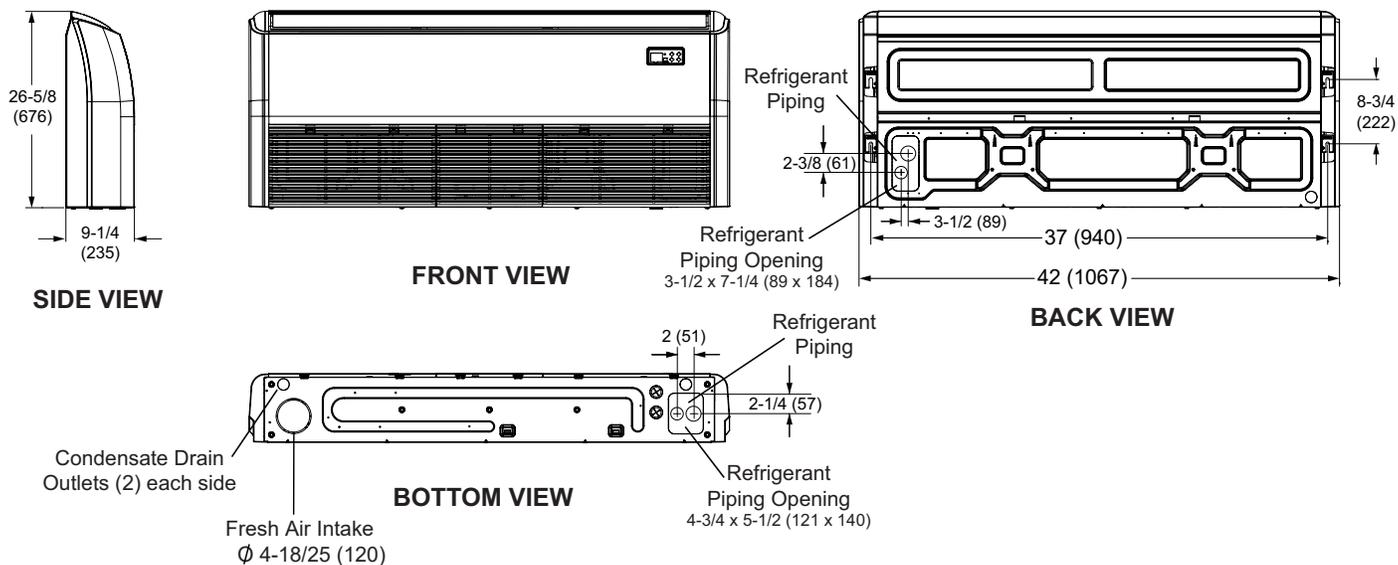
|                      |        |        |
|----------------------|--------|--------|
| Unit Dimensions (in) | Height | 31-7/8 |
|                      | Width  | 40-3/4 |
|                      | Depth  | 18     |

|                               |       |
|-------------------------------|-------|
| Unit Net/Shipping Weight (lb) | 61/73 |
|-------------------------------|-------|

##### PIPING

|                             |          |
|-----------------------------|----------|
| Liquid/Gas O.D. Flare (in.) | 3/8, 5/8 |
| Drain Connection O.D. (in.) | 1        |

#### INDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



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