



SUBMITTAL DATA – **DUCTED**
MPB048S4S-1P – MMDB048S4-1P
 SINGLE ZONE MINI-SPLIT HEAT PUMP

Job: _____
Location: _____
Schedule No.: _____
System Designation: _____

Engineer: _____
Architect: _____
Date: _____
For: Reference Approval Review Construction

FEATURES

Outdoor Unit: MPB048S4S-1P



- DC Inverter Control
- Compressor Overcurrent Protection
- Base Dancer
- Defrost Control

Indoor Unit: MMDB048S4-1P



- Auxiliary Heat Function
- Auto Restart
- Built-In Condensate Pump
- Three Selectable Fan Speeds
- Flare Connections
- LED Readout Panel
- Wired Remote Controller Included

PIPING

Line Set and Elevation Guidelines

| | |
|--|----------------|
| Maximum Line Set Length ft. (m) | 213 ft. (65 m) |
| Maximum Elevation - Outdoor Unit Below/Above Indoor Unit ft. (m) | 98 ft. (30m) |
| Liquid Line Set Diameter (in.) | 3/8 |
| Gas Line Set Diameter (in.) | 5/8 |
| Pre-Charged (ft.) | 25 |
| 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

Hail Guards (M9GARD18Q-1)
 Programmable Controller (M0STAT64Q-1)



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.



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OUTDOOR SPECIFICATIONS

| PERFORMANCE | |
|---------------------------------------|---------------|
| Cooling Capacity (Btu/h) ¹ | 48,000 |
| EER | 9.2 |
| SEER | 17.4 |
| Heating Capacity (Btu/h) ¹ | 49,500 |
| HSPF | 10.3 |
| Outdoor Fan Total Air Volume (CFM) | 4,470 |
| Ambient Temperature Operating Range | |
| Cooling | -13°F - 122°F |
| Heating | -13°F - 86°F |

| ELECTRICAL DATA | |
|------------------------------------|--------------|
| Power Supply (V/Hz/Φ) | 208-230/60/1 |
| Minimum Circuit Ampacity (A) | 35 |
| Maximum Overcurrent Protection (A) | 50 |
| Outdoor Fan Motor RLA (A) | (2) 0.39 |
| Compressor RLA (A) | 23.5 |
| No. of Compressors | 1 |

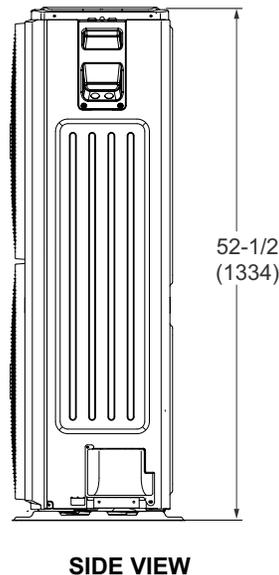
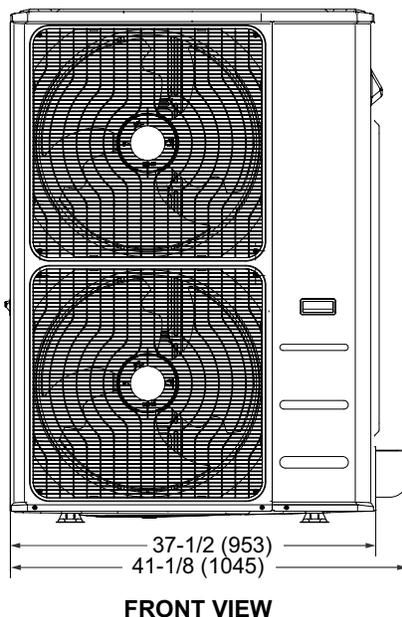
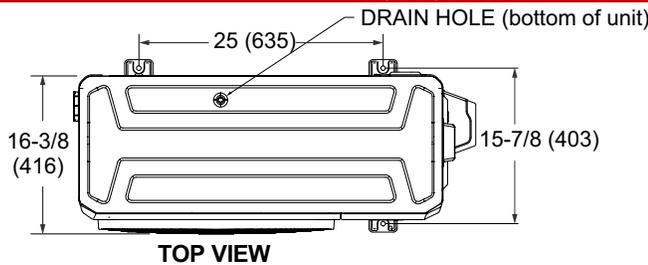
| GENERAL DATA | |
|------------------------------------|--------------|
| Connection Ratio (%) | 100% |
| Max. # of Indoor Units | 1 unit |
| Sound Data (dBA) - Cooling/Heating | 62.5/62.5 |
| Refrigerant type | R-410A |
| Factory refrigerant charge | 9 lbs. 4 oz. |

| DIMENSIONS | | |
|----------------------|--------|--------|
| Unit Dimensions (in) | Height | 52-1/2 |
| | Width | 37-1/2 |
| | Depth | 15-7/8 |
| Shipping Weight (lb) | 246 | |
| Net Weight (lb) | 218 | |

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)



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INDOOR SPECIFICATIONS

| PERFORMANCE | | |
|-------------------------------------|--------|----------|
| Airflow (CFM) | High | 1230 |
| | Medium | 1030 |
| | Low | 715 |
| External Static Pressure (in. w.g.) | | 0 - 0.64 |
| Sound Pressure (dBA) | High | 50.5 |
| | Medium | 48.5 |
| | Low | 46 |

ELECTRICAL DATA

| | |
|-----------------------|-----------------|
| Power Supply (V/Hz/Φ) | Supplied by ODU |
| Rated load amps (RLA) | 4.1 |
| Power Output (W) | 560 |

DIMENSIONS

| | | |
|----------------------|--------|--------|
| Unit Dimensions (in) | Height | 11 |
| | Width | 50-1/2 |
| | Depth | 34-3/8 |

| | |
|-------------------------------|---------|
| Unit Net/Shipping Weight (lb) | 120/142 |
|-------------------------------|---------|

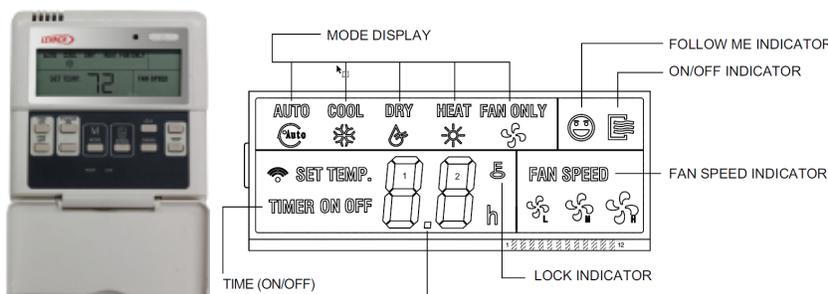
PIPING

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

WIRED REMOTE CONTROLLER SPECIFICATIONS

| M0STAT61Q-1 | |
|-------------------------------|------------------------|
| Input Voltage (V) | 5Vdc |
| Communication Cabling | Factory 4-wire harness |
| Operating Temperature Range | 23°F to 110°F |
| Operating Humidity Range (RH) | 40% ~ 90% |
| Setpoint Range | 62°F ~ 86°F |

DISPLAY



INDOOR DIMENSIONAL DRAWINGS - INCHES (MM)

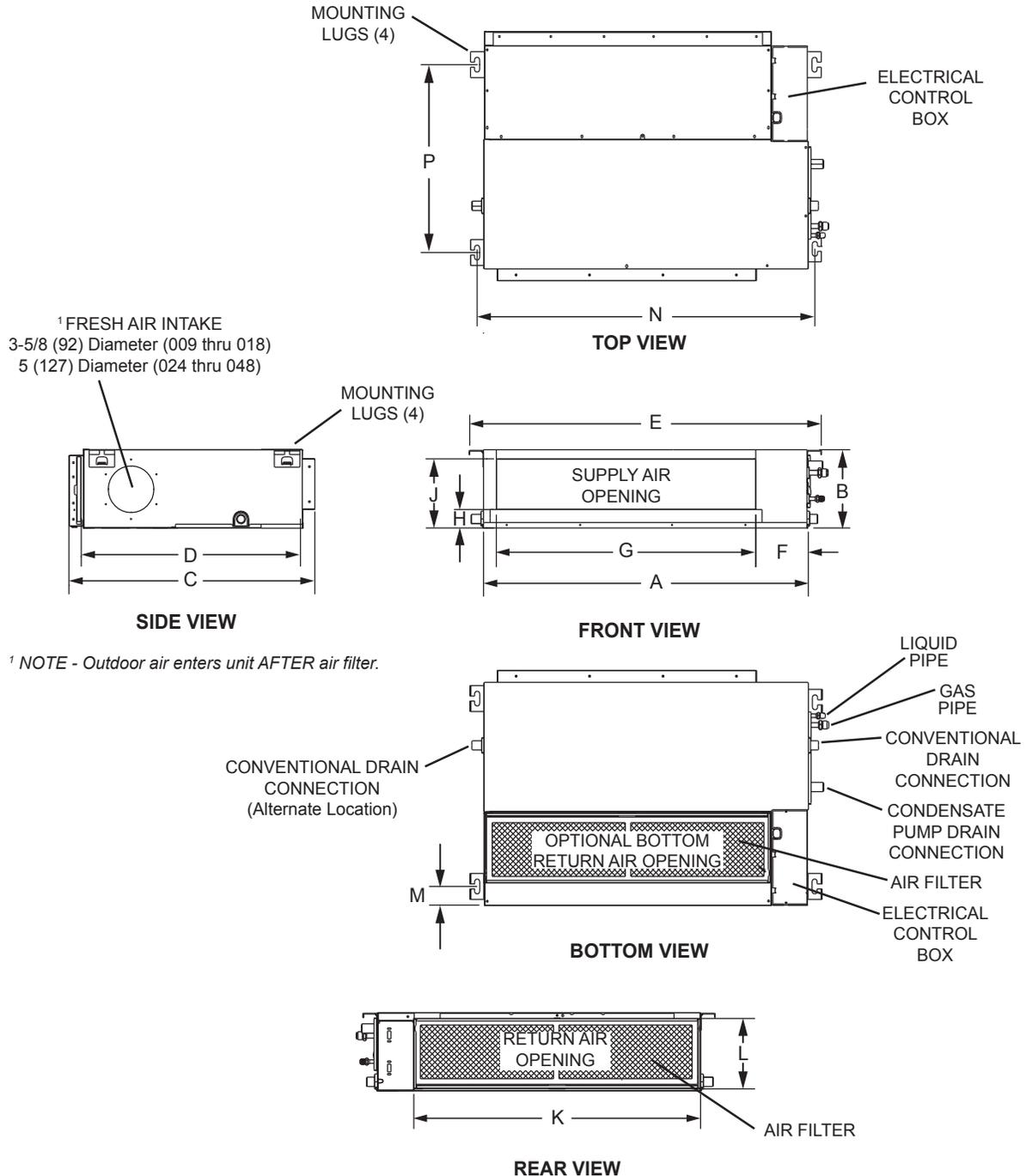
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INDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



¹ NOTE - Outdoor air enters unit AFTER air filter.

| Size | A | | B | | C | | D | | E | | F | | G | | H | |
|------|--------|------|--------|------|--------|-----|--------|-----|--------|------|--------|-----|--------|------|-----|----|
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| 048 | 47-1/4 | 1200 | 11-7/8 | 302 | 34-3/8 | 873 | 31-1/2 | 800 | 50-1/2 | 1283 | 4-7/8 | 124 | 41-1/8 | 1045 | 2 | 51 |
| | J | | K | | L | | M | | N | | P | | | | | |
| | 9 | 229 | 43-3/8 | 1102 | 11 | 279 | 1/4 | 6 | 48-7/8 | 1241 | 27-1/2 | 699 | | | | |

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