



SUBMITTAL DATA – **DUCTED**
MPC048S4S-1P – MMDB048S4-2P
 SINGLE ZONE MINI-SPLIT HEAT PUMP

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

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

FEATURES

Outdoor Unit: MPC048S4S-1P



- DC Inverter Control
- Compressor Overcurrent Protection
- Base Pan Heater
- Defrost Control

Indoor Unit: MMDB048S4-2P



- 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 (65)
Maximum Elevation - Outdoor Unit Below/Above Indoor Unit ft. (m)	98 (30)
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 (M9GARD21Q-1)
 Programmable Controller (M0STAT64Q-2)



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OUTDOOR SPECIFICATIONS

PERFORMANCE	
Cooling Capacity (Btu/h) ¹	48,000 (12,077/48,000)
EER2	8.4
SEER2	15.1
Heating Capacity (Btu/h) ¹	50,000 (11,607/50,000)
HSPF2	9.1
Outdoor Fan Total Air Volume (CFM)	4,500
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)	36.5
Maximum Overcurrent Protection (A)	50
No. of Compressors	1

GENERAL DATA	
Connection Ratio (%)	100%
Max. # of Indoor Units	1 unit
Sound Data (dBA) - Cooling/Heating	63.5/63.5
Refrigerant type	R-410A
Factory refrigerant charge	9 lbs. 15 oz.

DIMENSIONS		
Unit Dimensions (in)	Height	44-5/8
	Width	41-1/8
	Depth	16-3/8
Shipping Weight (lb)	249	
Net Weight (lb)	219	

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)

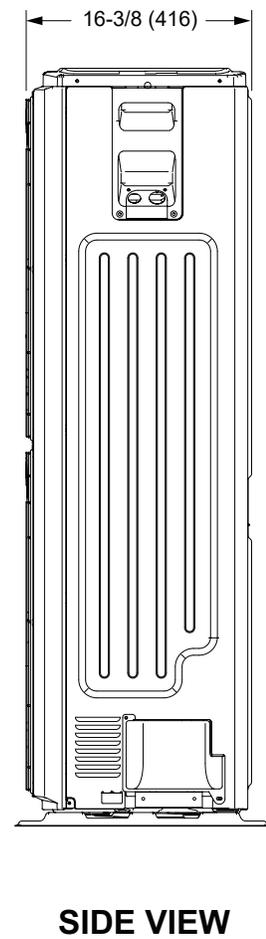
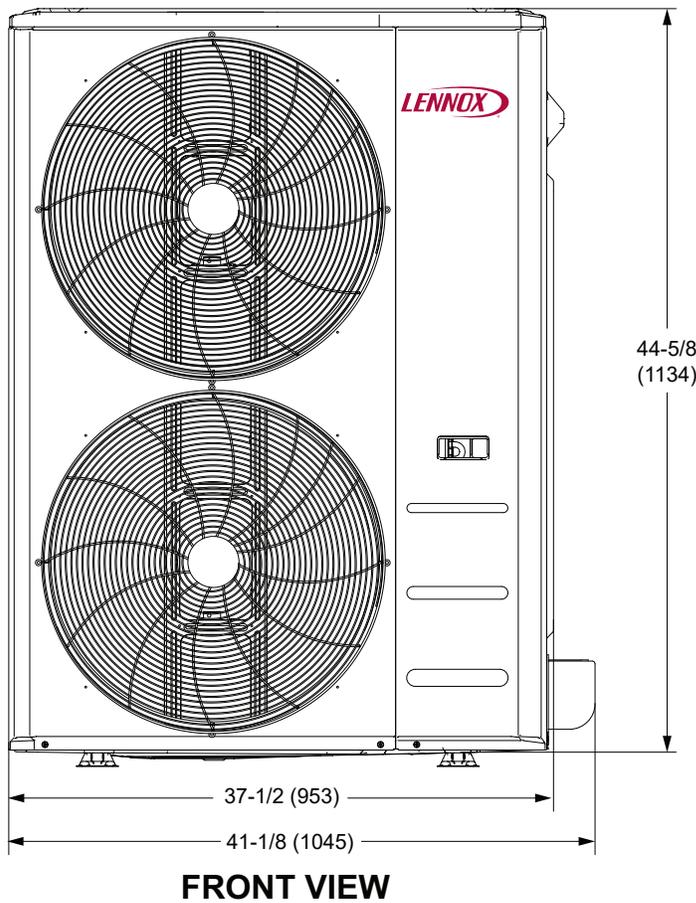
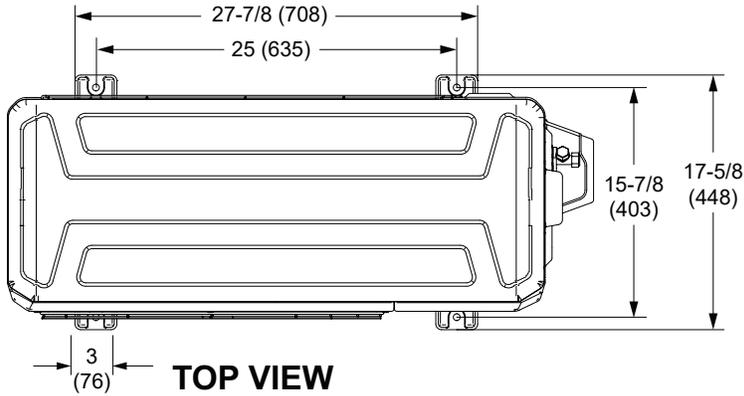
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SINGLE ZONE MINI-SPLIT HEAT PUMP

OUTDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



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 SINGLE ZONE MINI-SPLIT HEAT PUMP

INDOOR SPECIFICATIONS

PERFORMANCE		
Airflow (CFM)	High	1228
	Medium	1031
	Low	715
External Static Pressure (in. w.g.)		0 - 0.64
Sound Pressure (dBA)	High	52.0
	Medium	50.0
	Low	49

ELECTRICAL DATA

Power Supply (V/Hz/Φ)	Supplied by ODU
Rated load amps (RLA)	2.5
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
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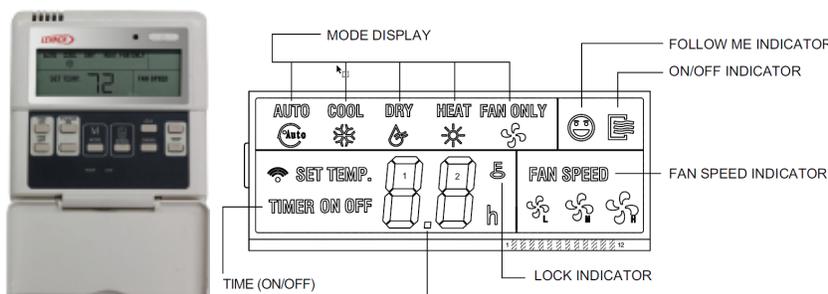
PIPING

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)

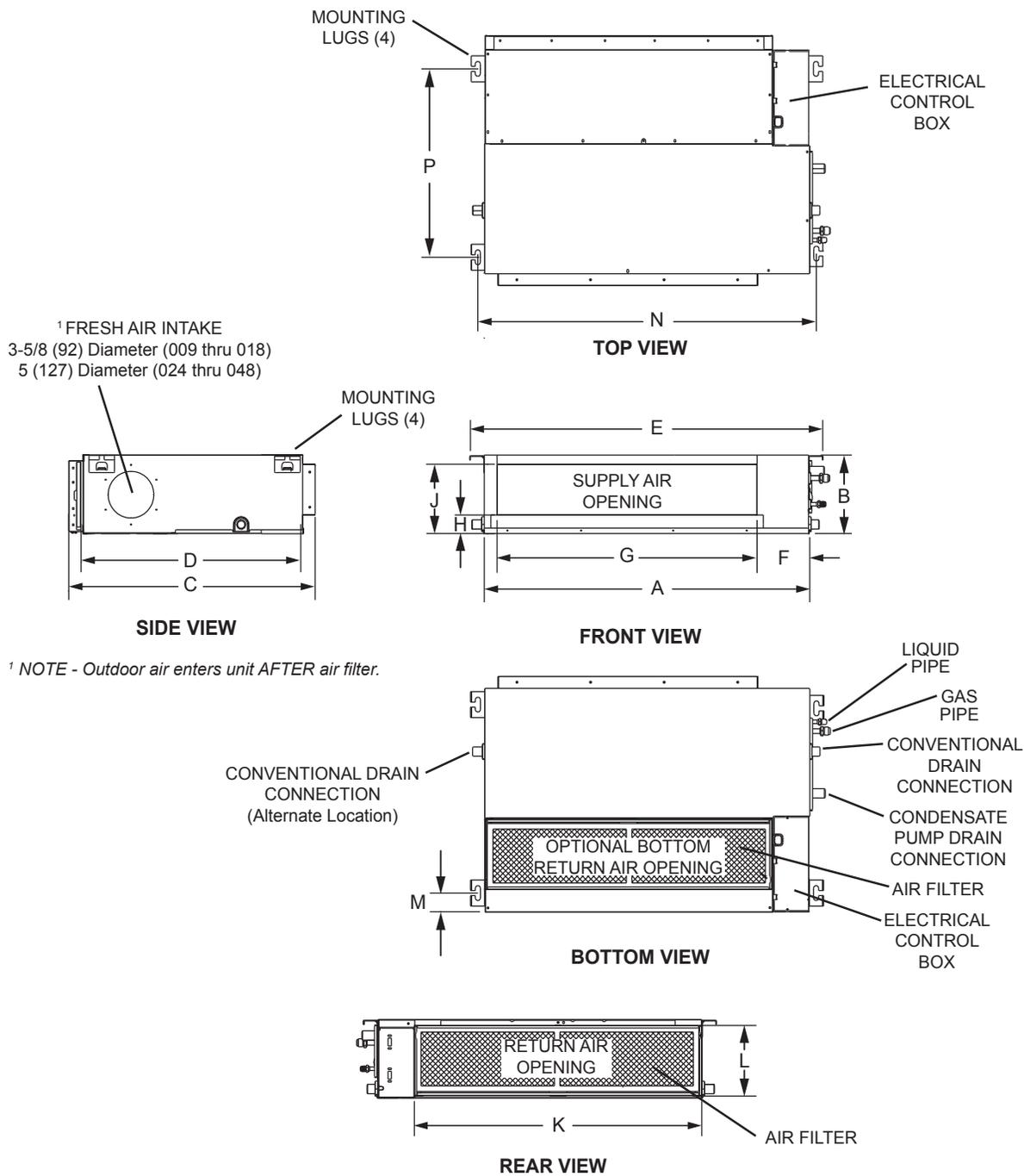
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INDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



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					
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
	9	229	43-3/8	1102	11	279	1/4	6	48-7/8	1241	27-1/2	699				

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