



**SUBMITTAL DATA – Multi-Position  
AHU MLB048S4S-2P – MMA048S4-1P**  
SINGLE ZONE MINI-SPLIT HEAT PUMP

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

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

**FEATURES**

**Outdoor Unit: MLB048S4S-2P**



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

**Indoor Unit: MMA048SM4-1P**



- Constant torque blower motor
- Multi-position cabinet (upflow, downflow, horizontal)
- Completely insulated with foil faced fiberglass insulation
- Low leakage (less than 2%) cabinet
- Furnished Wired Programmable Controller and Wireless Remote Controller

**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. (30 m)
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**

Hail Guard Set (M9GARD21Q-1/24M83)  
 Wired Non-PGM Controller (M0STAT120L-1)  
 M30 Smart Wi-Fi Thermostat (M0STAT64Q-2)



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**OUTDOOR SPECIFICATIONS**

PERFORMANCE	
Cooling Capacity (Btu/h) <sup>1</sup>	47,000
EER2	7.8
SEER2	14.6
Heating Capacity (Btu/h) <sup>1</sup>	48,000
HSPF2	8.9
Outdoor Fan Total Air Volume (CFM)	4,470
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)	36.3
Maximum Overcurrent Protection (A)	50
Outdoor Fan Motor RLA (A)	2 (0.39)
Compressor RLA (A)	
No. of Compressors	2

GENERAL DATA	
Connection Ratio (%)	100%
Max. # of Indoor Units	1 unit
Sound Data (dBA) - Cooling/Heating	65/65
Refrigerant type	R-410A
Factory refrigerant charge	16 lbs. 0 oz.

DIMENSIONS		
Unit Dimensions (in)	Height	52-1/2
	Width	37-1/2
	Depth	15-7/8
Shipping Weight (lb)		256
Net Weight (lb)		228

**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

**INDOOR SPECIFICATIONS**

PERFORMANCE		
Airflow (CFM)	High	1282
	Medium	1094
	Low	906
External Static Pressure (in. w.g.)		0 - 0.80
Sound Pressure (dBA)	High	53.5
	Medium	47
	Low	43.5
ELECTRICAL DATA		
Power Supply (V/Hz/Φ)	208/230V 60Hz 1Ph	
Maximum Overcurrent Protection (MOCP)		15
Minimum Circuit Ampacity (MCA)		7.5

DIMENSIONS		
Unit Dimensions (in)	Height	I J
	Width	F -1/2
	Depth	G
Shipping Weight (lb)		156

PIPING	
Liquid/Gas O.D. Flare (in.)	3/8 , 5/8
Drain Connection O.D. (in.)	3/4

FILTERS	
Size of filter - in.	19-1/2 x 20 x 1
Optional Electric Heat	Electric Heat - Please see EHB
Electric Heat Net Weight - lbs.	15

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

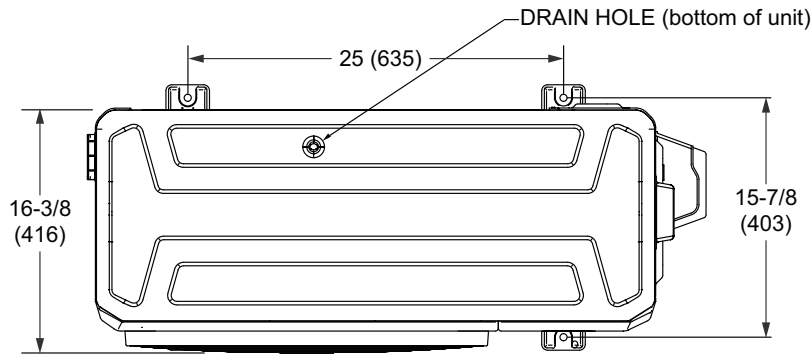
Model No.	018 / 024		036 / 048		060	
	in.	mm	in.	mm	in.	mm
A (Height)	45	1143	49	1245	53	1346
B Width)	17-1/2	445	21-1/4	540	24-1/2	622
C	15-5/8	397	19-1/8	486	22-5/8	575
D	15-1/8	384	18-5/8	473	22-1/8	562
E	1-1/4	32	1-1/4	32	1-1/8	28
F	1-1/2	38	1-5/8	41	1-5/8	41
G	5/8	16	5/8	16	3/4	19

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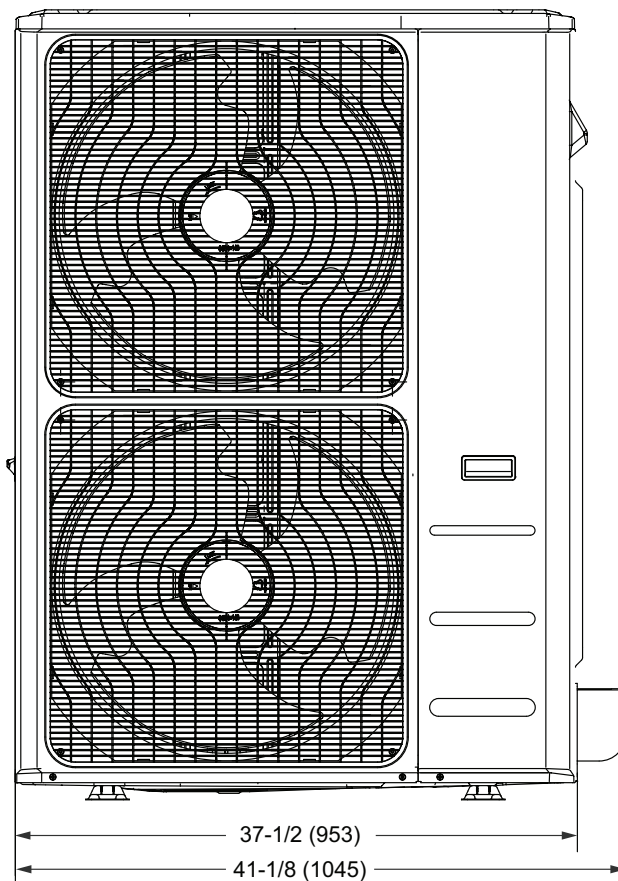


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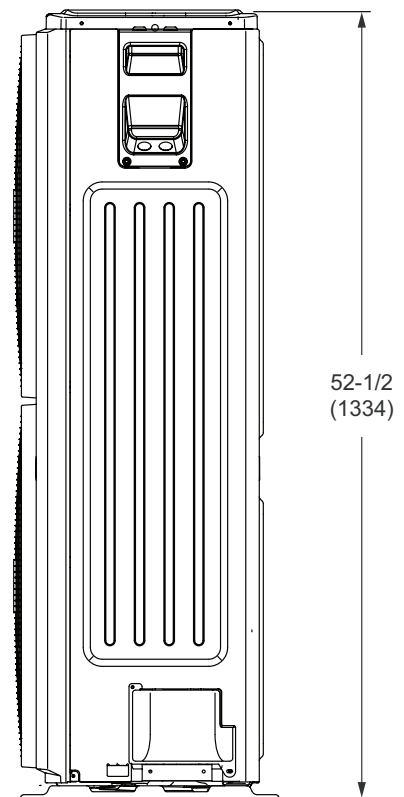
**OUTDOOR DIMENSIONAL DRAWINGS - INCHES (MM)**



**TOP VIEW**



**FRONT VIEW**



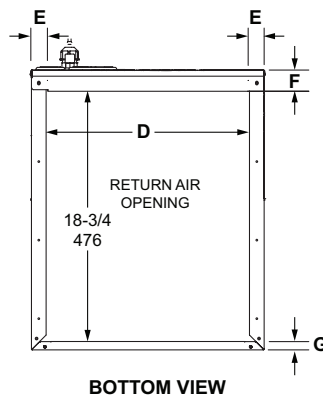
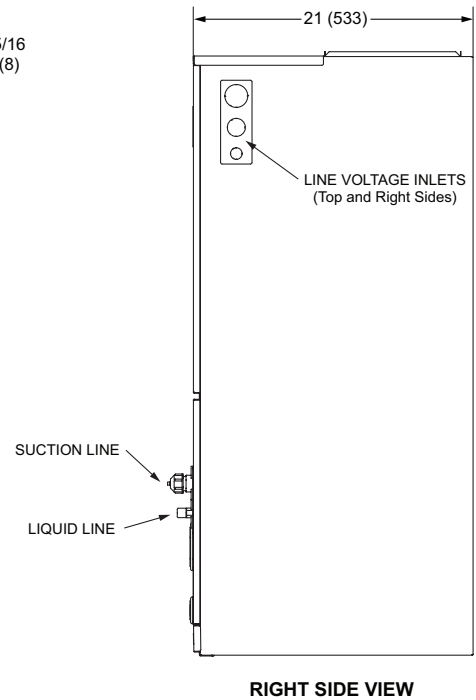
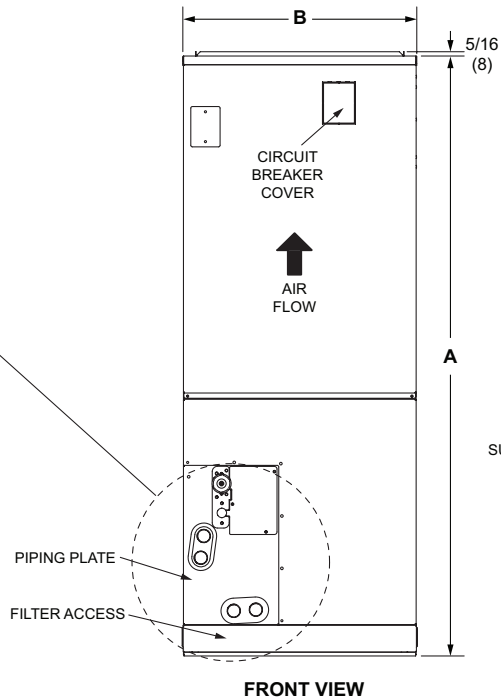
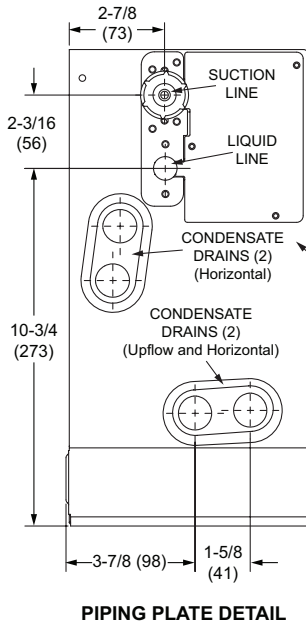
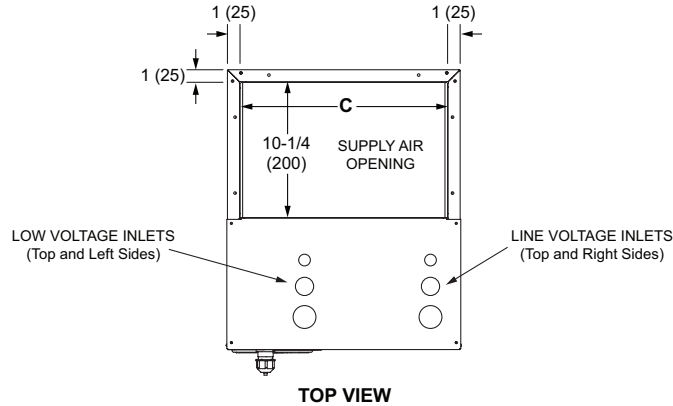
**SIDE VIEW**

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



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