



SUBMITTAL DATA – OUTDOOR
UNIT **MLB030S4M-1P**
MULTI-ZONE MINI-SPLIT HEAT PUMP

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

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

FEATURES

Outdoor Unit: MLB030S4M-1P

Indoor Unit Options: Ducted OR Non-Ducted



- Low Ambient Cooling/Heating
- Defrost Control
- DC Inverter Control
- Base Pan Heater
- Crankcase Heater



Piping

Line Set and Elevation Guidelines

Maximum Number of Indoor Units/Zones	3
Liquid Line Set Diameter (in.)	(3) 1/4
Gas Line Set Diameter (in.)	(3) 3/8
Maximum Pipe Length ft. (m)	197 ft. (60 m)
Maximum Line Set Length - Furthest Indoor Unit	98 ft. (30 m)
Maximum Elevation - Outdoor Unit Below/Above Indoor Unit ft. (m)	49 ft. (15m)
Pre-Charged (ft.)	74 ft.
Additional Charge of Refrigerant (oz/ft.)	0.16

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)
 Hail Guard Set (M9GARD22Q-1/24M84)



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OUTDOOR SPECIFICATIONS

PERFORMANCE

Cooling Capacity (Btu/h) ¹	Ducted	28,000
	Non-Ducted	28,000
EER2	Ducted	11.5
	Non-Ducted	12.5
SEER2	Ducted	20.0
	Non-Ducted	23.0
Heating Capacity (Btu/h) ¹	Ducted	28,000
	Non-Ducted	28,000
HSPF2	Ducted	9.50
	Non-Ducted	10.6
Outdoor Fan Total Air Volume (CFM)		2150
Ambient Temperature Operating Range		
Cooling		-22 - 122°F
Heating		-22 - 86°F

ELECTRICAL DATA

Power Supply (V/Hz/Φ)	208-230/60/1
Minimum Circuit Ampacity (A)	25
Maximum Overcurrent Protection (A)	40
Outdoor Fan Motor RLA (A)	1.3
No. of Compressors	1

GENERAL DATA

Connection Ratio (%)	66% to 133%
Max. # of Indoor Units	Up to 3 units
Sound Data (dBA) - Cooling/Heating	63/63
Refrigerant type	R-410A
Factory refrigerant charge	8 lbs. 6 oz.

DIMENSIONS

Unit Dimensions (in)	Height	31-7/8
	Width	40-5/8
	Depth	16-5/8
Shipping Weight (lb)		180
Net Weight (lb)		168

NOTES

- 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

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Multi-Zone System Combinations

NOTE - For multi-zone systems, the total capacity of all indoor units must be 66% to 133% of the outdoor unit capacity.

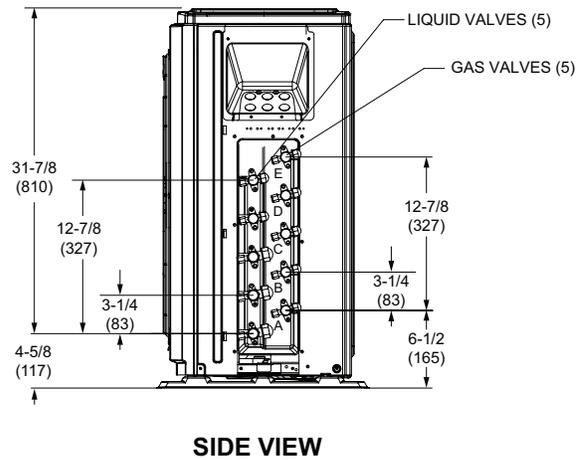
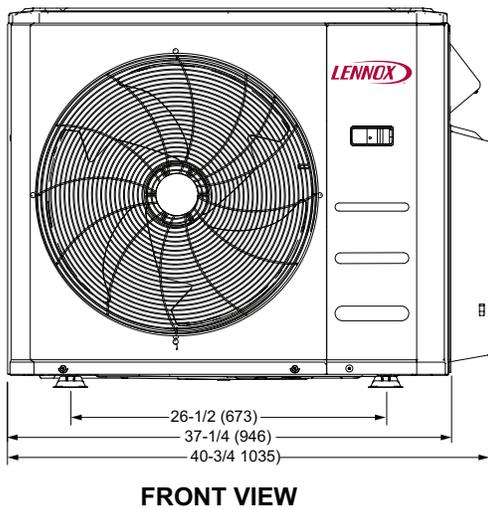
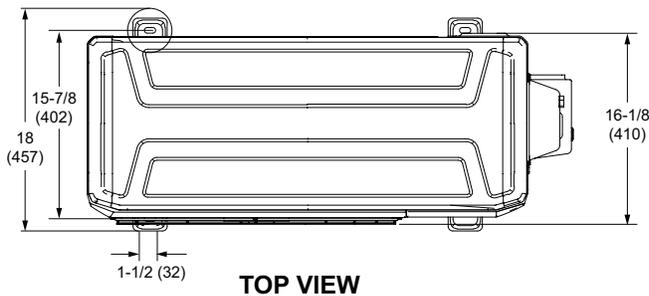
Outdoor Unit Model No.	Number of Zones	Indoor Unit Capacity					Nominal Cooling Capacity at Rated System Capacity (Btuh)					Nominal Heating Capacity at Rated System Capacity (Btuh)				
		#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5
MLB030S4M	1	18K	--	----	--	----	16,600	--	----	--	----	18,000	--	----	--	----
		24K	--	----	--	----	22,000	--	----	--	----	23,000	--	----	--	----
	2	12K	6K	--	----	--	12,000	6,000	--	----	--	12,900	6,500	--	----	--
		18K	6K	--	----	--	17,000	5,000	--	----	--	18,900	6,300	--	----	--
		9K	9K	--	----	--	9,000	9,000	--	----	--	9,700	9,700	--	----	--
		12K	9K	--	----	--	11,000	8,000	--	----	--	12,900	9,700	--	----	--
		18K	9K	--	----	--	16,000	8,000	--	----	--	18,300	9,200	--	----	--
		12K	12K	--	----	--	11,000	11,000	--	----	--	12,600	12,600	--	----	--
		18K	12K	--	----	--	15,000	10,000	--	----	--	17,400	11,600	--	----	--
		18K	18K	--	----	--	14,000	14,000	--	----	--	14,800	14,800	--	----	--
	3	6K	6K	6K	--	----	7,000	7,000	7,000	--	----	8,500	8,500	8,500	--	----
		9K	6K	6K	--	----	10,000	7,000	7,000	--	----	11,500	7,700	7,700	--	----
		12K	6K	6K	--	----	13,000	6,000	6,000	--	----	13,900	7,000	7,000	--	----
		18K	6K	6K	--	----	17,000	6,000	6,000	--	----	17,500	5,900	5,900	--	----
		9K	9K	6K	--	----	10,000	10,000	6,000	--	----	10,500	10,500	7,000	--	----
		12K	9K	6K	--	----	12,000	9,000	6,000	--	----	12,700	9,500	6,400	--	----
		18K	9K	6K	--	----	16,000	8,000	5,000	--	----	16,100	8,100	5,400	--	----
		12K	12K	6K	--	----	11,000	11,000	6,000	--	----	11,700	11,700	5,900	--	----
		18K	12K	6K	--	----	15,000	10,000	5,000	--	----	15,000	10,000	5,000	--	----
		9K	9K	9K	--	----	9,000	9,000	9,000	--	----	9,500	9,500	9,500	--	----
		12K	9K	9K	--	----	11,000	9,000	9,000	--	----	11,700	8,800	8,800	--	----
		18K	9K	9K	--	----	15,000	7,000	7,000	--	----	15,000	7,500	7,500	--	----
	12K	12K	9K	--	----	11,000	11,000	8,000	--	----	10,800	10,800	8,100	--	----	
	12K	12K	12K	--	----	10,000	10,000	10,000	--	----	10,000	10,000	10,000	--	----	

¹ One outdoor unit may be matched with one indoor unit for single zone applications. Additional indoor units can be added at a later date for multi-zone applications (if applicable).



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OUTDOOR DIMENSIONAL DRAWINGS - INCHES (MM)



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