

MULTI-ZONE MINI-SPLIT HEAT PUMP

Job:	Engineer:
Location:	Architect:
Schedule No.:	Date:
System Designation:	For: ☐ Reference ☐ Approval ☐ Review ☐ Construction

FEATURES

Outdoor Unit: MPC048S4M-1P



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

Indoor Unit Options: Ducted OR Non-Ducted



Piping

Line Set and Elevation Guidelines	
Maximum Number of Indoor Units/Zones	5
Liquid + Gas + Gas pipe (in.) flare	(5) 1/4 + (3) 3/8 + (2) 1/2
Maximum Pipe Length ft. (m)	262 ft. (80 m)
Maximum Line Set Length - Furthest Indoor Unit	115 ft. (35 m)
Maximum Elevation - Outdoor Unit Below/Above Indoor Unit ft. (m)	49 ft. (15m)
Pre-Charged (ft.)	123 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 (M9GARD21Q-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.



MULTI-ZONE MINI-SPLIT HEAT PUMP

OUTDOOR SPECIFICATIO	NS								
PERFORMANCE									
Cooling Capacity (Btu/h) ¹	Ducted	48,000							
	Non-Ducted	48,000							
EER2	Ducted	10.8							
	Non-Ducted	12.2							
SEER2	Ducted	20.0							
	Non-Ducted	23.4							
Heating Capacity (Btu/h) ¹	Ducted	50,000							
	Non-Ducted	48,000							
HSPF2	Ducted	9.7							
	Non-Ducted	8.7							
Outdoor Fan Total Air Volume	(CFM)	4500							
Ambient Temperature Operatir	ng Range								
Cooling		-13 - 122°F							
Heating		-13 - 86°F							
ELECTRICAL DATA									
Power Supply (V/Hz/Φ)		208-230/60/1							
Minimum Circuit Ampacity (A)	35.0								
Maximum Overcurrent Protecti	50.0								
Outdoor Fan Motor Output (W)	Outdoor Fan Motor Output (W)								
No. of Compressors		1							

GENERAL DATA		
Connection Ratio (%)		66% to 133%
Max. # of Indoor Units		Up to 5 units
Sound Data (dBA) - Cooling/Heating		64/64
Refrigerant type		R-410A
Factory refrigerant charge		10 lbs. 2 oz.
DIMENSIONS		
Unit Dimensions (in)	Height	52-1/2
	Width	41-3/4
	Depth	16-3/8
Shipping Weight (lb)		255
Net Weight (lb)		224
NOTES		

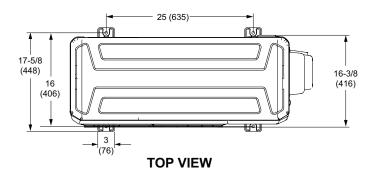
1. Cooling and Heating Capacity data is rated at the following conditions:

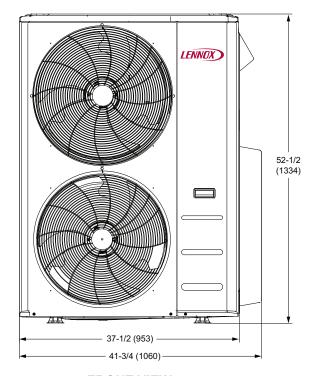
Cooling: 80°FDB / 67°FWB Indoor, 95°FDB Outdoor Heating: 70°FDB Indoor, 47°FDB / 43°FWB Outdoor

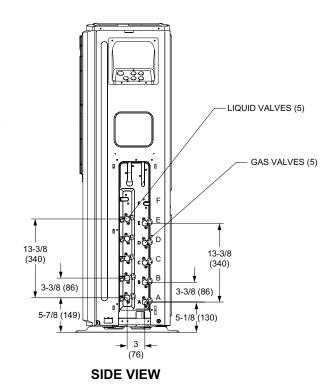


MULTI-ZONE MINI-SPLIT HEAT PUMP

OUTDOOR DIMENSIONAL DRAWINGS - INCHES (MM)







FRONT VIEW

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.

Multi-Zone System Combinations

Outdoor Unit Model No.	Number of			oor lapaci					ing Capa Capacity			Nominal Heating Capacity at Rated System Capacity (Btuh)					
	Zones	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	
	1 1	30K			- -		27,000					28,000					
	· ·	36K			- -		33,000					34,000					
		24K	9K				24,000	9,000				25,100	9,400				
		30K	9K	- -			29,000	8,000				30,400	9,100				
		24K	12K				23,000					24,800	<u> </u>				
		30K	12K				28,000					29,600	11,900				
	2	18K	18K					17,000				18,600	18,600				
			18K				22,000					23,700	17,800				
			18K				26,000					27,600					
			24K				21,000					22,000					
			24K				23,000					25,000	20,000				
		_	30K	- -				19,000				21,700					
		24K	6K	6K			24,000	<u> </u>	6,000			25,500	6,400	6,400			
		30K	6K	6K			29,000	6,000	6,000			30,100	6,100	6,100			
		24K	9K	6K			23,000	9,000	6,000			24,800	9,300	6,200			
		30K	9K	6K			28,000	8,000	6,000			29,300	8,800	5,900			
		18K	12K	6K			18,000		6,000			19,100	12,800	6,400			
		24K	12K	6K			23,000	11,000	6,000			24,100	12,100	6,100			
		30K	12K	6K			27,000	11,000	5,000			28,600	11,500	5,800			
			18K	6K			17,000	17,000	6,000			18,100	18,100	6,100			
		24K	18K	6K			22,000	16,000	5,000			22,900	17,200	5,800			
		30K	18K	6K			26,000	15,000	5,000			27,300	16,400	5,500			
MPC048S4M		24K	24K	6K	- -		20,000	20,000	5,000			21,800	21,800	5,500			
W 004004W		30K	24K	6K	- -		24,000	19,000	5,000			26,200	21,000	5,300			
		18K	9K	9K			18,000	9,000	9,000			19,100	9,600	9,600			
		24K	9K	9K			23,000	9,000	9,000			24,100	9,100	9,100			
		30K	9K	9K	- -		27,000	8,000	8,000			28,600	8,600	8,600			
		12K	12K	9K	- -		12,000	12,000	9,000			13,200	13,200	9,900			
	3	18K	12K	9K	- -		18,000	12,000	9,000			18,600	12,400	9,300			
	3	24K	12K	9K			22,000	11,000	8,000			23,500	11,800	8,800			
		30K	12K	9K			26,000	11,000	8,000			27,900	11,200	8,400			
		18K	18K	9K			17,000	17,000	8,000			17,600	17,600	8,800			
		24K	18K	9K			21,000	16,000	8,000			22,300	16,800	8,400			
		30K	18K	9K			25,000	15,000	7,000			26,700	16,100	8,100			
		24K	24K	9K	- -		20,000	20,000	7,000			21,400	21,400	8,100			
		30K	24K	9K			23,000	19,000	7,000			25,700	20,600	7,800			
		12K	12K	12K			12,000	12,000	12,000			12,800	12,800	12,800			
		18K	12K	12K	- -		17,000	11,000	11,000			18,100	12,100	12,100			
		24K	12K	12K			22,000	11,000	11,000			22,900	11,500	11,500			
		30K	12K	12K			26,000	10,000	10,000			27,300	10,900	10,900			
		18K	18K	12K			16,000	16,000	11,000			17,200	17,200	11,500			
		24K	18K	12K			20,000	15,000	10,000			21,800	16,400	10,900			
		30K	18K	12K			24,000	14,000	10,000			26,200	15,700	10,500			
		24K	24K	12K			19,000	19,000	10,000			21,000	21,000	10,500			
		18K	18K	18K				15,000	15,000			16,400		16,400			
		24K	18K	18K				14,000				21,000		15,700			

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).

Multi-Zone System Combinations

Outdoor Unit	Number of	<u> </u>	Ind	oor Lapaci	Jnit	сара	Nomi	nal Cool	r units n ing Cap Capacit	acity at	Rated	Nominal Heating Capacity at Rated System Capacity (Btuh)					
Model No.	Zones	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	
		18K	6K	6K	6K		18,000	6,000	6,000	6,000			19,400	6,500	6,500	6,500	
		24K	6K	6K	6K		24,000	6,000	6,000	6,000			25,100	6,300	6,300	6,300	
		30K	6K	6K	6K		29,000	6,000	6,000	6,000			30,100	6,100	6,100	6,100	
		18K	9K	6K	6K	- -	18,000	9,000	6,000	6,000			19,100	9,600	6,400	6,400	
		24K	9K	6K	6K	-	24,000	9,000	6,000	6,000			24,600	9,300	6,200	6,200	
		30K	9K	6K	6K	- -	28,000	8,000	6,000	6,000	- -		29,200	8,800	5,900	5,900	
		12K	12K	6K	6K	- -	12,000	12,000	6,000	6,000	- -		12,900	12,900	6,500	6,500	
		18K	12K	6K	6K		18,000	12,000	6,000	6,000			18,900	12,600	6,300	6,300	
		24K	12K	6K	6K	<u>-</u> -	23,000	11,000	6,000	6,000	- -		24,100	12,100	6,100	6,100	
		30K	12K	6K	6K		27,000	11,000	5,000	5,000			28,200	11,300	5,700	5,700	
		18K	18K	6K	6K		17,000	17,000	6,000	6,000			18,100	18,100	6,100	6,100	
		24K	18K	6K	6K		22,000	16,000	5,000	5,000			22,600	16,900	5,700	5,700	
		30K	18K	6K	6K		25,000	15,000	5,000	5,000			25,800	15,500	5,200	5,200	
		24K	24K	6K	6K	- -	20,000	20,000	5,000	5,000			20,700	20,700	5,200	5,200	
		12K	9K	9K	6K	- -	12,000	9,000	9,000	6,000			12,900	9,700	9,700	6,500	
		18K	9K	9K	6K	- -	18,000	9,000	9,000	6,000			18,900	9,500	9,500	6,300	
		24K	9K	9K	6K	- -	23,000	9,000	9,000	6,000			24,100	9,100	9,100	6,100	
		30K	9K	9K	6K	- -	27,000	8,000	8,000	5,000			28,200	8,500	8,500	5,700	
		12K	12K	9K	6K		12,000	12,000	9,000	6,000			12,800	12,800	9,600	6,400	
MPC048S4M	4	18K	12K	9K	6K		18,000		9,000	6,000			18,500	12,300	9,300	6,200	
		24K	12K	9K	6K		22,000	11,000	8,000	6,000			23,400	11,700	8,800	5,900	
		30K		9K	6K		26,000	10,000	8,000	5,000			27,100	10,900	8,200	5,500	
		18K	18K		6K		17,000		8,000	6,000			17,500		8,800	5,900	
			18K		6K	- -	,	16,000	8,000	5,000				16,300	8,200	5,500	
			18K		6K		,	14,000	7,000	5,000			24,500		7,400	4,900	
			12K		6K		12,000		12,000	6,000			12,600		12,600	6,300	
				12K				11,000	11,000	6,000			18,100		-	6,100	
			12K		6K	- -	22,000		11,000	5,000			22,600		11,300	5,700	
		-	12K		6K	- -	25,000		10,000	5,000			25,800	10,400	10,400	5,200	
			18K		6K		16,000		11,000	5,000			16,900			5,700	
		24K			6K		20,000		10,000	5,000			20,700	15,500	10,400	5,200	
		9K	9K	9K	9K		9,000	9,000	9,000	9,000			9,700	9,700	9,700	9,700	
		12K	9K	9K	9K		12,000	9,000	9,000	9,000			12,800	9,600	9,600	9,600	
		18K	9K	9K	9K		18,000	9,000	9,000	9,000			18,500	9,300	9,300	9,300	
		24K	9K	9K	9K		22,000	8,000	8,000	8,000			23,400	8,800	8,800	8,800	
		30K	9K	9K	9K		26,000	8,000	8,000	8,000			27,100	8,200	8,200	8,200	
			12K		9K		12,000		9,000	9,000			12,600	,	9,500	9,500	
		_	12K		9K		17,000		9,000	9,000			18,100	,	9,100	9,100	
¹ One outdoor unit	may be mate		12K		9K unit for	single	zone applic		8,000 ditional indo	8,000 or units car	be added	at a later da	22,600 ate for multi-		8,500 cations (if a	8,500 oplicable).	

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).

Multi-Zone System Combinations

Outdoor Unit Model No.	Number of			oor L apaci					ing Cap Capacit			Nominal Heating Capacity at Rated System Capacity (Btuh)					
WIOGEI IVO.	Zones	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	
		30K	12K	9K	9K		25,000	10,000	7,000	7,000		25,800	10,400	7,800	7,800		
		18K	18K	9K	9K	<u>-</u> -	16,000		8,000	8,000		16,900	16,900	8,500	8,500		
			18K		9K			15,000	7,000	7,000		20,700	15,500	7,800	7,800		
		12K		12K	9K	- -	· ·	12,000	12,000	9,000		12,300	12,300	12,300	9,300		
				12K			17,000		11,000	8,000		17,500	11,700	11,700	8,800		
				12K			21,000		10,000	8,000		21,700	10,900	10,900	8,200		
	4	30K		12K	9K		24,000	9,000	9,000	7,000		24,500	9,800	9,800	7,400		
				12K				16,000	10,000	8,000		16,300	16,300	10,900	8,200		
		24K		12K		<u>-</u> -		14,000	9,000	7,000		19,600	14,700	9,800	7,400		
				12K		<u></u>	11,000		11,000	11,000		12,100	-	12,100			
		18K		12K			16,000		11,000	11,000		16,900	11,300	11,300	11,300		
		24K	_	12K		<u>-</u> -	20,000		10,000	10,000		20,700	10,400	10,400			
		18K		12K				15,000	10,000	10,000		15,500	15,500	10,400		7.000	
		9K	6K	6K	6K	6K	9,000	6,000	6,000	6,000	6,000	10,000	7,000	7,000	7,000	7,000	
		12K	6K	6K	6K	6K	12,000	6,000	6,000	6,000	6,000	13,000	6,000	6,000	6,000	6,000	
		18K	6K 6K	6K 6K	6K 6K	6K	18,000	6,000	6,000	6,000	6,000	19,000	6,000	6,000	6,000	6,000	
		24K	6K	6K		6K	24,000	6,000	6,000	6,000	6,000	25,000	6,000	6,000	6,000	6,000	
		30K 9K	9K	6K	6K 6K	6K 6K	28,000 9,000	6,000 9,000	6,000 6,000	6,000	6,000	29,000	5,000 10,000	5,000 6,000	5,000 6,000	5,000 6,000	
		12K	9K	6K	6K	6K	12,000	9,000	6,000	6,000	6,000	13,000	10,000	6,000	6,000	6,000	
		12K	9K	6K	6K	6K	18,000	9,000	6,000	6,000	6,000	19,000	9,000	6,000	6,000	6,000	
MPC048S4M		24K	9K	6K	6K	6K	23,000	9,000	6,000	6,000	6,000	24,000	9,000	6,000	6,000	6,000	
1011 004004101		30K	9K	6K	6K	6K	27,000	8,000	5,000	5,000	5,000	28,000	8,000	5,000	5,000	5,000	
		12K		6K	6K	6K	12,000		6,000	6,000	6,000	13,000	13,000	6,000	6,000	6,000	
		18K	12K	6K	6K	6K	18,000		6,000	6,000	6,000	18,000	12,000	6,000	6,000	6,000	
		24K	12K	6K	6K	6K	22,000		6,000	6,000	6,000	23,000	11,000	5,000	5,000	5,000	
				6K	6K	6K	26,000		5,000	5,000	5,000	27,000	10,000	5,000	5,000	5,000	
			18K	-	6K	6K		17,000	6,000	6,000	6,000	17,000		5,000	5,000	5,000	
	5	-	18K		6K	6K	21,000		5,000	5,000	5,000	21,000		5,000	5,000	5,000	
		9K	9K	9K	6K	6K	9,000	9,000	9,000	6,000	6,000	10,000		10,000	6,000	6,000	
		12K	9K	9K	6K	6K	12,000	9,000	9,000	6,000	6,000	13,000	9,000	9,000	6,000	6,000	
		18K	9K	9K	6K	6K	18,000	9,000	9,000	6,000	6,000	18,000	9,000	9,000	6,000	6,000	
		24K	9K	9K	6K	6K	22,000	8,000	8,000	6,000	6,000	23,000	8,000	8,000	5,000	5,000	
		30K	9K	9K	6K	6K	26,000	8,000	8,000	5,000	5,000	27,000	8,000	8,000	5,000	5,000	
		12K	12K	9K	6K	6K	12,000	12,000	9,000	6,000	6,000	12,000	12,000	9,000	6,000	6,000	
		18K	12K	9K	6K	6K	17,000	12,000	9,000	6,000	6,000	18,000	12,000	9,000	6,000	6,000	
		24K	12K	9K	6K	6K	22,000	11,000	8,000	5,000	5,000	22,000	11,000	8,000	5,000	5,000	
		30K	12K	9K	6K	6K	24,000	10,000	7,000	5,000	5,000	26,000	10,000	7,000	5,000	5,000	
		18K	18K	9K	6K	6K	16,000	16,000	8,000	5,000	5,000	17,000	17,000	8,000	5,000	5,000	
		24K	18K	9K	6K	6K	20,000	15,000	7,000	5,000	5,000	21,000	15,000	7,000	5,000	5,000	
		12K	12K	12K	6K	6K	12,000	12,000	12,000	6,000	6,000	12,000	12,000	12,000	6,000	6,000	
		18K	12K	12K	6K	6K	17,000	11,000	11,000	6,000	6,000	17,000	11,000	11,000	5,000	5,000	
		24K	12K	12K	6K	6K	21,000	10,000	10,000	5,000	5,000	21,000	10,000	10,000	5,000	5,000	

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).



MULTI-ZONE MINI-SPLIT HEAT PUMP

Multi-Zone System Combinations

Outdoor Unit Model No.	Number of		Ind	oor l	Jnit		Nomi	nal Cool	ing Cap Capacit	acity at	Rated	Nominal Heating Capacity at Rated System Capacity (Btuh)					
woder No.	Zones	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	
		18K	18K	12K	6K	6K	16,000	16,000	10,000	5,000	5,000	16,000	16,000	10,000	5,000	5,000	
		9K	9K	9K	9K	6K	9,000	9,000	9,000	9,000	6,000	9,000	9,000	9,000	9,000	6,000	
		12K	9K	9K	9K	6K	12,000	9,000	9,000	9,000	6,000	12,000	9,000	9,000	9,000	6,000	
		18K	9K	9K	9K	6K	17,000	9,000	9,000	9,000	6,000	18,000	9,000	9,000	9,000	6,000	
		24K	9K	9K	9K	6K	22,000	8,000	8,000	8,000	5,000	22,000	8,000	8,000	8,000	5,000	
		30K	9K	9K	9K	6K	24,000	7,000	7,000	7,000	5,000	26,000	7,000	7,000	7,000	5,000	
		12K		9K	9K	6K	12,000		9,000	9,000	6,000	12,000	12,000	9,000	9,000	6,000	
		18K	12K	9K	9K	6K	17,000	11,000	8,000	8,000	6,000	17,000	11,000	8,000	8,000	5,000	
	5	24K	12K	9K	9K	6K	21,000	10,000	8,000	8,000	5,000	21,000	10,000	8,000	8,000	5,000	
		18K	18K	9K	9K	6K	16,000	16,000	8,000	8,000	5,000	16,000	16,000	8,000	8,000	5,000	
		12K	12K	12K	9K	6K	12,000		12,000	9,000	6,000	12,000	12,000	12,000	9,000	6,000	
		18K	12K	12K	9K	6K	16,000	11,000	11,000	8,000	5,000	17,000	11,000	11,000	8,000	5,000	
MPC048S4M		24K			9K	6K	20,000	-	10,000	7,000	5,000	21,000	10,000	10,000	7,000	5,000	
55155		12K	-			6K	11,000	-	11,000	11,000	6,000	11,000	11,000	11,000	11,000	5,000	
		18K	-		12K	6K	16,000	10,000	10,000	10,000	5,000	16,000	10,000	10,000	10,000	5,000	
		9K	9K	9K	9K	9K	9,000	9,000	9,000	9,000	9,000	9500	9500	9500	9500	9500	
		12K	9K	9K	9K	9K	12,000	9,000	9,000	9,000	9,000	12,000	9,000	9,000	9,000	9,000	
		18K	9K	9K	9K	9K	17,000	8,000	8,000	8,000	8,000	17,000	8,000	8,000	8,000	8,000	
		24K	9K	9K	9K	9K	21,000	8,000	8,000	8,000	8,000	21,000	8,000	8,000	8,000	8,000	
		12K	-	9K	9K	9K	12,000		9,000	9,000	9,000	12,000	12,000	9,000	9,000	9,000	
		18K	-	9K	9K	9K	16,000		8,000	8,000	8,000	17,000	11,000	8,000	8,000	8,000	
		24K		9K	9K	9K	20,000		7,000	7,000	7,000	21,000	10,000	7,000	7,000	7,000	
		12K			9K	9K	11,000	11,000	11,000	8,000	8,000	11,000	11,000	11,000	8,000	8,000	
		18K	-		9K	9K	16,000		10,000	8,000	8,000	16,000	10,000	10,000	8,000	8,000	
		12K	-	_		9K	11,000	11,000	11,000	11,000	8,000	11,000	11,000	11,000	11,000	8,000	
		12K	12K	12K	12K	12K	10,000	10,000	10,000	10,000	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).