

## SUBMITTAL DATA: MXZ-3B24NA-1

MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
System Designation:	Schedule No.:	

**GENERAL FEATURES**

- Compact side discharge outdoor unit
- Wireless or wired remote controller, indoor unit dependent
- Quiet operation
- Automatic fan speed control
- Auto restart following power outage
- Self-check function—integrated diagnostics
- Advanced microprocessor control
- Limited warranty: five years parts and seven years compressors



Outdoor Unit: MXZ-3B24NA-1


**ACCESSORIES**

- Air Outlet Guide (MAC-856SG)
- 3/8" x 1/2" Port Adapter (MAC-A454JP-E)
- 1/2" x 3/8" Port Adapter (MAC-A455JP-E)
- 1/2" x 5/8" Port Adapter (MAC-A456JP-E)

Specifications			Model Name
<b>Unit Type</b>			<b>MXZ-3B24NA-1</b>
<b>Cooling*</b> (Non-ducted / Ducted)	<b>Rated Capacity</b>	Btu/h	22,000 / 23,600
	<b>Maximum Capacity</b>	Btu/h	22,000 / 25,500
	<b>Total Input</b>	W	1,760 / 2,460
<b>Heating at 47°F*</b> (Non-ducted / Ducted)	<b>Rated Capacity</b>	Btu/h	25,000 / 24,600
	<b>Maximum Capacity</b>	Btu/h	30,200 / 29,400
	<b>Total Input</b>	W	1,750 / 1,900
<b>Heating at 17°F*</b> (Non-ducted/Ducted)	<b>Rated Capacity</b>	Btu/h	14,000 / 14,000
	<b>Total Input</b>	W	1,380 / 1,570
<b>Electrical Requirements</b>	<b>Power Supply</b>	<b>Voltage, Phase, Hertz</b>	208 / 230V, 1-Phase, 60 Hz
	<b>Recommended Fuse/Breaker Size</b>	<b>A</b>	20
	<b>MCA</b>	<b>A</b>	18
<b>Voltage</b>	<b>Indoor - Outdoor S1-S2</b>	<b>V</b>	AC 208 / 230
	<b>Indoor - Outdoor S2-S3</b>	<b>V</b>	DC ±24
<b>Compressor</b>			DC Inverter-driven Twin Rotary
<b>Fan Motor (ECM)</b>		<b>F.L.A.</b>	0.93
<b>Sound Pressure Level</b> (Non-ducted/Ducted)	<b>Cooling</b>	<b>dB(A)</b>	54
	<b>Heating</b>	<b>dB(A)</b>	49
<b>External Dimensions (H x W x D)</b>		<b>In. / mm</b>	35-7/16 x 35-7/16 x 12-5/8 / 900 x 900 x 321
<b>Net Weight</b>		<b>Lbs. / kg</b>	150 (68)
<b>External Finish</b>			Munsell No. 3Y 7.8 / 1.1
<b>Refrigerant Pipe Size O.D. — Four Ports</b>	<b>Liquid (High Pressure)</b>	<b>(In. / mm)</b>	1/4 / 6.35
	<b>Gas (Low Pressure)</b>		A: 1/2 / 12.7; B,C: 3/8 / 9.52
<b>Max. Refrigerant Line Length</b>		<b>Ft.</b>	230
<b>Max. Piping Length for Each Indoor Unit</b>		<b>Ft.</b>	82
<b>Max. Refrigerant Pipe Height Difference</b>	<b>If Indoor Unit is Above Outdoor Unit</b>	<b>Ft.</b>	49
	<b>If Indoor Unit is Below Outdoor Unit</b>		33
<b>Connection Method</b>			Flared
<b>Refrigerant</b>			R410A

(For data on specific indoor units, see the MXZ-B Technical and Service Manual.)

**\* Rating Conditions per AHRI Standard:**

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB  
 Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB

Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
 Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
 Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

# SPECIFICATIONS: MXZ-3B24NA-1, contd.

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95° F (35° C) DB 71° F (22° C) WB	115° F (46° C) DB
	Minimum	67° F (19° C) DB 57° F (14° C) WB	14° F (-10° C) DB
Heating	Maximum	80° F (27° C) DB 67° F (19° C) WB	75° F (24° C) DB 65° F (18° C) WB
	Minimum	70° F (21° C) DB 60° F (16° C) WB	6° F (-14° C) DB 5° F (-15° C) WB

Indoor Unit Type	SEER	EER	HSPF	COP @ 47°F	COP @ 17°F
<b>MSZ-GE06NA-8 x 2</b> <b>MSZ-GE09NA-8 x 1</b>	17.5	12.5	9.3	4.2	2.97
<b>MSZ-GE06NA-8 x 2</b> <b>MSZ-GE12NA-8 x 1</b>	17.5	12.5	9.3	4.2	2.97

**Multi-zone Indoor/Outdoor Combination Table**

	MSZ-FE*	MSZ-GE*	MFZ*	SEZ*	SLZ*	PCA (A24)*	PLA (A12/18/24)*	PEAD (A24)*
<b>MXZ-3B24NA-1</b>	OK	06/09/12/15/18 OK 18 NO	OK	OK	OK	24 OK	18, 24 OK 12 NO	NO

\* Refer to indoor unit submittal.

**Notes:**

- Minimum of two Indoor Units must be connected to the MXZ-3B24NA-1.
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- There are NO indoor units larger than 24,000 Btu/h that can be connected to MXZ Systems.
- PLA-A12BA can NOT be connected with MXZ-2B20NA-1/MXZ-3B24NA-1/MXZ-3B30NA-1/MXZ-4B36NA-1.
- System can operate with only one Indoor Unit turned on. (see Operation Performance Table next page for single Indoor Unit performance).
- May connect to any style indoor unit or combination.
- Information provided at 208/230V. Refer to the MXZ Outdoor Unit Service Manual for detailed specifications and additional information per Indoor Unit Combination.

Notes:

# MXZ-3B24NA-1 OPERATION PERFORMANCE

Operation Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C)	Cooling Capacity Range (Btu/h)				Power Usage Range (W)
	Heating Capacity Range (Btu/h)				
	Unit A	Unit B	Unit C	Total Range	
6	6,500	-	-	5,200 - 6,500	460 - 580
	7,800	-	-	6,800 - 14,400	540 - 1,460
9	9,000	-	-	7,200 - 9,000	580 - 820
	10,900	-	-	8,600 - 15,400	780 - 1,520
12	12,000	-	-	7,200 - 12,000	580 - 1,020
	13,600 - 14,400	-	-	8,600 - 16,400	780 - 1,600
15	14,000 - 15,000	-	-	7,200 - 15,000	580 - 1,340
	18,000	-	-	8,600 - 21,100	780 - 2,280
18	17,200	-	-	7,200 - 17,200	600 - 1,590
	21,600	-	-	8,600 - 24,900	780 - 2,770
6 + 6	6,500	6,500	-	12,000 - 13,000	920 - 960
	7,800	7,800	-	11,000 - 25,800	740 - 2,240
6 + 9	6,500	9,000	-	12,000 - 15,500	940 - 1,260
	7,800	10,900	-	11,000 - 25,800	740 - 2,240
6 + 12	6,500	12,000	-	12,000 - 18,500	920 - 1,600
	7,800	13,600 - 14,400	-	11,000 - 27,400	740 - 2,520
6 + 15	6,100 - 6,400	13,600 - 13,900	-	12,000 - 20,500	920 - 1,840
	7,200	16,400	-	11,000 - 27,400	740 - 2,620
6 + 18	5,500	14,500	-	12,000 - 23,700	920 - 2,460
	6,300	17,300	-	11,000 - 29,000	740 - 2,840
9 + 9	9,000	9,000	-	12,000 - 18,000	920 - 1,840
	10,900	10,900	-	11,000 - 27,400	740 - 2,560
9 + 12	8,600	11,400	-	12,000 - 21,000	920 - 2,040
	10,000 - 10,200	13,200 - 13,400	-	11,000 - 27,400	740 - 2,800
9 + 15	7,500	12,500	-	12,000 - 24,000	920 - 2,540
	9,000	14,600	-	11,000 - 29,000	740 - 2,920
9 + 18	6,800	13,200	-	12,000 - 26,000	920 - 2,840
	8,000	15,600	-	11,000 - 29,000	740 - 2,920
12 + 12	10,000	10,000	-	12,000 - 24,000	920 - 2,540
	11,800 - 12,200	11,400 - 11,800	-	11,000 - 29,000	740 - 2,920
12 + 15	8,900 - 9,300	10,700 - 11,100	-	12,000 - 26,000	920 - 2,840
	10,200 - 10,500	13,100 - 13,400	-	11,000 - 29,000	740 - 2,860
6 + 6 + 6	6,500	6,500	6,500	12,600 - 19,500	1,000 - 1,600
	7,800	7,800	7,800	11,400 - 30,600	740 - 2,420
6 + 6 + 9	6,500	6,500	9,000	12,600 - 22,000	1,000 - 1,940
	7,400	7,400	9,600 - 10,200	11,400 - 30,600	740 - 2,480
6 + 6 + 12	5,800	5,800	10,400 - 10,600	12,600 - 25,000	1,000 - 2,330
	6,500	6,500	11,600 - 12,000	11,400 - 30,600	740 - 2,500
6 + 6 + 15	5,300	5,300	11,400 - 11,900	12,600 - 27,000	1,000 - 2,580
	5,900	5,900	13,000 - 13,200	11,400 - 30,600	740 - 2,520
6 + 9 + 9	6,000	8,000 - 8,200	8,000 - 8,200	12,600 - 24,500	1,000 - 2,290
	6,600	8,900 - 9,200	8,900 - 9,200	11,400 - 30,600	740 - 2,540
6 + 9 + 12	5,200	7,200 - 7,700	9,600 - 10,100	12,600 - 27,000	1,000 - 2,690
	5,900	8,200 - 8,300	10,600 - 10,800	11,400 - 30,600	740 - 2,560
9 + 9 + 9	7,300 - 7,866	7,300 - 7,900	7,333 - 7,900	12,600 - 27,000	1,000 - 2,950
	8,200 - 8,333	8,200 - 8,333	8,200 - 8,333	11,400 - 30,600	740 - 2,600

