

SUBMITTAL DATA: MXZ-3B30NA MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For ☐ Reference ☐ Approval ☐ Construction	
System Designation:	Schedule No.:	

GENERAL FEATURES

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



Outdoor Unit: MXZ-3B30NA

OPTIONAL OUTDOOR UNIT 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)
- ☐ 1/4" x 3/8" Port Adapter (PAC-493PI)
- ☐ 3/8" x 5/8" Port Adapter (PAC-SG76RJ-E)

Cooling*

Rated Capacity (Non-ducted/Ducted) . . . 28,400 Btu/h / 27,400 Btu/h
Minimum Capacity (Non-ducted/Ducted) . . 12,600 Btu/h / 12,600 Btu/h
Total Input (Non-ducted/Ducted) 3,120 W / 3,330 W

Heating at 47°F*

Rated Capacity (Non-ducted/Ducted) . . . 28,600 Btu/h / 27,600 Btu/h
Minimum Capacity (Non-ducted/Ducted) . . 11,400 Btu/h / 11,400 Btu/h
Total Input (Non-ducted/Ducted) 2,150 W / 2,220 W

Heating at 17°F*

Rated Capacity (Non-ducted/Ducted) ...16,000 Btu/h / 15,100 Btu/h
Total Input (Non-ducted/Ducted) 2,120 W / 2,190 W
* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB / 67°F (19°C) WB, Outdoor: 95°F (35°C) DB / 75°F (24°C) WB.
(Heating) - Indoor: 70°F (21°C) DB / 60°F (16°C) WB, 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, Outdoor: 17°F (-8°C) DB / 15°F (-9°C) WB.

(For data on specific indoor units [all ducted, all non-ducted, and both ducted and non-ducted] combinations, see the Technical and Service Manuals.)

COMPATIBLE INDOOR UNITS

Horizontal-ducted Indoor Units: SEZ-KD09,12,15,18NA and PEAD-A24AA



Wall-mounted Indoor Units:
MSZ-GE06,09,12,15,18, 24NA



Wall-mounted Indoor Units: MSZ-FE09,12,18NA



Floor-standing Indoor Units:
MFZ-KA09,12,18NA



Ceiling-suspended Indoor Units:
PCA-A24KA



Ceiling-cassette Indoor Units:
SLZ-KA09,12,15NA and PLA-A18,24BA


Electrical Requirements

Power Supply 208 / 230V, 1-Phase, 60 Hz
Recommended Fuse/Breaker Size. 20 A
MCA 15 A

Voltage

Indoor - Outdoor S1-S2 AC 208 / 230V
Indoor - Outdoor S2-S3 DC 12 - 24V

OPERATING RANGE

		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

Compressor DC Inverter-driven Twin Rotary
Fan Motor 0.93 F.L.A.

Sound Pressure Level

Cooling (Non-ducted/Ducted) 49 dB(A)
Heating (Non-ducted/Ducted) 49 dB(A)

DIMENSIONS	INCHES / MM
W	35-7/16 / 900
D	12-5/8 / 321
H	35-7/16 / 900

Weight 150 lbs. / 68 kg
External Finish Munsell No. 3Y 7.8 / 1.1
Refrigerant Type R410A
Refrigerant Pipe Size O.D. — Three Ports
Gas Side A: 1/2" / 12.7mm; B,C: 3/8" / 9.52 mm
Liquid Side 1/4" / 6.35 mm
Max. Refrigerant Pipe Length 230' / 70 m
Max. Piping Length for Each Indoor Unit 82' / 25 m
Max. Refrigerant Pipe Height Difference
If Indoor Unit is Above Outdoor Unit 49' / 15 m
If Indoor Unit is Below Outdoor Unit 33' / 10 m
Connection Method Flared

MXZ-3B30NA ENERGY EFFICIENCIES

Indoor Unit Type	SEER	EER	HSPF	COP @ 47°F	COP @ 17°F
Non-ducted (06 + 06 + 09)	17.5	9.1	10.5	3.9	2.77
Ducted and Non-ducted	16	8.7	10.0	3.8	2.775
Ducted (09 + 09 + 09)	14.5	8.2	9.5	3.64	2.78

Refer to the separate submittal forms for the SEZ, PEAD, MSZ, MFZ, PCA, SLZ, and PLA Indoor Units.

MXZ-3B30NA OPERATION PERFORMANCE

- Minimum of two Indoor Units must be connected to the MXZ-3B30NA.
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- System can operate with only one Indoor Unit turned on (see table below for single Indoor Unit performance).
- Indoor Units can be All Non-ducted, All Ducted, or a Combination of Non-ducted and Ducted (Select style as installation requires).
- Information provided at 208/230V. Refer to the MXZ Outdoor Unit Service Manual for detailed specifications and additional information per Indoor Unit Combination.

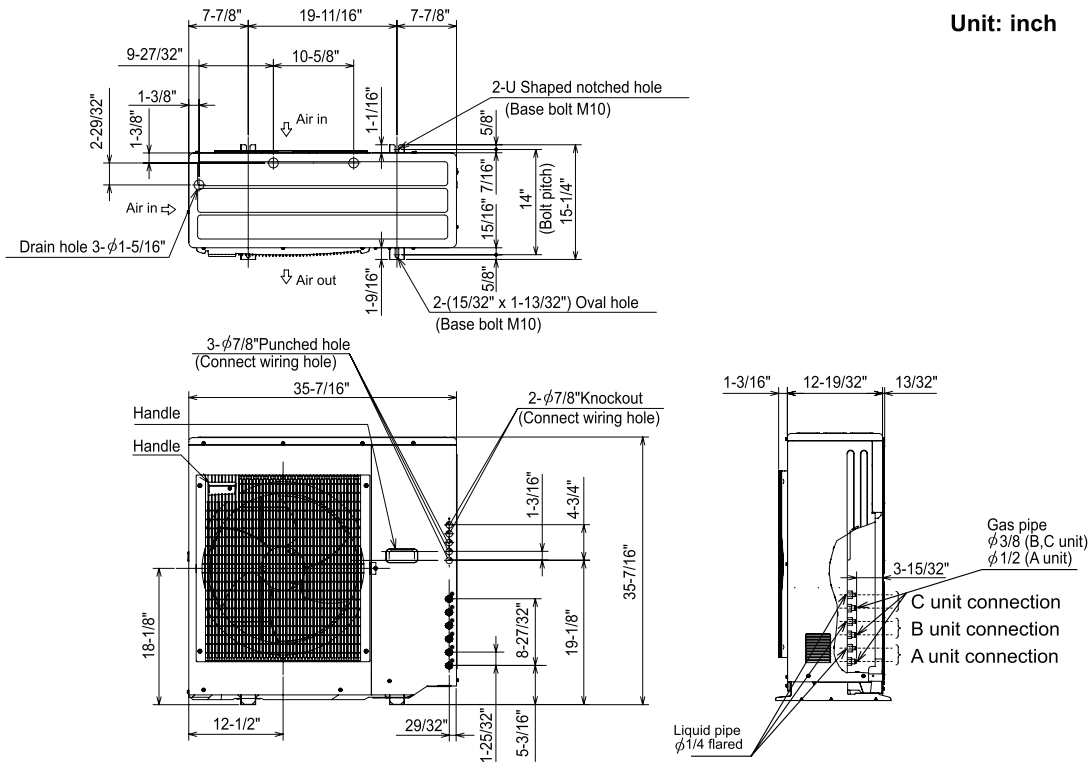
Operation Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C)	Cooling Capacity Range (Btu/h)				Power Usage Range (W)
	Heating Capacity Range (Btu/h)				
	Unit A	Unit B	Unit C	Total Range	
6	6,500	-	-	5,200 - 6,500	460 - 580
	7,800	-	-	6,800 - 14,400	540 - 1,460
9	9,000	-	-	7,200 - 9,000	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	580 - 1,590
	21,600	-	-	8,600 - 24,900	780 - 2,770
24	22,000	-	-	7,200 - 22,000	580 - 2,200
	23,200	-	-	8,600 - 27,800	780 - 3,000
6 + 6	6,500	6,500	-	12,000 - 13,000	920 - 960
	7,800	7,800	-	11,000 - 31,000	740 - 2,560
6 + 9	6,500	9,000	-	12,000 - 15,500	920 - 1,260
	7,800	10,900	-	11,000 - 31,000	740 - 2,560
6 + 12	6,500	12,000	-	12,000 - 18,500	920 - 1,600
	7,800	13,600	-	11,000 - 31,000	740 - 2,560
6 + 15	6,500	14,000 - 15,000	-	12,000 - 21,500	920 - 1,940
	7,800	18,000	-	11,000 - 33,000	740 - 2,800
6 + 18	6,500	17,200	-	12,000 - 23,700	920 - 2,460
	7,200	19,800	-	11,000 - 35,000	740 - 2,920
6 + 24	5,900	20,100	-	12,000 - 26,000	920 - 2,800
	6,800	20,200	-	11,000 - 35,000	740 - 2,860
9 + 9	9,000	9,000	-	12,000 - 18,000	920 - 1,840
	10,900	10,900	-	11,000 - 31,000	740 - 2,560
9 + 12	9,000	12,000	-	12,000 - 21,000	920 - 2,040
	10,900	13,600 - 14,400	-	11,000 - 33,000	740 - 2,800
9 + 15	9,000	15,000	-	12,000 - 24,000	920 - 2,540
	10,100	16,900	-	11,000 - 35,000	740 - 2,920
9 + 18	8,900	17,100	-	12,000 - 26,000	920 - 2,840
	9,000	18,000	-	11,000 - 35,000	740 - 2,920
9 + 24	7,600	20,400	-	12,000 - 28,000	920 - 3,220
	7,300	19,700	-	11,000 - 35,000	740 - 2,740
12 + 12	12,000	12,000	-	12,000 - 24,000	920 - 2,540
	13,500	13,100 - 13,500	-	11,000 - 35,000	740 - 2,920
12 + 15	11,500	14,500	-	12,000 - 26,000	920 - 2,840
	11,600 - 12,000	15,000 - 15,400	-	11,000 - 35,000	740 - 2,860
12 + 18	10,400	15,600	-	12,000 - 26,000	920 - 2,840
	10,400 - 10,800	16,200 - 16,600	-	11,000 - 35,000	740 - 2,860
15 + 15	13,000	13,000	-	12,000 - 26,000	920 - 2,840
	13,500	13,500	-	11,000 - 35,000	740 - 2,800
15 + 18	11,700 - 11,800	14,200 - 14,300	-	12,000 - 26,000	920 - 2,840
	12,300	14,700	-	11,000 - 35,000	740 - 2,800
18 + 18	13,000	13,000	-	12,000 - 26,000	920 - 2,840
	13,500	13,500	-	11,000 - 35,000	740 - 2,800

MXZ-3B30NA OPERATION PERFORMANCE, contd.

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 + 6	6,500	6,500	6,500	12,600 - 19,500	1,000 - 1,600
	7,800	7,800	7,800	11,400 - 36,000	740 - 2,820
6 + 6 + 9	6,500	6,500	9,000	12,600 - 22,000	1,000 - 1,940
	7,800	7,800	10,900	11,400 - 36,000	740 - 2,820
6 + 6 + 12	6,500	6,500	12,000	12,600 - 25,000	1,000 - 2,330
	7,450 - 7,650	7,450 - 7,650	13,300 - 13,700	11,400 - 36,000	740 - 2,820
6 + 6 + 15	6,500	6,500	14,000 - 15,000	12,600 - 28,000	1,000 - 2,580
	6,650	6,650	15,300	11,400 - 36,000	740 - 2,820
6 + 6 + 18	6,100	6,100	16,200	12,600 - 28,400	1,000 - 3,190
	6,000	6,000	16,600	11,400 - 36,000	740 - 2,820
6 + 9 + 9	6,500	9,000	9,000	12,600 - 24,500	1,000 - 2,290
	7,600	10,000 - 10,500	10,000 - 10,500	11,400 - 36,000	740 - 2,820
6 + 9 + 12	6,500	9,000	12,000	12,600 - 27,500	1,000 - 2,690
	6,800 - 6,900	8,900 - 9,700	12,000 - 12,400	11,400 - 36,000	740 - 2,820
6 + 9 + 15	6,000 - 6,200	7,900 - 8,700	13,500 - 14,000	12,600 - 28,400	1,000 - 3,260
	6,100	8,000 - 8,500	14,000	11,400 - 36,000	740 - 2,820
6 + 9 + 18	5,600	7,300 - 7,600	15,000	12,600 - 28,400	1,000 - 3,260
	5,600	7,200 - 7,700	15,300	11,400 - 36,000	740 - 2,820
6 + 12 + 12	6,000	11,200	11,200	12,600 - 28,400	1,000 - 3,260
	6,100 - 6,400	11,100 - 11,500	10,900 - 11,250	11,400 - 36,000	740 - 2,820
6 + 12 + 15	5,500 - 5,700	10,200 - 10,500	12,600 - 12,700	12,200 - 28,400	1,000 - 3,260
	5,550 - 5,600	9,900 - 10,250	12,800 - 13,100	11,400 - 36,000	740 - 2,820
6 + 15 + 15	5,000 - 5,400	11,200 - 11,700	11,500 - 12,000	12,600 - 28,400	1,000 - 3,260
	5,100	11,750	11,750	11,400 - 36,000	740 - 2,820
9 + 9 + 9	8,500 - 9,000	8,500 - 9,000	8,500 - 9,000	12,600 - 27,000	1,000 - 2,950
	9,000 - 9,500	9,000 - 9,500	9,000 - 9,500	11,400 - 36,000	740 - 2,820
9 + 9 + 12	8,000 - 8,500	8,000 - 8,500	11,400	12,600 - 28,400	1,000 - 3,330
	8,100 - 8,800	8,100 - 8,800	11,000 - 11,400	11,400 - 36,000	740 - 2,820
9 + 9 + 15	7,250 - 8,000	7,250 - 8,000	12,400 - 12,900	12,600 - 28,400	1,000 - 3,330
	7,300 - 7,800	7,300 - 7,800	13,000	11,400 - 36,000	740 - 2,820
9 + 9 + 18	6,600 - 7,100	6,600 - 7,100	14,200	12,600 - 28,400	1,000 - 3,330
	6,700 - 7,200	6,700 - 7,200	14,200	11,400 - 36,000	740 - 2,820
9 + 12 + 12	7,300 - 7,800	10,300	10,300	12,600 - 28,400	1,000 - 3,330
	7,300 - 8,200	10,200 - 10,600	10,000 - 10,400	11,400 - 36,000	740 - 2,820
9 + 12 + 15	6,600 - 7,300	9,500 - 9,700	11,400 - 11,800	12,600 - 28,400	1,000 - 3,330
	6,700 - 7,300	9,200 - 9,500	11,900 - 12,100	11,400 - 36,000	740 - 2,820

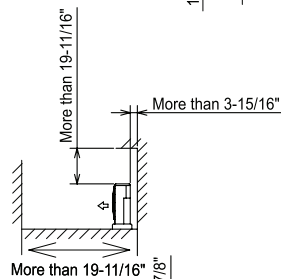
DIMENSIONS: MXZ-3B30NA

Unit: inch

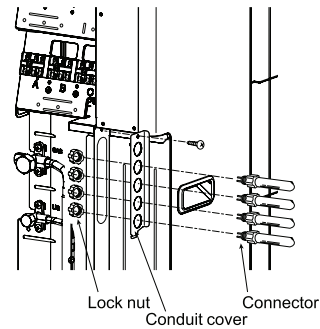
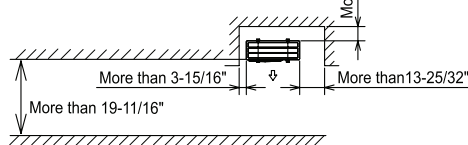


1. Installation space

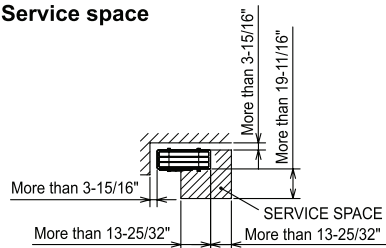
Note : Leave both sides free of obstruction.



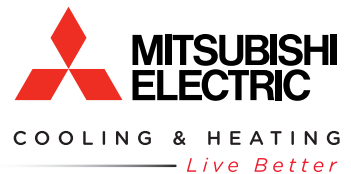
Note : Leave overhead free of obstruction.



2. Service space



Intertek



3400 Lawrenceville Suwanee Rd
Suwanee, GA 30024
Tele: 678-376-2900 • Fax: 800-889-9904
Toll Free: 800-433-4822 (#3)
www.mehvac.com
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