

SUBMITTAL DATA: MXZ-2B20NA
MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

Job Name: _____	Location: _____	Date: _____
Purchaser: _____	Engineer: _____	
Submitted to: _____	For ☐ Reference ☐ Approval ☐ Construction	
Unit 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 a 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-2B20NA

OPTIONAL OUTDOOR UNIT ACCESSORIES

- Air Outlet Guide (MAC-889SG)
- 3/8" x 1/2" Port Adapter (MAC-A454JP-E; for use with 15,000 Btu/h Indoor units)

Cooling*

Rated Capacity (Non-ducted/Ducted) . . . 18,000 Btu/h / 20,000 Btu/h
Minimum Capacity (Non-ducted/Ducted) . . . 7,800 Btu/h / 7,800 Btu/h
Total Input (Non-ducted/Ducted) 1,440 W / 2,190 W

Heating at 47°F*

Rated Capacity (Non-ducted/Ducted) . . . 22,000 Btu/h / 22,000 Btu/h
Minimum Capacity (Non-ducted/Ducted) . . . 8,500 Btu/h / 8,500 Btu/h
Total Input (Non-ducted/Ducted) 1,650 W / 1,780 W

Heating at 17°F*

Rated Capacity (Non-ducted/Ducted) . . . 12,500 Btu/h / 12,500 Btu/h
Total Input (Non-ducted/Ducted) 1,350 W / 1,430 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 MXZ Technical and Service Manual.)

Electrical Requirements

Power Supply 208 / 230V, 1-Phase, 60 Hz
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	14°F (-10°C) DB, 12°F (-11°C) WB

Compressor DC Inverter-driven Twin Rotary
Fan Motor 0.96 F.L.A.

Sound Pressure Level

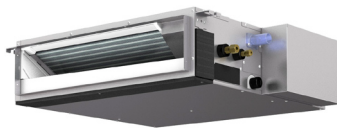
Cooling (Non-ducted/Ducted) 49 dB(A)
Heating (Non-ducted/Ducted) 51 dB(A)

DIMENSIONS	INCHES / MM
W	33-1/16 / 840
D	13 / 330
H	27-15/16 / 710

Weight 130 lbs. / 59 kg
External Finish Munsell No. 5Y 8.0 / 1.0
Refrigerant Type R410A
Refrigerant Pipe Size O.D. — Two Ports
Gas Side A, B: 3/8" / 9.52 mm
Liquid Side 1/4" / 6.35 mm
Max. Refrigerant Pipe Length 164' / 50 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

COMPATIBLE INDOOR UNITS AND ASSOCIATED REMOTE CONTROLLERS

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



Wall-mounted Indoor Units: MSZ-A09,12,15,17NA and MSZ-GE09,12,15,18NA



Wall-mounted Indoor Units: MSZ-FD09,12NA and MSZ-FE09,12NA



Wireless Remote Controller - Packaged with MSZ-A, -GE-FD, and -FE (Optional Wired PAR-21-MAA Remote Controller)

MXZ-2B20NA ENERGY EFFICIENCIES

Indoor Unit Type	SEER	HSPF
Non-ducted	18	8.9
Ducted and Non-ducted	16.7	8.7
Ducted	15.5	8.5

MXZ-2B20 Combinations* (with wall-mounted and/or horizontal-ducted indoor units)

Indoor Unit (Unit A + Unit B) Combinations	Cooling Capacity (Btu/h)			Power Usage (W)
	Unit A	Unit B	Total	
9 + 9	9,000	9,000	18,000	1,440 - 1,780
	Wall: 11,000 Ducted: 10,900	Wall: 11,000 Ducted: 10,900	All Wall-mounted MSZ: 22,000 All Ducted SEZ: 21,800 Combination: 21,900	1,650 - 1,820
9 + 12	8,500 9,500	11,500 12,500	20,000 22,000	1,660 - 2,190 1,650 - 1,780
9 + 15	7,500 8,250	12,500 13,750		1,630 - 2,190 1,650 - 1,780
12 + 12	10,000 11,000	10,000 11,000		

* Information provided at 208/230V.

SYSTEM COMPONENTS

Outdoor Unit MXZ-2B20NA
Indoor Unit Two Indoor Units

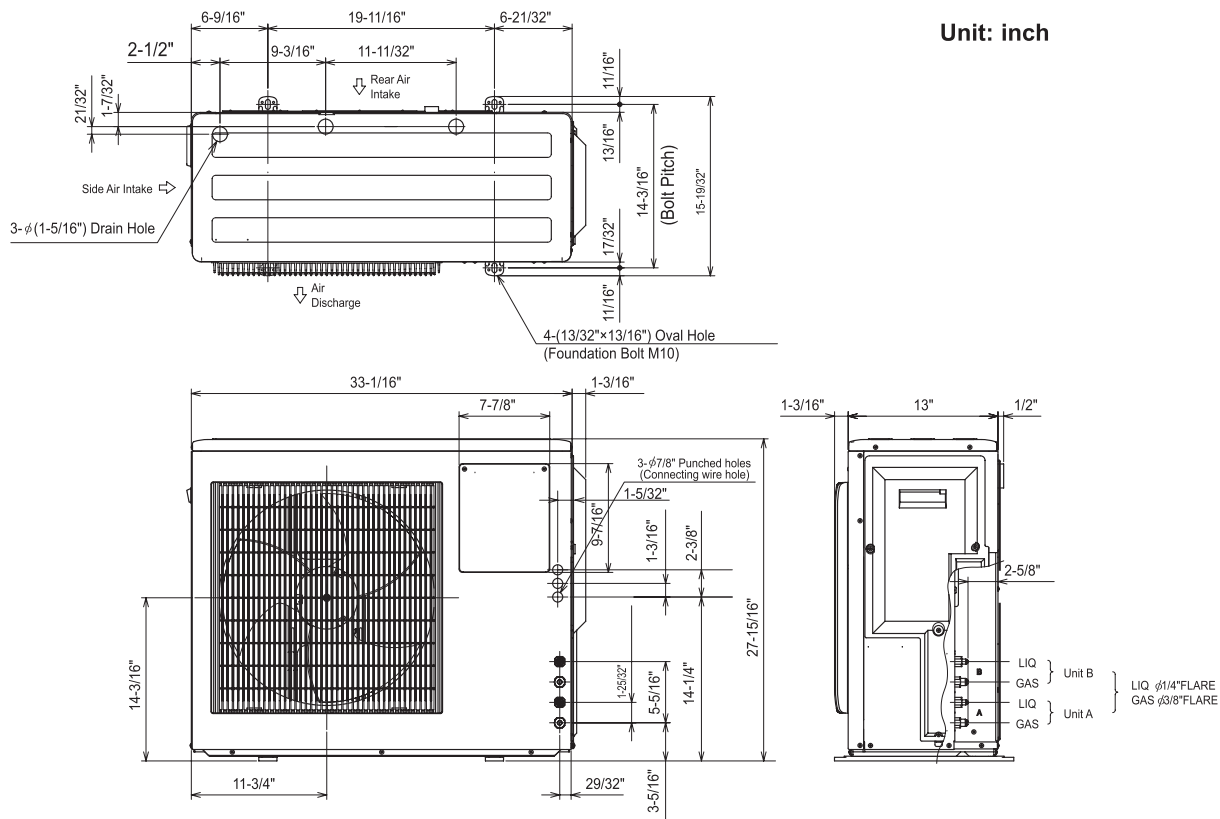
Necessary (Select Style as Installation Requires)



Refer to the separate submittal forms for the SEZ and MSZ Indoor Units.

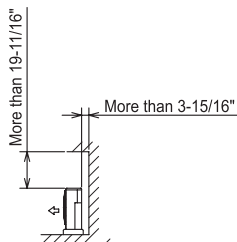
DIMENSIONS: MXZ-2B20NA

Unit: inch

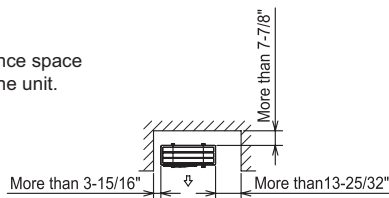


1. Installation space

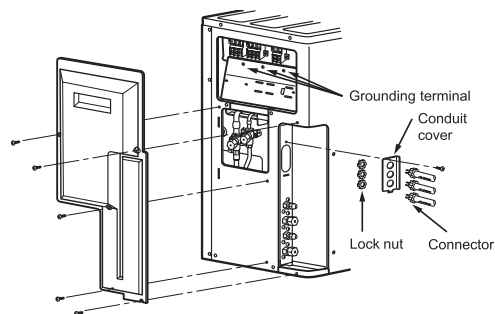
Note: Include enough clearance space in the front and both sides of the unit.



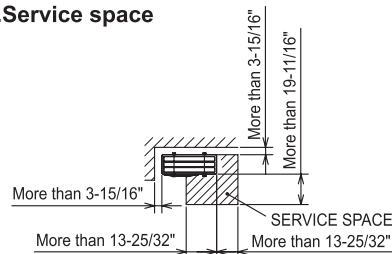
Note: Include enough clearance space in the front and top of the unit.



Note: Include enough clearance space in the back, top, and both sides of the unit.



2. Service space



HVAC Advanced Products Division
3400 Lawrenceville Suwanee Rd
Suwanee, GA 30024
Tele: 678-376-2900 • Fax: 800-889-9904
Toll Free: 800-433-4822 (#3)
www.mehvac.com
Specifications are subject to change without notice.