

SUBMITTAL DATA: MXZ-2A20NA
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: one year on parts and defects and six years on compressor



Outdoor Unit: MXZ-2A20NA

OPTIONAL OUTDOOR UNIT ACCESSORY

- Air Outlet Guide (MAC-889SG)

Cooling*

Rated Capacity (Non-ducted/Ducted) . . . 20,000 Btu/h / 20,000 Btu/h
 Minimum Capacity (Non-ducted/Ducted) . . . 7,800 Btu/h / 7,800 Btu/h
 Total Input (Non-ducted/Ducted) 2,150 W / 2,150 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) 1,780 W / 1,780 W

Heating at 17°F*

Rated Capacity (Non-ducted/Ducted) . . . 14,500 Btu/h / 12,500 Btu/h
 Total Input (Non-ducted/Ducted) 1,500 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 49 dB(A)
 Heating 51 dB(A)

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

Weight 130 lbs. / 59 kg
 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

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


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

MXZ-2A20NA ENERGY EFFICIENCIES

Indoor Unit Type	SEER	HSPF
Non-ducted	16	8.5
Ducted and Non-ducted	15.5	8.5
Ducted	15.5	8.5

MXZ-2A20 Combinations* (with wall-mounted and/or horizontal-ducted indoor units)

Indoor Unit (Unit A + Unit B) Combinations	Cooling Capacity (Btu/h)			Power Usage (W)
	Heating Capacity (Btu/h)			
	Unit A	Unit B	Total	
9 + 9	9,000	9,000	18,000	1,740 - 1,780 1,820
	10,900	10,900	21,800	
9 + 12	8,500	11,500	20,000	2,150 - 2,190 1,780
	9,500	12,500		
9 + 15	7,500	12,500	22,000	2,150 - 2,190 1,780
	8,250	13,750		
12 + 12	10,000	10,000	20,000	2,150 - 2,190 1,780
	11,000	11,000		

* Information provided at 208/230V.

SYSTEM COMPONENTS

Outdoor Unit MXZ-2A20NA

Indoor Unit Two Indoor Units

Necessary (Select Style as Installation Requires)



