

Job Name:	
System Reference:	Date:



Outdoor Unit: MXZ-2C20NAHZ

### ACCESSORIES

The outdoor unit is delivered with the base pan heater factory installed.

- Airflow Guide (PAC-SH96SG-E)
- 3/8" x 1/2" Port Adapter  
(MAC-A454JP; for use with 15,000 Btu/h Indoor units)
- M-NET Adapter (PAC-IF01MNT-E)

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

Specifications			Model Name
Unit Type			MXZ-2C20NAHZ
<b>Cooling*</b> (Non-ducted / Ducted)	Rated Capacity	Btu/h	18,000 / 20,000
	Capacity Range	Btu/h	6,000 - 20,000
	Rated Total Input	W	1,334 / 1,819
<b>Heating at 47°F*</b> (Non-ducted / Ducted)	Rated Capacity	Btu/h	22,000 / 22,000
	Capacity Range	Btu/h	7,400 - 25,500
	Rated Total Input	W	1,612 / 1,748
<b>Heating at 17°F*</b> (Non-ducted/Ducted)	Rated Capacity	Btu/h	13,700 / 13,700
	Maximum Capacity	Btu/h	22,000 / 22,000
	Rated Total Input	W	1,450 / 1,588
<b>Heating at 5°F*</b>	Maximum Capacity	Btu/h	22,000
<b>Energy Star®</b> (ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.)			Yes
<b>Electrical Requirements</b>	<b>Power Supply</b>	<b>Voltage, Phase, Hertz</b>	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	40
	MCA	A	28.9
<b>Voltage</b>	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	DC ±24
<b>Compressor</b>			DC INVERTER-driven Twin Rotary
<b>Fan Motor (ECM)</b>		F.L.A.	1.9
<b>Sound Pressure Level</b>	Cooling	dB(A)	54
	Heating		58
<b>External Dimensions (H x W x D)</b>		In / mm	41-9/32 x 37-13/32 x 13 1048 x 950 x 330
<b>Net Weight</b>		Lbs / kg	187 / 85
<b>External Finish</b>			Munsell No. 3Y 7.8/11
<b>Refrigerant Pipe Size O.D.</b>	Liquid (High Pressure)	In / mm	1/4 / 6.35
	Gas (Low Pressure)		A,B: 3/8 / 9.52
<b>Max. Refrigerant Line Length</b>		Ft / m	164 / 50
<b>Max. Piping Length for Each Indoor Unit</b>		Ft / m	82 / 25
<b>Max. Refrigerant Pipe Height Difference</b>	If IDU is Above ODU	Ft / m	49 / 15
	If IDU is Below ODU		49 / 15
<b>Connection Method</b>			Flared/Flared
<b>Refrigerant</b>			R410A

\* Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB  
Cooling | Outdoor: 95° F (35° C) DB / W.B. 23.9° C (75° F)

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  
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

# SPECIFICATIONS: MXZ-2C20NAHZ , contd.

**OPERATING RANGE:**

	Outdoor
Cooling	D.B. 14 to 115° F [ D.B. -10 to 46° C]*1
Heating	W.B. -13 to 65° F [ W.B. -25 to 18° C ]

\*1. D.B. 5 to 115° F [ D.B. -15 to 46° C ], when an optional Air Outlet Guide is installed.

**ENERGY EFFICIENCIES:**

Indoor Unit Type	SEER	EER	HSPF	COP @ 47°F	COP @ 17°F
<b>Non-ducted (09 + 09)</b>	17.0	13.5	9.8	4.00	2.77
<b>Ducted and Non-ducted</b>	16.00	12.25	9.65	3.85	2.65
<b>Ducted (09 + 12)</b>	15.0	11.0	9.5	3.69	2.53

**NOTES:**

- Minimum of two Indoor Units must be connected to the MXZ-2C20NAHZ.
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- Total connected capacity must not exceed 130% of outdoor unit capacity.
- System can operate with only one Indoor Unit turned on.
- Information provided at 208/230V.
- For Reference:
  - MXZ-C Technical & Service Manual for detailed specifications and additional information per Indoor Unit Combination.
  - MXZ Series Multi-Zone Indoor/Outdoor Combination Table for allowed unit combinations.

**MVZ CONNECTION RULES:**

- Only 1 MVZ may be used on any system.
- When an MVZ is connected, total connected capacity must be 100% or less.
- When an MVZ is connected, no P-Series indoor units can be used (PCA, PLA, or PEAD).

Notes:

# MXZ-2C20NAHZ OPERATIONAL PERFORMANCE

**NON-DUCTED:**

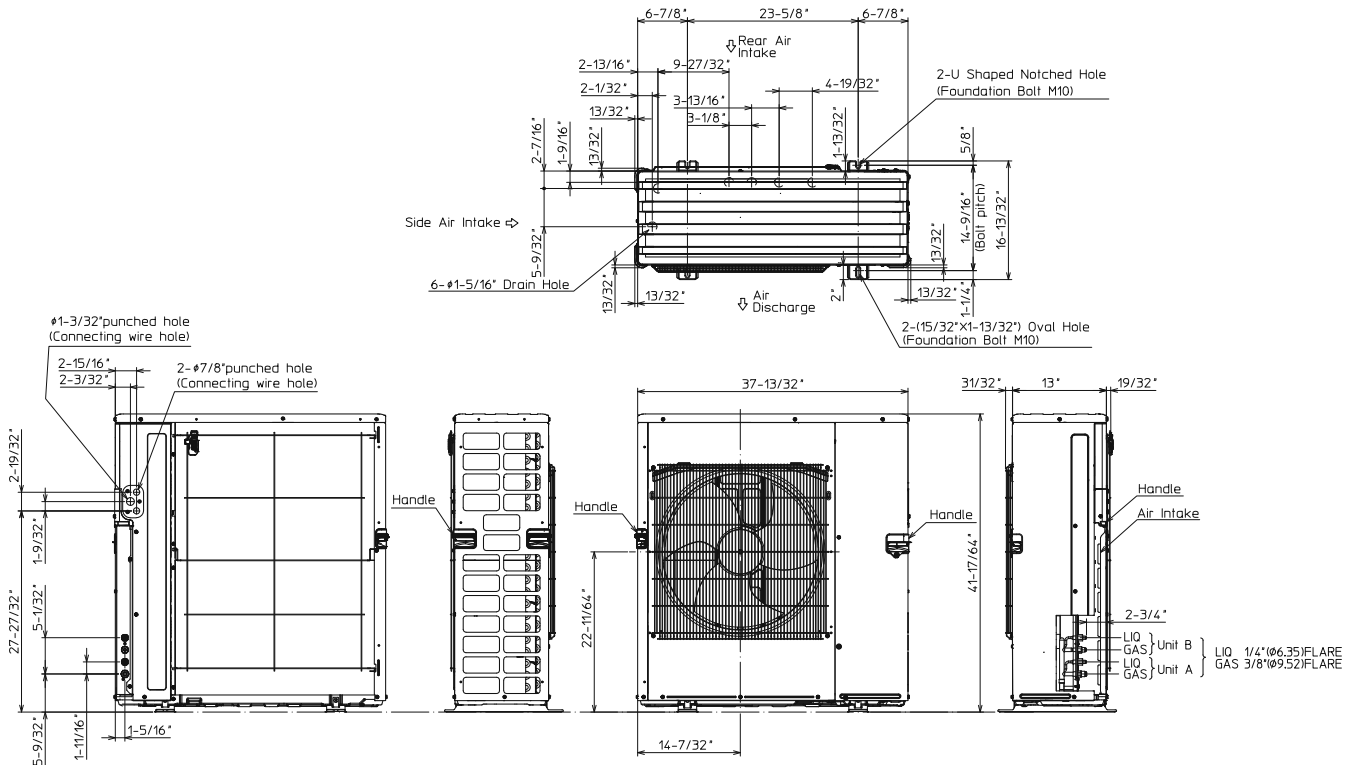
# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C)	Cooling Capacity Range (Btu/h)		
				Heating Capacity Range (Btu/h)		
				Unit A	Unit B	Unit C
1	6	6,000	6	6,000	-	-
		7,400		7,400	-	-
1	9	9,000	9	9,000	-	-
		11,000		11,000	-	-
1	12	12,000	12	12,000	-	-
		14,400		14,400	-	-
1	15	14,000	15	14,000	-	-
		18,000		18,000	-	-
2	12	12,000	6 + 6	6,000	6,000	-
		14,800		7,400	7,400	-
2	15	15,000	6 + 9	6,000	9,000	-
		18,400		7,400	11,000	-
2	18	18,000	6 + 12	6,000	12,000	-
		22,000		7,500	14,500	-
2	21	20,000	6 + 15	6,000	14,000	-
		22,000		6,400	15,600	-
2	18	18,000	9 + 9	9,000	9,000	-
		22,000		11,000	11,000	-
2	21	20,000	9 + 12	8,600	11,400	-
		22,000		9,500	12,500	-
2	24	20,000	9 + 15	7,800	12,200	-
		22,000		8,300	13,700	-
2	24	20,000	12 + 12	10,000	10,000	-
		22,000		11,000	11,000	-

**DUCTED:**

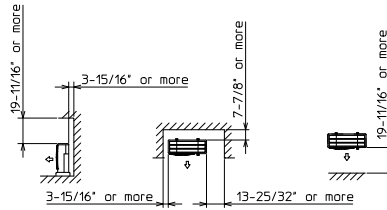
# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C)	Cooling Capacity Range (Btu/h)		
				Heating Capacity Range (Btu/h)		
				Unit A	Unit B	Unit C
1	9	9,000	9	9,000	-	-
		10,900		10,900	-	-
1	12	12,000	12	12,000	-	-
		13,600		13,600	-	-
1	15	15,000	15	15,000	-	-
		18,000		18,000	-	-
2	18	18,000	9 + 9	9,000	9,000	-
		21,800		10,900	10,900	-
2	21	20,000	9 + 12	8,600	11,400	-
		22,000		9,800	12,200	-
2	24	20,000	9 + 15	7,500	12,500	-
		22,000		8,300	13,700	-
2	24	20,000	12 + 12	10,000	10,000	-
		22,000		11,000	11,000	-

# DIMENSIONS: MXZ-2C20NAHZ

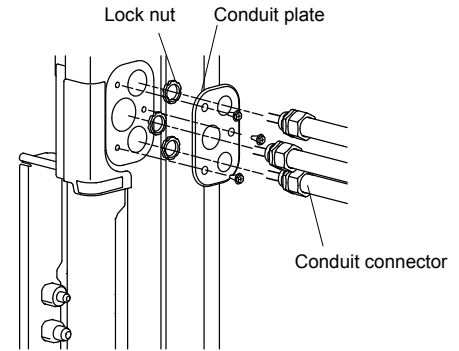
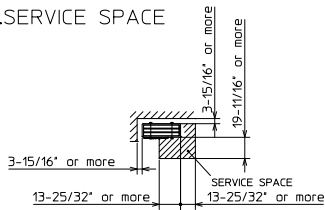
Unit: inch (mm)



### 1. FREE SPACE



### 2. SERVICE SPACE



COOLING & HEATING

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