

SUBMITTAL DATA: MXZ-4C36NA

MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

Job Name:

System Reference:

Date:

GENERAL FEATURES

- Quiet Operation
- Optional base pan heater to prevent ice in drain pan
- Limited warranty: five years parts and seven years compressors

ACCESSORIES

- Distribution Pipe for Flare Connection (MSDD-50AR; necessary for installing two branch boxes)
- Distribution Pipe for Brazed Connection (MSDD-50BR; necessary for installing two branch boxes)
- 3/8" x 1/2" Port Adapter (MAC-A454JP)
- 1/2" x 3/8" Port Adapter (MAC-A455JP)
- 1/2" x 5/8" Port Adapter (MAC-A456JP)
- 1/4" x 3/8" Port Adapter (PAC-493PI)
- 3/8" x 5/8" Port Adapter (PAC-SG76RJ)
- M-NET Adapter (PAC-IF01MNT-E)
- Base Heater (PAC-645BH-E)



Outdoor Unit: MXZ-4C36NA




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

Specifications			Model Name
Unit Type			MXZ-4C36NA
Cooling* (Non-ducted / Ducted)	Rated Capacity	Btu/h	35,400 / 34,400
	Capacity Range	Btu/h	12,600-36,400 / 12,600-34,800
	Rated Total Input	W	3,760 / 3,940
Heating at 47°F* (Non-ducted / Ducted)	Rated Capacity	Btu/h	36,000 / 34,400
	Capacity Range	Btu/h	11,400-43,000 / 11,400-41,400
	Rated Total Input	W	3,020 / 3,100
Heating at 17°F* (Non-ducted/Ducted)	Rated Capacity	Btu/h	22,200 / 20,300
	Rated Total Input	W	3,340 / 3,450
Electrical Requirements	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	25
	MCA	A	22.1
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	DC ±24
Compressor			INVERTER-driven Scroll Hermetic
Fan Motor (ECM)		F.L.A.	1.9
Sound Pressure Level	Cooling		54
	Heating	dB(A)	56
External Dimensions (H x W x D)		In (mm)	31-11/32 x 37-13/32 x 13 (796 x 950 x 330)
Net Weight		Lbs (kg)	137 (62)
External Finish			Munsell 3.0Y 7.8/1.1
Refrigerant Pipe Size O.D. — Eight Ports	Liquid (High Pressure)	In (mm)	1/4 (12.7)
	Gas (Low Pressure)		A: 1/2 (6.35) ; B,C,D: 3/8 (9.52)
Max. Refrigerant Line Length		Ft (m)	230 (70)
Max. Piping Length for Each Indoor Unit		Ft (m)	82 (25)
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft (m)	49 (15)
	If IDU is Below ODU		49 (15)
Connection Method			Flared/Flared
Refrigerant			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 / 23.9° C (75° F) 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
 Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

SPECIFICATIONS: MXZ-4C36NA, contd.

Operating Range:

Outdoor	
Cooling	14 to 115° F (-10 to 46° C) DB
Heating	5 to 65° F (-15 to 18° C) WB

Energy Efficiencies:

Indoor Unit Type	SEER	EER	HSPF	COP @ 47°F	COP @ 17°F
Non-ducted	19.2	9.4	11.0	3.50	2.67
Ducted and Non-ducted	17.6	9.05	10.4	3.38	2.61
Ducted	16.0	8.7	9.8	3.25	2.54

Multi-zone Indoor/Outdoor Combination Table

	MSZ-FH*	MSZ-GE*	MFZ*	MVZ*	SEZ-KD*	SLZ*	PCA (A24)*	PLA*	PEAD*
MXZ-4C36NA	OK	OK	OK	12,18,24 OK 30, 36 NO	OK	OK	NO	18, 24 OK 30, 36 NO	24 OK 30, 36 NO

* Refer to indoor unit submittal.

Notes:

- Minimum of two Indoor Units must be connected to the MXZ-4C36NA.
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- System can operate with only one Indoor Unit turned on.
- May connect to any style indoor unit or combination.
- Information provided at 208/230V.
Refer to the MXZ-C Technical & Service Manual for detailed specifications and additional information per Indoor Unit Combination.

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: