M-SERIES

SUBMITTAL DATA: MXZ-8C48NAHZ
4-TON MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:

Outdoor Unit: MXZ-8C48NAHZ

ACCESSORIES
- □ Three-port Branch Box (PAC-MKA30BC)
- □ Five-port Branch Box (PAC-MKA50BC)
- □ 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)
- □ Airflow Guide (PAC-SH96SG-E)

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

Specifications			Model Name
Unit Type			MXZ-8C48NAHZ
Cooling* (Non-ducted / Ducted)	Rated Capacity	Btu/h	48,000 / 48,000
	Capacity Range	Btu/h	6,000 - 48,000
	Rated Total Input	W	4,000 / 5,050
Heating at 47°F* (Non-ducted / Ducted)	Rated Capacity	Btu/h	54,000 / 54,000
	Capacity Range	Btu/h	7,200 - 54,000
	Rated Total Input	W	4,220 / 4,990
Heating at 17°F* (Non-ducted/Ducted)	Rated Capacity	Btu/h	40,000 / 43,000
	Maximum Capacity	Btu/h	54,000 / 54,000
	Rated Total Input	W	4,340 / 5,250
Heating at 5°F*	Maximum Capacity	Btu/h	54,000
Electrical Requirements	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	50
	MCA	A	42
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	DC ±24
Compressor			Hermetic
Fan Motor (ECM)		F.L.A.	0.4+0.4
Sound Pressure Level	Cooling	dB(A)	51
	Heating		54
External Dimensions (H x W x D)		In / mm	52-11/16 x 41-11/32 x 13+1 1338 x 1050 x 330+25
Net Weight		Lbs / kg	276 / 125
External Finish			Munsell No. 3Y 7.8/11
Refrigerant Pipe Size O.D.	Liquid (High Pressure)	In / mm	3/8 / 9.52
	Gas (Low Pressure)		5/8 / 15.88
Max. Refrigerant Line Length		Ft / m	492 (150)
Max. Piping Length between outdoor unit and branch boxes		Ft / m	180 (55)
Max. Piping Length after branch box		Ft / m	82 (25)
Max. Total Piping Length between branch boxes and indoor units		Ft / m	311 (95)
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft / m	131 (40)
	If IDU is Below ODU		164 (50)
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 / 75° F (24° C) WB

Heating at 47°F | Indoor: 70° F (21° C) DB
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 are subject to change without notice.

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M-SERIES

SUBMITTAL DATA: SEZ-KD18NA4**

18,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT FOR MXZ MULTI-ZONE HEAT-PUMP SYSTEMS

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:

**APPLIES TO INDOOR UNIT:
- □ SEZ-KD18NA4
- □ SEZ-KD18NA4.TH
- □ SEZ-KD18NAR1.TH
- □ SEZ-KD18NA4R1.TH

Indoor Unit: SEZ-KD18NA4**

GENERAL FEATURES
- Horizontal-ducted indoor unit for concealed applications
- Ultra thin body: 7-7/8" high
- Built-in drain mechanism for condensate removal; lifts to 21-11/16"
- Air filter is included with indoor unit
- Quiet operation — as low as 23 dBA
- Indoor unit powered from outdoor unit using A-Control
- AUTO fan speed control
- Automatic restart following a power outage
- Limited warranty: five years parts and seven years compressors

ACCESSORIES
Indoor Unit
- □ Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- □ Condensate Pump (Sauermann SI30-115/230; 115/230V)
- □ Filter Box with MERV 8 Filters (FBL1-3)
- □ Bottom Return Plate (BRP-3)

Controller Options
- □ Wireless Controller (MHK1)
- □ Wired Remote Controller (PAR-32MAA-J)
- □ Wireless Interface for kumo cloud™ (PAC-WHS01WF-E)
- □ Thermostat Interface (PAC-US444CN-1)
- □ Hand-held Wireless Remote Controller (PAR-FL32MA; req.PAR-FA32MA-E)
- □ Wireless Signal Receiver Module PAR-FA32MA (for PAR-FL32MA-E)

SPECIFICATIONS

Cooling Capacity* . . . . . 17,200 Btu/h
Heating Capacity at 47°F* . . . . . 21,600 Btu/h

*** Rating Conditions per AHRI Standard**
Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) 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

(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.)

Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

Electrical Requirements
Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
MCA . . . . . 1 A

Voltage
Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC ±24V

Blower Motor (ECM) . . . . . 0.74 F.L.A.

Airflow (Lo - Med - Hi)
Cooling . . . . . 423 - 529 - 635 Dry CFM
381 - 476 - 572 Wet CFM
Heating . . . . . 423 - 529 - 635 Dry CFM

Sound Pressure Level (Lo - Med - Hi)
Cooling . . . . . 30 - 34 - 38 dB(A)
Heating . . . . . 30 - 34 - 38 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	46-7/8 / 1,190
D	27-9/16 / 700
H	7-7/8 / 200

Weight . . . . . 62 lbs. / 28 kg
External Finish . . . . . Galvanized-steel Sheets
Field Drainpipe Size O.D. . . . . 1-1/4" / 32 mm

Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . 1/2" / 12.7 mm
Liquid Side . . . . . 1/4" / 6.35 mm
Connection Method . . . . . Flared

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M-SERIES

SUBMITTAL DATA: SEZ-KD12NA4**

12,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT FOR MXZ MULTI-ZONE HEAT-PUMP SYSTEMS

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:

**APPLIES TO INDOOR UNIT:
- □ SEZ-KD12NA4
- □ SEZ-KD12NA4.TH
- □ SEZ-KD12NAR1.TH
- □ SEZ-KD12NA4R1.TH

Indoor Unit: SEZ-KD12NA4**

GENERAL FEATURES

- Horizontal-ducted indoor unit for concealed applications
- Ultra thin body: 7-7/8" high
- Built-in drain mechanism for condensate removal; lifts to 21-11/16"
- Air filter is included with indoor unit
- Quiet operation — as low as 23 dBA
- Indoor unit powered from outdoor unit using A-Control
- AUTO fan speed control
- Automatic restart following a power outage
- Limited warranty: five years parts and seven years compressorss

ACCESSORIES

Indoor Unit
- □ Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- □ Condensate Pump (Sauermann SI30-115/230; 115/230V)
- □ Filter Box with MERV 8 Filters (FBL1-2)
- □ Bottom Return Plate (BRP-2)

Outdoor Unit
- □ Three-pole Disconnect Switch (TAZ-MS303)
- □ Mounting Base (DSD-400P)
- □ Mounting Pad (ULTRILITE1)
- □ Wall Mounting Bracket (QSWB2000M-1)

Controller Options
- □ Wireless Controller (MHK1)
- □ Wired Remote Controller (PAR-32MAA-J)
- □ Wireless Interface for kumo cloud™ (PAC-WHS01WF-E)
- □ Thermostat Interface (PAC-US444CN-1)
- □ Hand-held Wireless Remote Controller (PAR-FL32MA; req.PAR-FA32MA-E)
- □ Wireless Signal Receiver Module PAR-FA32MA (for PAR-FL32MA-E)

SPECIFICATIONS

Cooling Capacity* . . . . . 11,500 Btu/h
Heating Capacity at 47°F* . . . . . 13,600 Btu/h

*** Rating Conditions per AHRI Standard**
Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) 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

(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.)

Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

Electrical Requirements
Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
MCA . . . . . 1 A

Voltage
Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC ±24V

Blower Motor (ECM) . . . . . 0.57 F.L.A.

Airflow (Lo - Med - Hi)
Cooling . . . . . 247 - 317 - 388 Dry CFM
222 - 285 - 349 Wet CFM
Heating . . . . . 247 - 317 - 388 Dry CFM

Sound Pressure Level (Lo - Med - Hi)
Cooling . . . . . 23 - 28 - 33 dB(A)
Heating . . . . . 23 - 28 - 33 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	39 / 990
D	27-9/16 / 700
H	7-7/8 / 200

Weight . . . . . 50 lbs. / 22 kg
External Finish . . . . . Galvanized-steel Sheets
Field Drainpipe Size O.D. . . . . 1-1/4" / 32 mm

Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . 3/8" / 9.52 mm
Liquid Side . . . . . 1/4" / 6.35 mm
Connection Method . . . . . Flared

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