M-SERIES MVZ-A18AA4

18,000 BTU/H MULTI-POSITION AIR HANDLING UNIT FOR MXZ MULTI-ZONE HEAT-PUMP SYSTEMS

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:

MVZ-A18AA4

GENERAL FEATURES:

- Multi-position air handling unit
- Multi-Position installation without any additional kits
- Quiet operation
- Selectable external static pressure settings with capabilities up to 0.80 In. W.G.
- Auto fan speed control: Low, Medium, High
- Indoor unit powered from outdoor unit using A-Control (Optional)
- Auto restart following a power outage
- Limited warranty: five years parts and seven years compressors

ACCESSORIES:

- ☐ Mini-Condensation Pump (SI30-115/230)
- ☐ Maxi Blue Diamond Condensate Pump 230V (X87-721)

SPECIFICATIONS:

Rated Capacity*		
Cooling	Btu/h	18,000
Heating at 47° F	Btu/h	20,000

*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

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz	
Minimum Circuit Ampacity (MCA)	A	3.00
Voltage		
Indoor - Outdoor S1-S2	AC 208 / 230V	
Indoor - Outdoor S2-S3	+/- 24VDC	
External Static Pressure	In. WG	0.30 - 0.50 - 0.80
External Finish	High-gloss polyester powder coated	
External Dimensions (H x W x D)	In.(mm)	50-1/4 x 17 x 21-5/8 (1,275 x 432 x 548)
Net Weight	Lbs.(kg)	113 (51)
Sound Pressure Level (Low-Mid-Hi)		
Cooling	dB(A)	28 - 32 - 36
Heating	dB(A)	28 - 32 - 36
Airflow Rate (Low-Mid-Hi)		
Cooling (Dry)	CFM	410 - 497 - 585
Heating	CFM	410 - 497 - 585
Refrigerant Piping		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)	In.(mm)	1/2 (12.70)
Refrigerant	R410A	
Connection Method	Flared	

Specifications are subject to change without notice.

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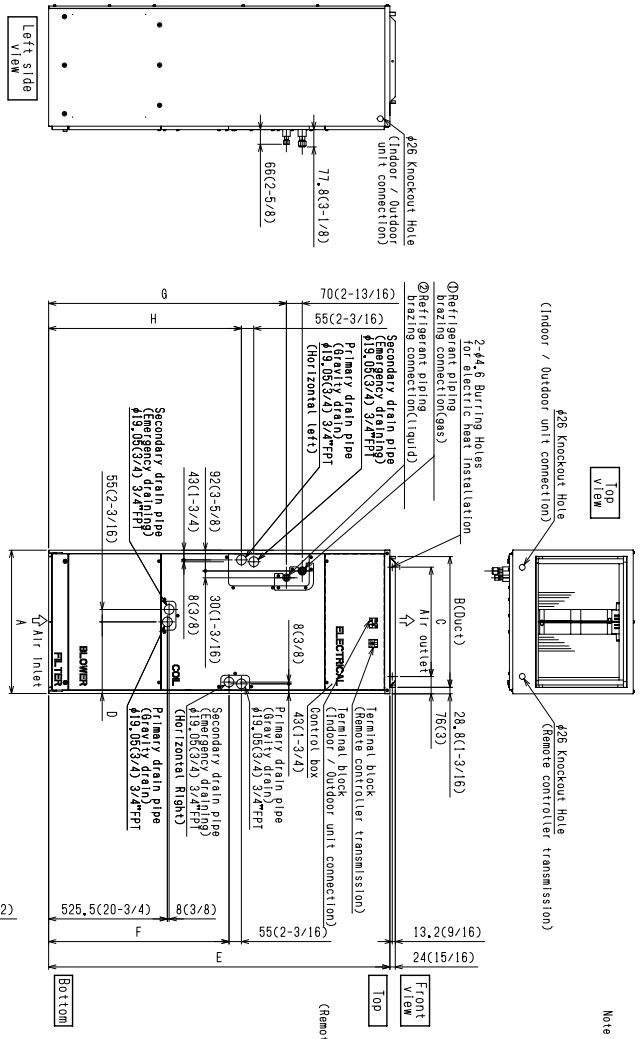
DIMENSIONS: MVZ-A18AA4

Unit: inch



Model	A	B	C	D	E	F	G	H	J	Gas pipe	Liquid pipe
MVZ-A12AA4	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)	1275 (50-1/4)	680 (26-13/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)	φ12.7 (1/2)	φ6.35 (1/4)
MVZ-A18AA4											
MVZ-A24AA4											
MVZ-A30AA4	534 (21)	477 (18-13/16)	388.6 (15-1/8)	266.5 (10-1/2)	1378 (54-1/4)	737 (29-1/16)	953.5 (37-9/16)	792 (31-3/16)	461 (18-3/16)	φ15.88 (5/8)	φ9.52 (3/8)
MVZ-A36AA4											

Unit:mm(in.)

Model	Nominal Filter Size	Duct Connection
MVZ-A12AA4	508X406.4X25.4 (20X16X1)	376X402 (14-13/16X15-7/8)
MVZ-A18AA4		
MVZ-A24AA4		
MVZ-A30AA4	508X508X25.4 (20X20X1)	477X402 (18-13/16X15-7/8)
MVZ-A36AA4		

MITSUBISHI ELECTRIC

COOLING & HEATING

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AHRI CERTIFIED™ www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

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