

Job Name:

System Reference:

Date:



MVZ-A18AA7

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 (Rated data is determined at a fixed compressor speed):

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		28 - 32 - 36

Airflow Rate (Low-Mid-Hi)

Cooling (Dry)	CFM	410 - 497 - 585
Heating		410 - 497 - 585

Refrigerant Piping

Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.70)

Refrigerant

R410A

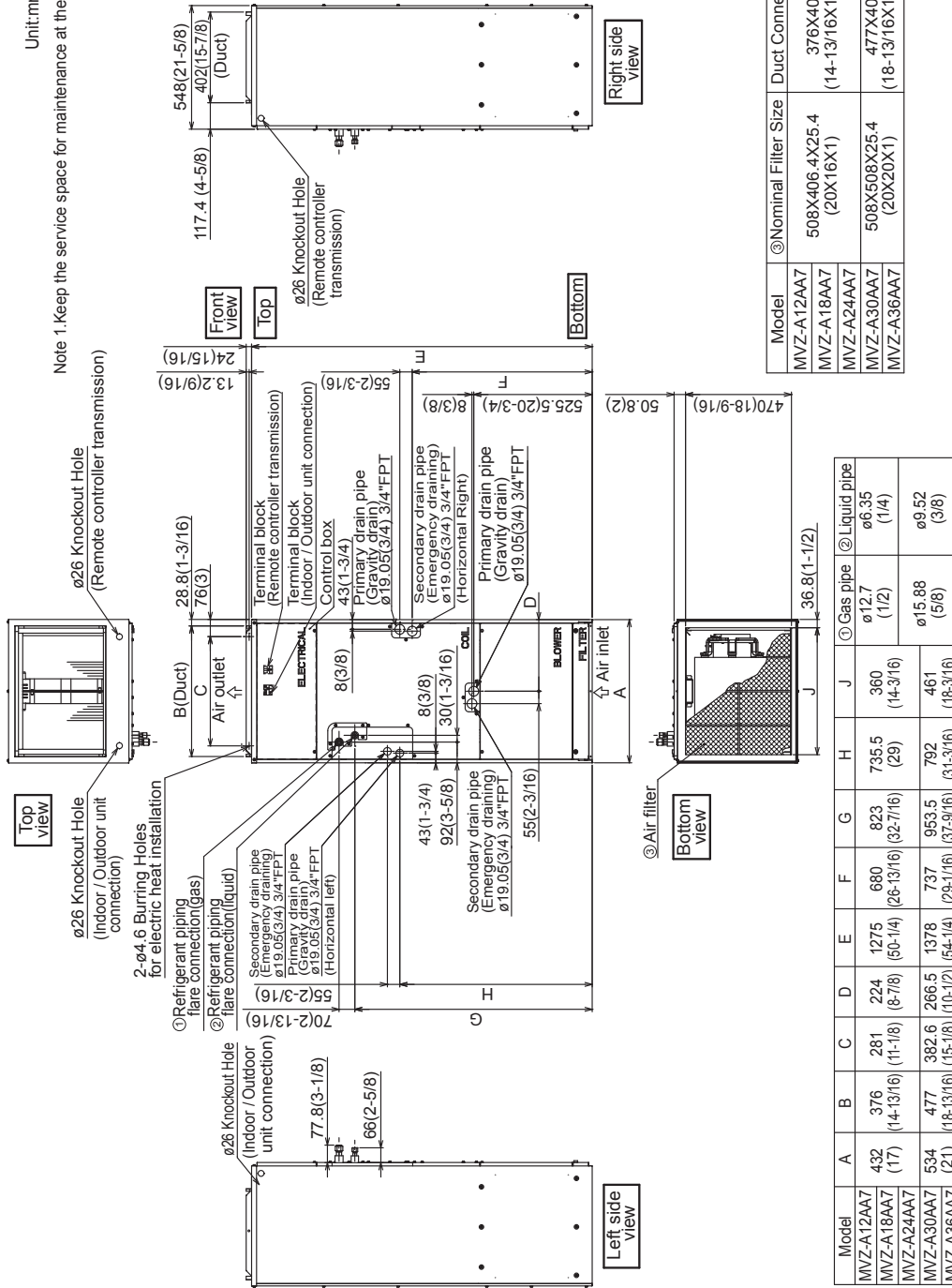
Connection Method

Flared

DIMENSIONS: MVZ-A18AA7

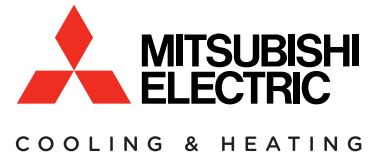
Unit:mm(in.)

Note 1. Keep the service space for maintenance at the front.



Model	③ Nominal Filter Size	Duct Connection
MVZ-A12AA7	508X406.4X25.4 (20X16X1)	376X402 (14-13/16X15-7/8)
MVZ-A18AA7	508X508X25.4 (20X20X1)	477X402 (18-13/16X15-7/8)
MVZ-A24AA7	508X508X25.4 (20X20X1)	477X402 (18-13/16X15-7/8)
MVZ-A30AA7	508X508X25.4 (20X20X1)	477X402 (18-13/16X15-7/8)
MVZ-A36AA7	508X508X25.4 (20X20X1)	477X402 (18-13/16X15-7/8)

Model	A	B	C	D	E	F	G	H	J	① Gas pipe	② Liquid pipe
MVZ-A12AA7	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)	ø12.7 (1/2)	ø6.35 (1/4)
MVZ-A18AA7	534 (21)	477 (18-13/16)	382.6 (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)	ø15.88 (5/8)	ø9.52 (3/8)
MVZ-A24AA7	534 (21)	477 (18-13/16)	382.6 (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)	ø15.88 (5/8)	ø9.52 (3/8)
MVZ-A30AA7	534 (21)	477 (18-13/16)	382.6 (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)	ø15.88 (5/8)	ø9.52 (3/8)
MVZ-A36AA7	534 (21)	477 (18-13/16)	382.6 (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)	ø15.88 (5/8)	ø9.52 (3/8)



1340 Satellite Boulevard, Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com

