

SUBMITTAL DATA: PVA-A24AA7 & PUZ-HA24NHA

24,000 BTU/H AIR HANDLER AIR-CONDITIONING SYSTEM

Job Name:	Engineer:
Purchaser:	Application:
Submitted To:	For: ☐ Reference ☐ Approval ☐ Construction
Submitted By:	Location:
System Designation:	Schedule No.:



Indoor Unit: PVA-A24AA7



Outdoor Unit: PUZ-HA24NHA

ACCESSORIES:

Indoor Unit

External Heating Adaptor (PAC-YU25HT)
Electric Heat Kitsee.....SB_EH_MVZ_PVA_PVFY_SVZ

Optional Controls

Wireless Controller (MHK1)
Advanced Wired Controller (PAR-40MAA)
Simple Wired Controller (PAC-YT53CRAU)
Wireless Remote Controller (PAR-FL32MA) + Wireless Signal Receiver (PAR-FA32MA)
Thermostat Interface (PAC-US444CN)
M-NET Adapter (PAC-SJ95MA-E)

Outdoor Unit

Rear Snow Guard (PRE-24-30)
Side Snow Guard (PSD-24-30)
Front Wind Deflector (PFR-24-30)

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

SPECIFICATIONS:

Rated Conditions (Capacity / Input)*		
Cooling	Btu/h / W	24,000 / 2,100
Heating at 47° F (Max.)	Btu/h / W	26,000 / 1,980
Heating at 17° F (Max.)	Btu/h / W	26,000 / 3,550

* Rating Conditions per AHRI Standard:
Cooling | Indoor: 80° F (27° C)DB / 67° F (19° C)WB; 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; Outdoor: 47° F (8° C)DB / 43° F (6° C)WB
Heating at 17° F | Indoor: 70° F (21° C)DB / 60° F (16° C)WB; Outdoor: 17° F (-8° C)DB / 15° F (-9° C)WB

Capacity Range		
Cooling	Btu/h	10,000 - 24,000
Heating at 47° F	Btu/h	10,000 - 28,000

Operating Range		
Cooling	0° F** to 115° F (-18° C to 46° C) DB	
Heating	-13° F to 70° F (-25° C to 21° C) DB	

** Windscreens required for cooling operation below 23° F (-5° C)

AHRI Efficiency Rating	
EER	11.4
SEER	19.0
HSPF IV / V	11.0 / NA
COP at 47° F (Rated)	3.84
COP at 17° F (Max.)	2.14
COP at 5° F (Max.)	2.00

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA) *	ODU Breaker Size	MOCP (Outdoor)
Indoor 4.13 AMP	Outdoor 19 AMP	25 AMP
		26 AMP

***All electrical work shall comply with National (CEC) and local codes and regulations.**

Indoor Unit		
Blower Motor (ECM)	F.L.A.	3.3
Blower Motor Output	W	244
SHF / Moisture Removal		0.83 / 3.7 pt./h
External Static Pressure	In. WG	0.30-0.50-0.80
Field Drainpipe Size O.D	in. (mm)	3/4 (19.05)

Outdoor Unit		
Compressor		SCROLL
Fan Motor (ECM)	F.L.A.	0.4
Fan Motor Output	W	86

Airflow Rate (Low-Mid-Hi)			
Indoor (Cooling)	DRY	CFM	613-744-875
	WET		NA
Outdoor	DRY		1,940

Sound Pressure Level			
Indoor (Low-Mid-Hi)	dB(A)		32-36-40
			52
			53

External Dimensions		
Indoor (H x W x D)	In.(mm)	54-1/4 x 21 x 21-5/8 (1378 x 534 x 548)
Outdoor (H x W x D)		37-1/8 x 37-13/32 x 13 + 1-3/16 (943 x 950 x 330 + 30)

Net Weight		
Indoor	Lbs.(kg)	141 (64)
Outdoor		188 (85)

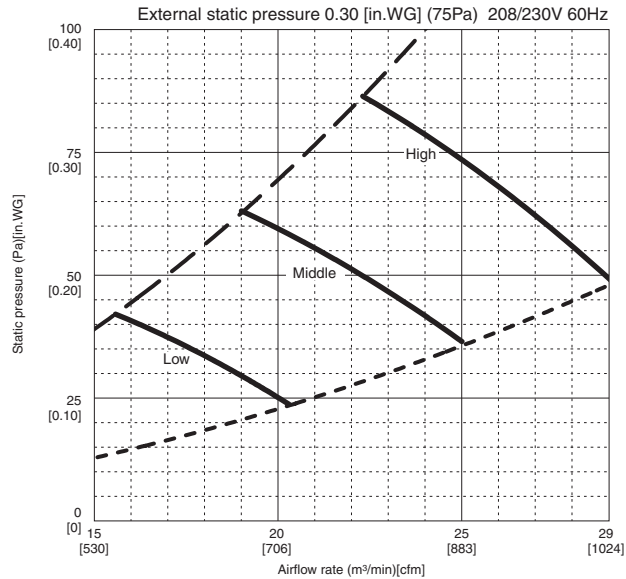
External Finish	
Indoor	Galvanized steel cabinet-Powder coated Slate Grey
Outdoor	Ivory Munsell No. 3Y 7.8 / 1.1

Refrigerant	R410A ; 7lbs., 11oz. (3.5kg)
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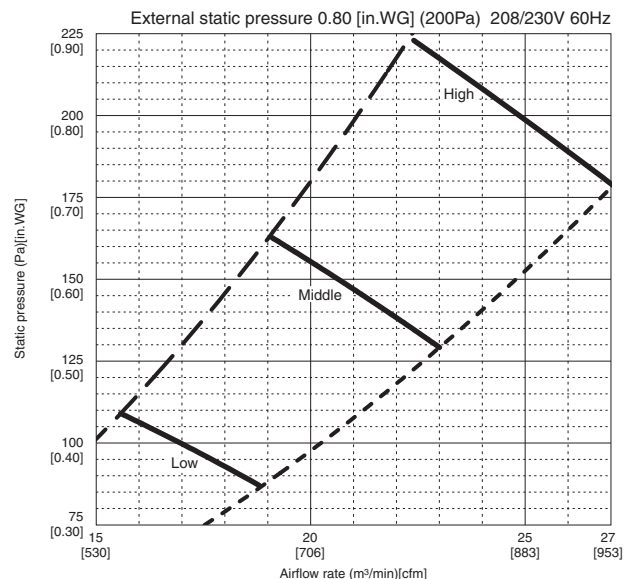
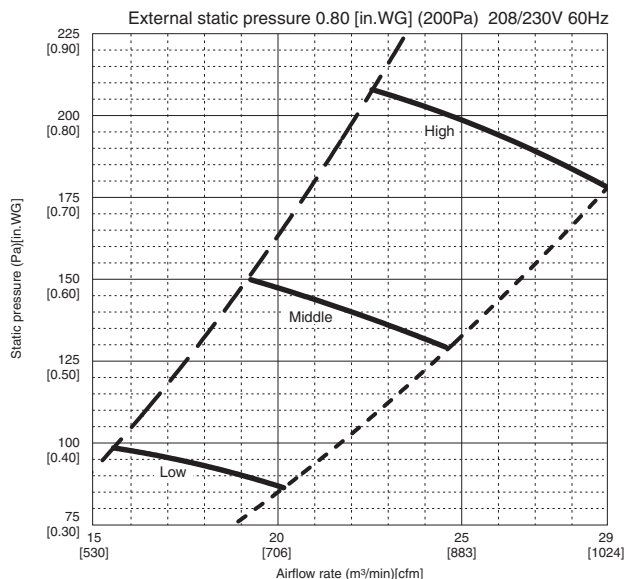
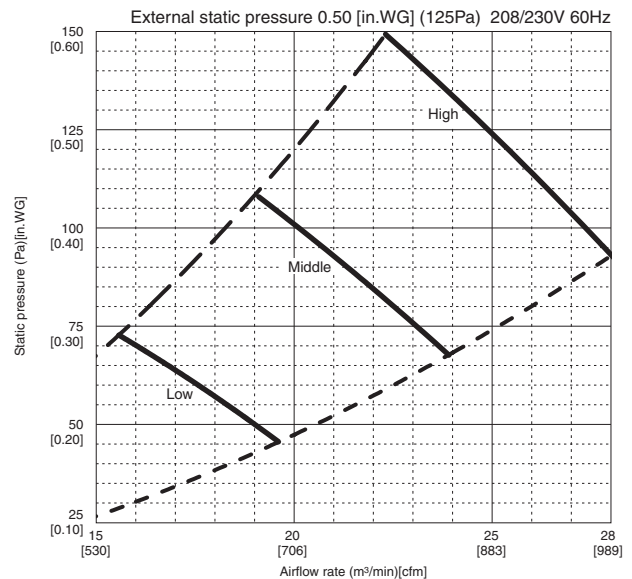
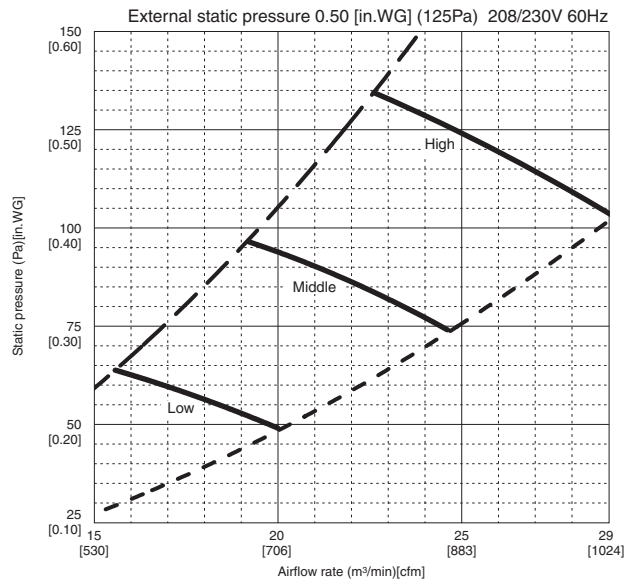
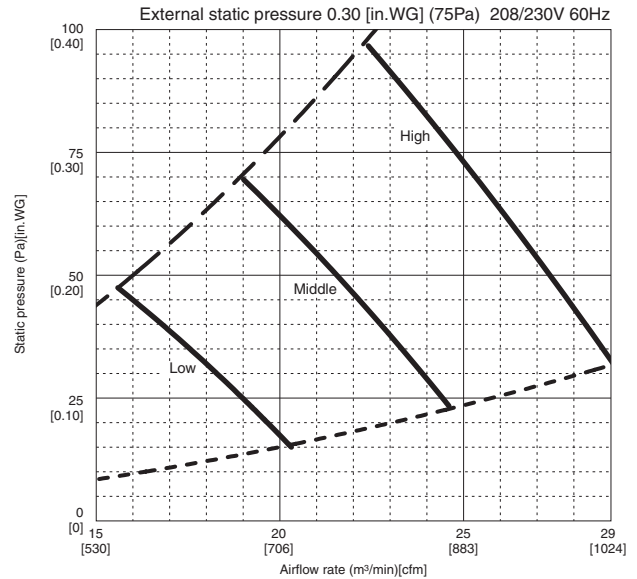
Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Maximum Total Refrigerant Pipe Length	Ft. (m)	165 (50)
Maximum Vertical Separation	Ft. (m)	100 (30)

FAN PERFORMANCE AND CORRECTED AIR FLOW - PVA-A24AA7

• Vertical, Horizontal Right, Horizontal Left



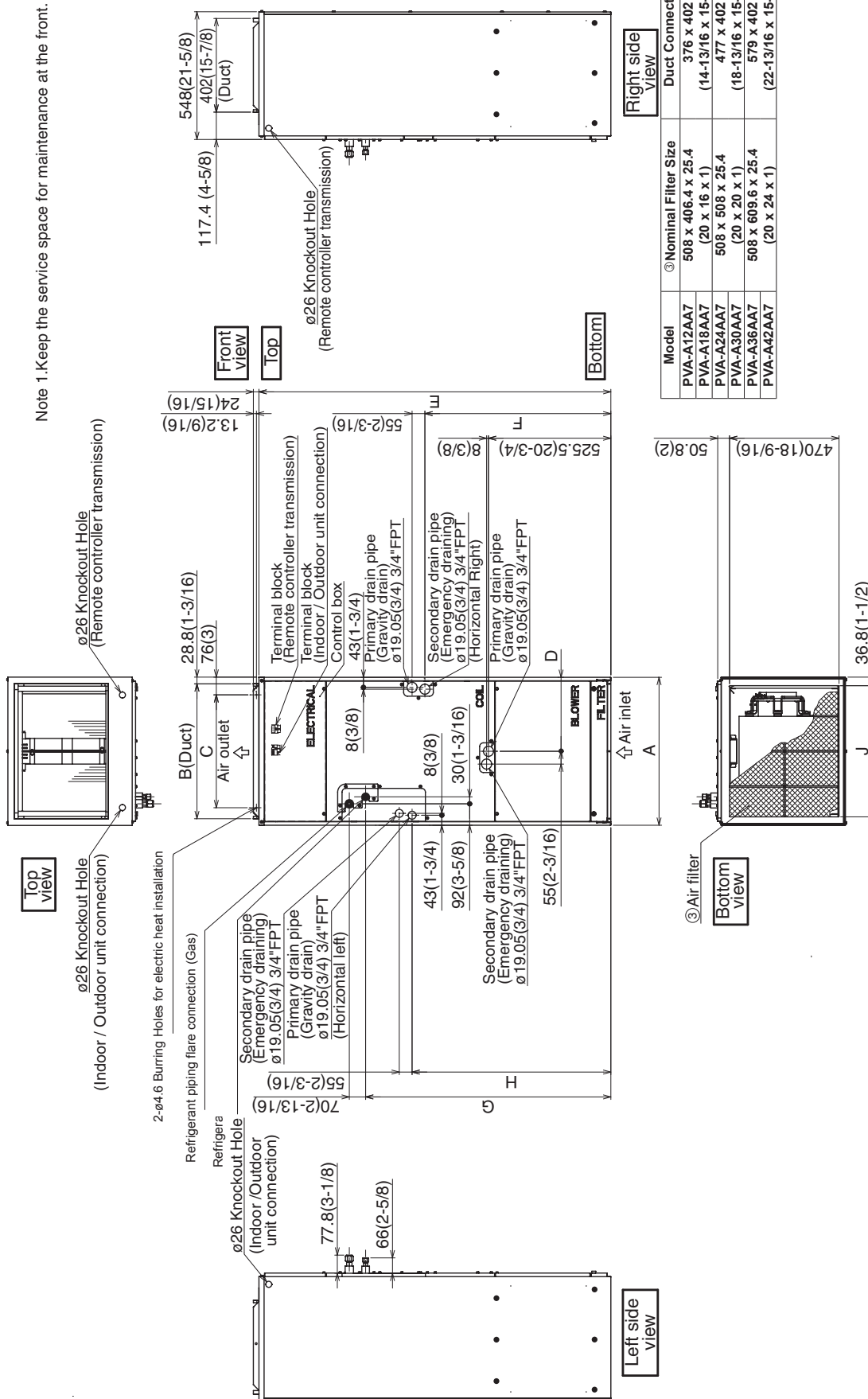
• Downflow



Specifications are subject to change without notice.

DIMENSIONS: PVA-A24AA7

Unit: mm (in.)



Model	③ Nominal Filter Size	Duct Connection
PVA-A12AA7	508 x 406.4 x 25.4 (20 x 16 x 1)	376 x 402 (14-13/16 x 15-7/8)
PVA-A18AA7	508 x 508 x 25.4 (20 x 20 x 1)	477 x 402 (18-13/16 x 15-7/8)
PVA-A24AA7	508 x 609.6 x 25.4 (20 x 24 x 1)	579 x 402 (22-13/16 x 15-7/8)

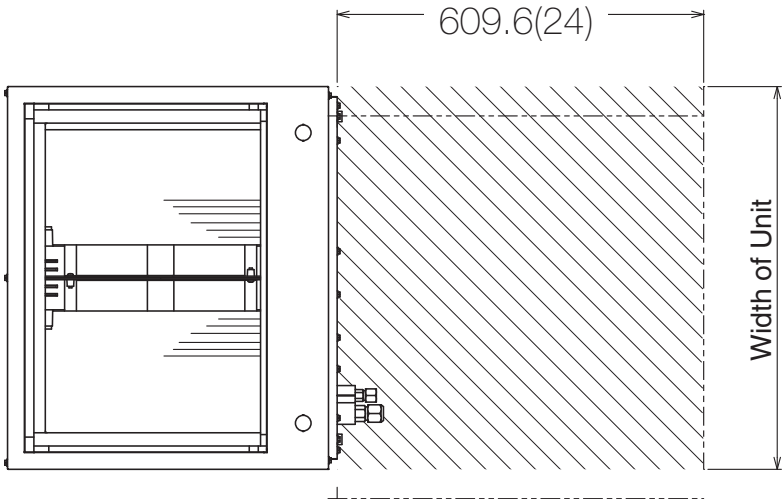
Model	A	B	C	D	E	F	G	H	J	① Gas Pipe	② Liquid Pipe
PVA-A12AA7	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)	1275 (50-1/4)	680 (26-13/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)	Φ 12.7 (1/2)	Φ 6.35 (1/4)
PVA-A18AA7	534 (21)	477 (18-13/16)	382.6 (15-1/8)	266.5 (10-1/2)	1378 (54-1/4)	737 (29-1/16)	953.5 (37-9/16)	792 (31-3/16)	461 (18-3/16)	Φ 15.88 (5/8)	Φ 9.52 (3/8)
PVA-A24AA7	635 (25)	579 (22-13/16)	484.6 (19-1/8)	317.5 (12-1/2)	1511 (59-1/2)	798.5 (31-7/16)	1053 (41-1/2)	853.5 (33-5/8)	563 (22-3/16)		

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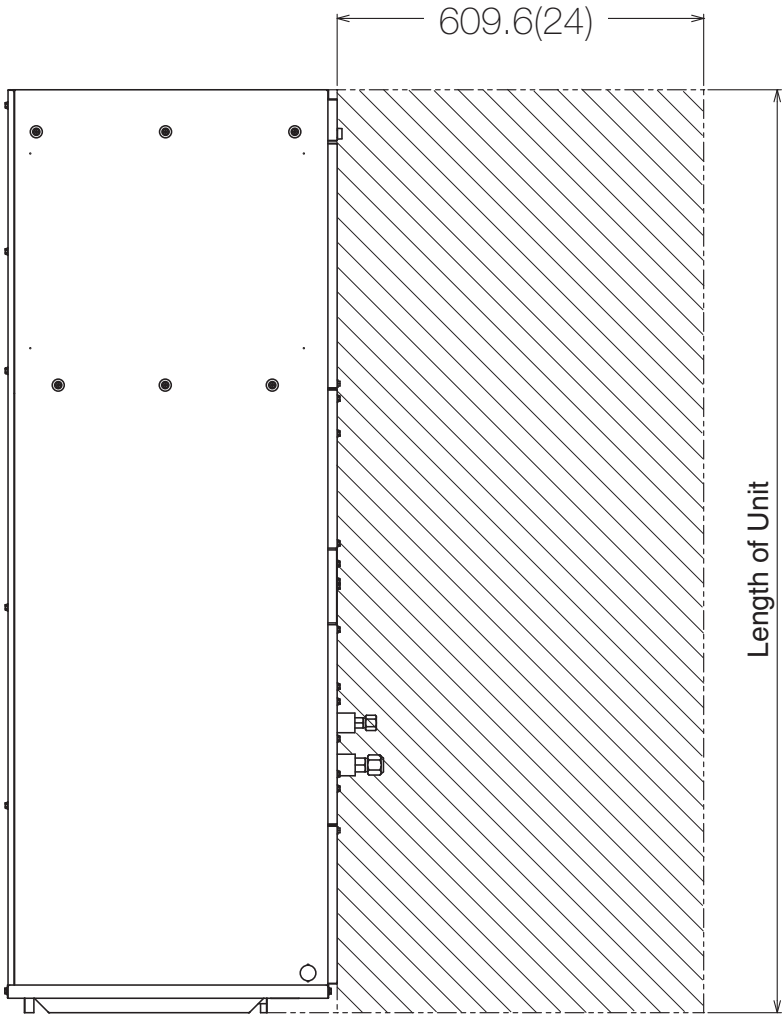
DIMENSIONS: PVA-A24AA7

Unit: mm (in.)

Clearance Area



Vertical Installation



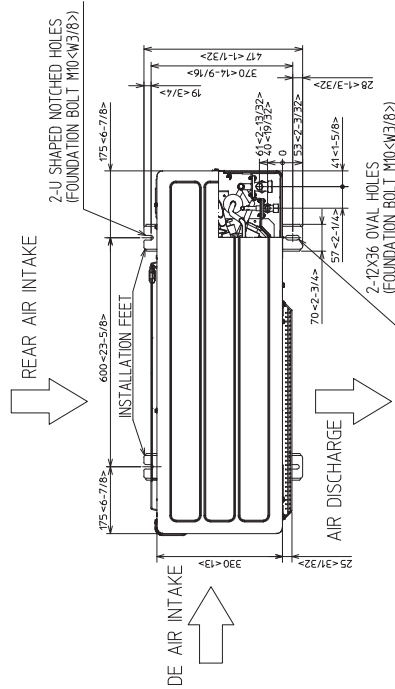
Horizontal Installation

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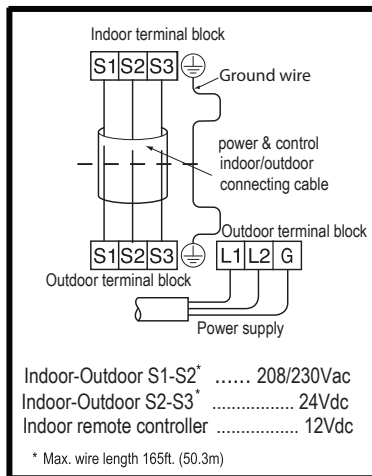
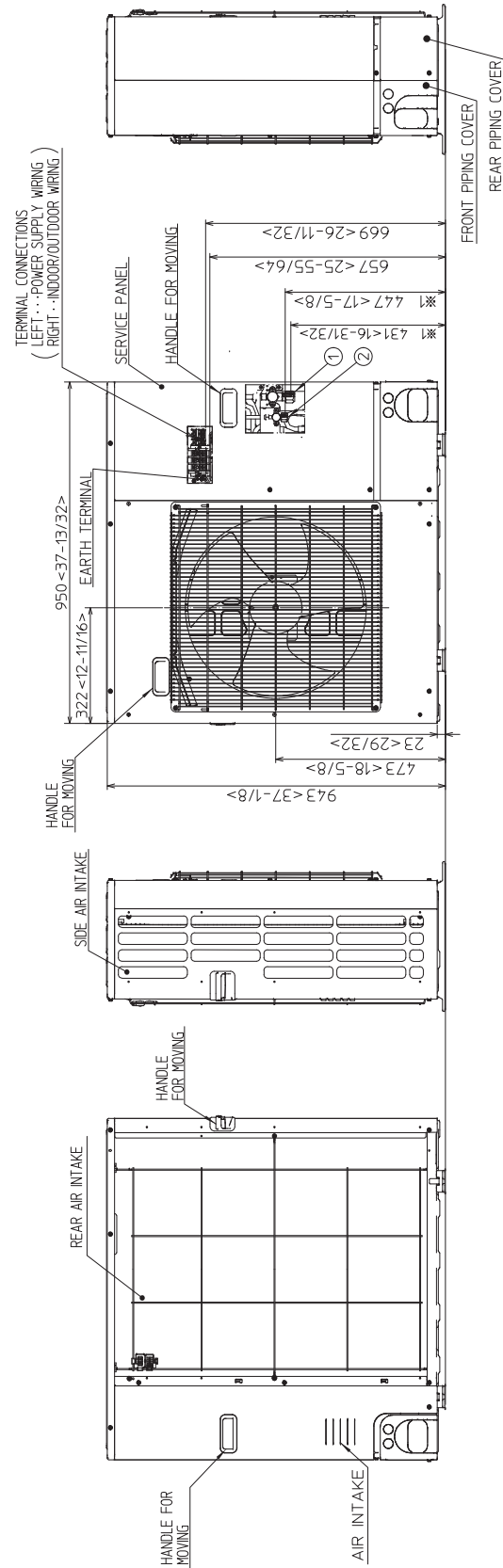
DIMENSIONS: PUZ-HA24NHA

Unit: mm (in.)



EXAMPLE OF NOTES

- ① ...REFRIGERANT GAS PIPE CONNECTION (FLARE) Ø5.88 (5/8")
- ② ...REFRIGERANT LIQUID PIPE CONNECTION (FLARE) Ø 9.52 (3/8")
- ※1 ...INDICATION OF STOP VALVE CONNECTION LOCATION.



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