

SUBMITTAL DATA: PVA-A12AA7 & PUZ-A12NKA7

12,000 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-A12AA7



Outdoor Unit: PUZ-A12NKA7 (-BS)

UNIT OPTION:

Standard Model.....PUZ-A12NKA7
 Seacoast (BS) Model.....PUZ-A12NKA7-BS

ACCESSORIES:

Indoor Unit

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

Controls

Wireless Controller (MHK1)
 Advanced Wired Controller (PAR-32MAA / PAR-33MAA)
 Simple Wired Controller (PAC-YT53CRAU)
 Wireless Remote Controller (PAR-FL32MA) + Wireless Signal Receiver (PAR-FA32MA)
 Thermostat Interface (PAC-US444CN)
 M-NET Adapter (PAC-SJ19MA-E)

Outdoor Unit

Front Wind Guard (PFR-12-18)
 Rear Wind Guard (PRE-12-18)
 Side Wind Guard (PSD-12-18)

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	12,000 / 890
Heating at 47° F	Btu/h / W	14,000 / 1,070
Heating at 17° F	Btu/h / W	9,900 / 1,400

* 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	4,800 - 12,000
Heating at 47° F	Btu/h	5,700 - 19,000

Operating Range		
Cooling	0°F** (-18°C) to 115°F (46°C) DB	
Heating	12°F (-11°C) to 70°F (21°C) DB	

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

AHRI Efficiency Rating	
EER	13.4
SEER	21.4
HSPF IV / V	10.3 / 7.8
COP at 47° F	3.83
COP at 17° F	2.07

Specifications are subject to change without notice.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA) *	Breaker Size	MOCP (Outdoor)
Indoor 3.00 AMP	Outdoor 11 AMP	15 AMP 28 AMP

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

Indoor Unit		
Blower Motor (ECM)	F.L.A.	2.4
Blower Motor Output	W	121
SHF / Moisture Removal		0.77 / 1.2 pt./h
External Static Pressure	In. WG	0.30-0.50-0.80

Outdoor Unit		
Compressor		DC INVERTER-driven Scroll
Fan Motor (ECM)	F.L.A.	0.5
Fan Motor Power	W	46

Airflow Rate (Low-Mid-Hi)			
Indoor (Cooling)	DRY	CFM	280-340-400
	WET		NA
Outdoor	DRY		1,590

Sound Pressure Level			
Indoor (Low-Mid-Hi)	Cooling	dB(A)	24-28-32
			44
			46

External Dimensions		
Indoor (H x W x D)	In.(mm)	50-1/4 x 17 x 21-5/8 (1275 x 432 x 548)
Outdoor (H x W x D)		24-13/16 x 31-13/16 + 7/16 x 11-3/16 (630 x 809 + 62 x 300)

Net Weight		
Indoor	Lbs.(kg)	113 (51)
Outdoor		93 (42)

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

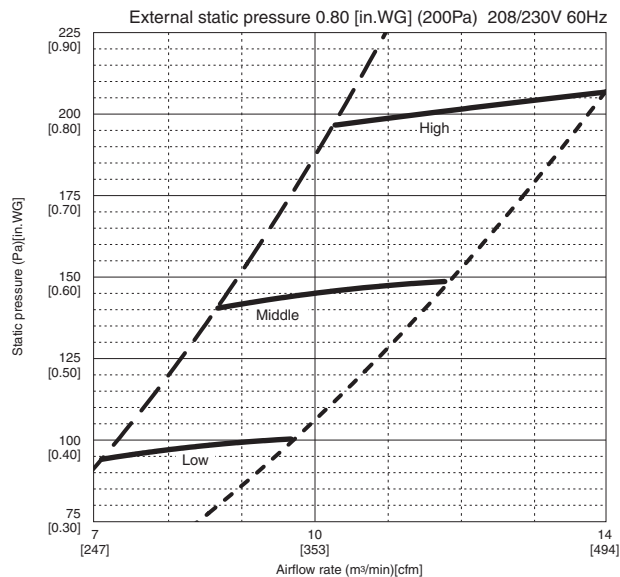
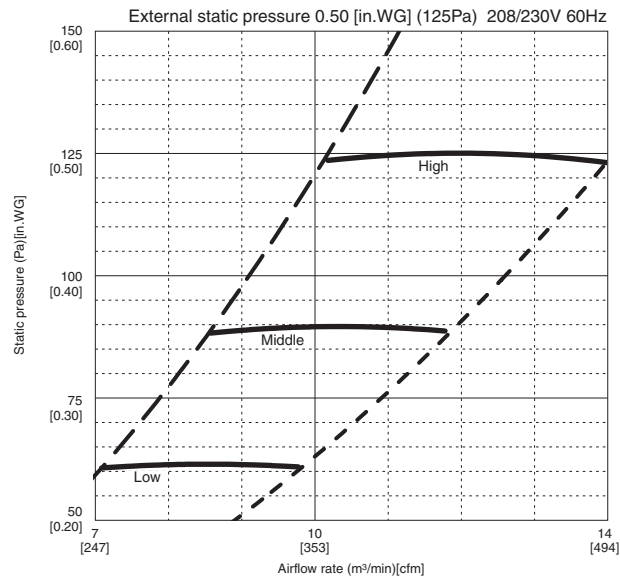
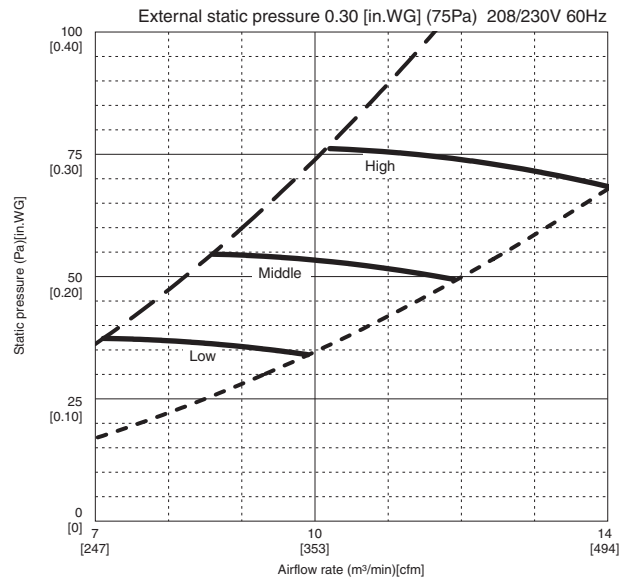
Refrigerant	R410A ; 4lbs., 7oz. (2.0kg)
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Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.7)
Maximum Total Refrigerant Pipe Length	Fl. (m)	100 (30)
Maximum Vertical Separation	Fl. (m)	100 (30)

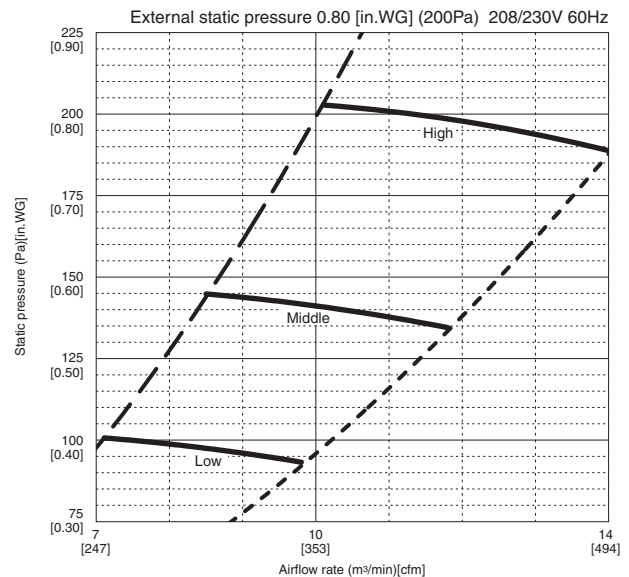
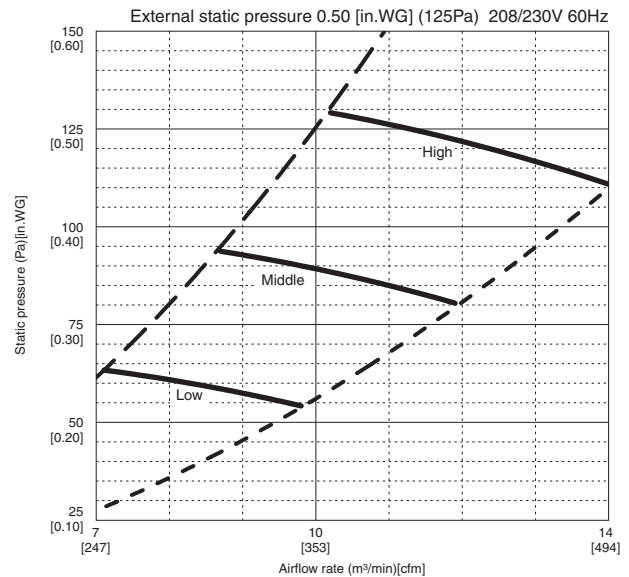
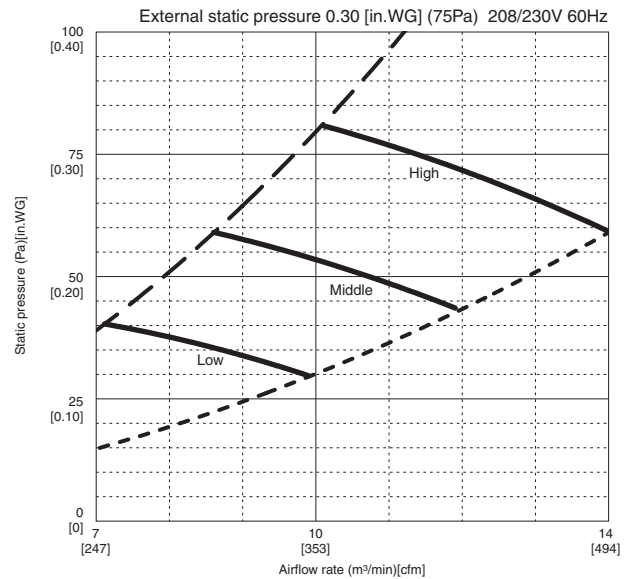
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FAN PERFORMANCE AND CORRECTED AIR FLOW - PVA-A12AA7

• Vertical, Horizontal Right, Horizontal Left



• Downflow

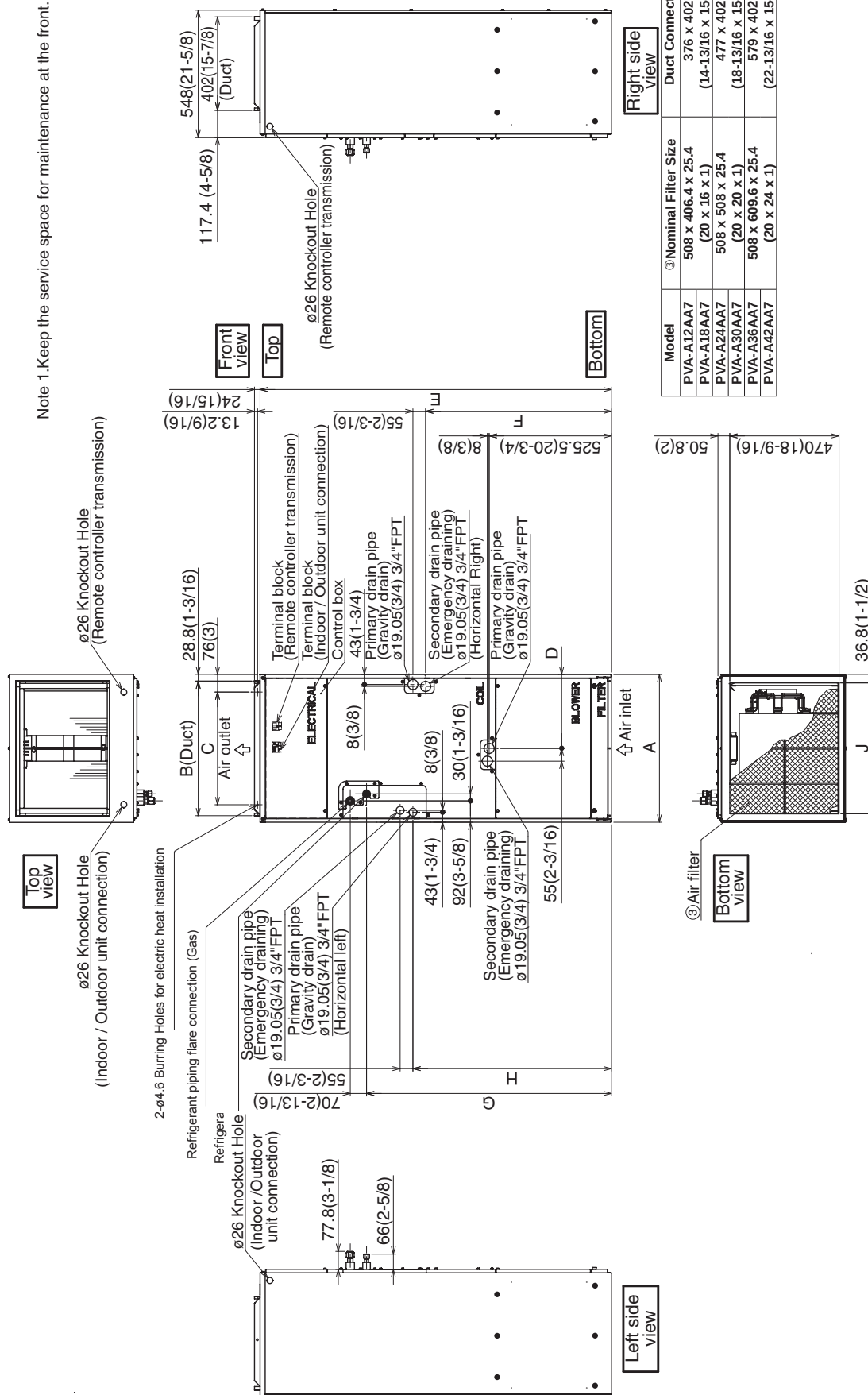


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DIMENSIONS: PVA-A12AA7

Unit: mm (in.)

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



Model	③ Nominal Filter Size	Duct Connection
PVA-A12AA7	508 x 406.4 x 25.4	376 x 402
PVA-A18AA7	(20 x 16 x 1)	(14-13/16 x 15-7/8)
PVA-A24AA7	508 x 508 x 25.4	477 x 402
PVA-A30AA7	(20 x 20 x 1)	(18-13/16 x 15-7/8)
PVA-A36AA7	508 x 609.6 x 25.4	579 x 402
PVA-A42AA7	(20 x 24 x 1)	(22-1/2 x 15-7/8)

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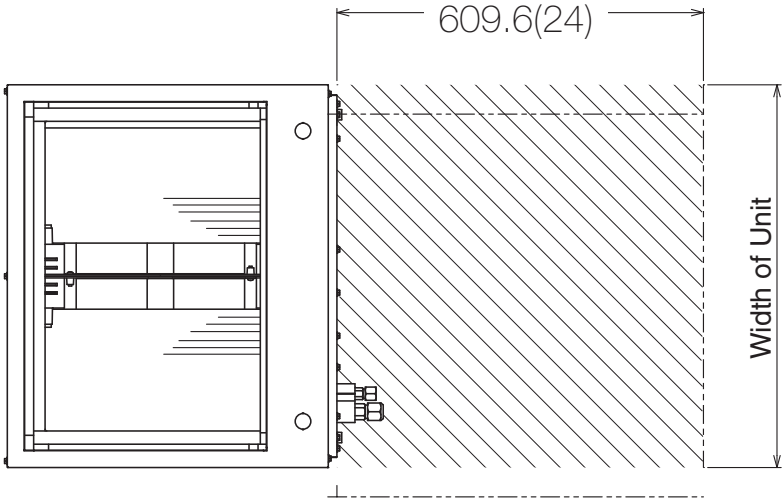
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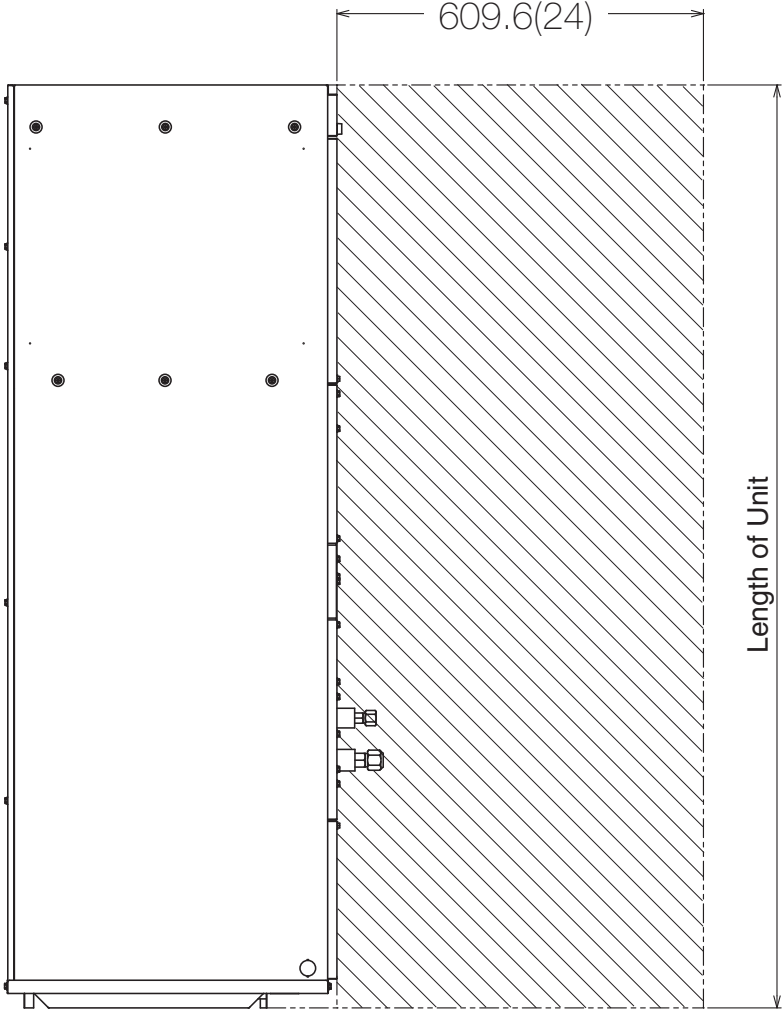
DIMENSIONS: PVA-A12AA7

Unit: mm (in.)

Clearance Area



Vertical Installation

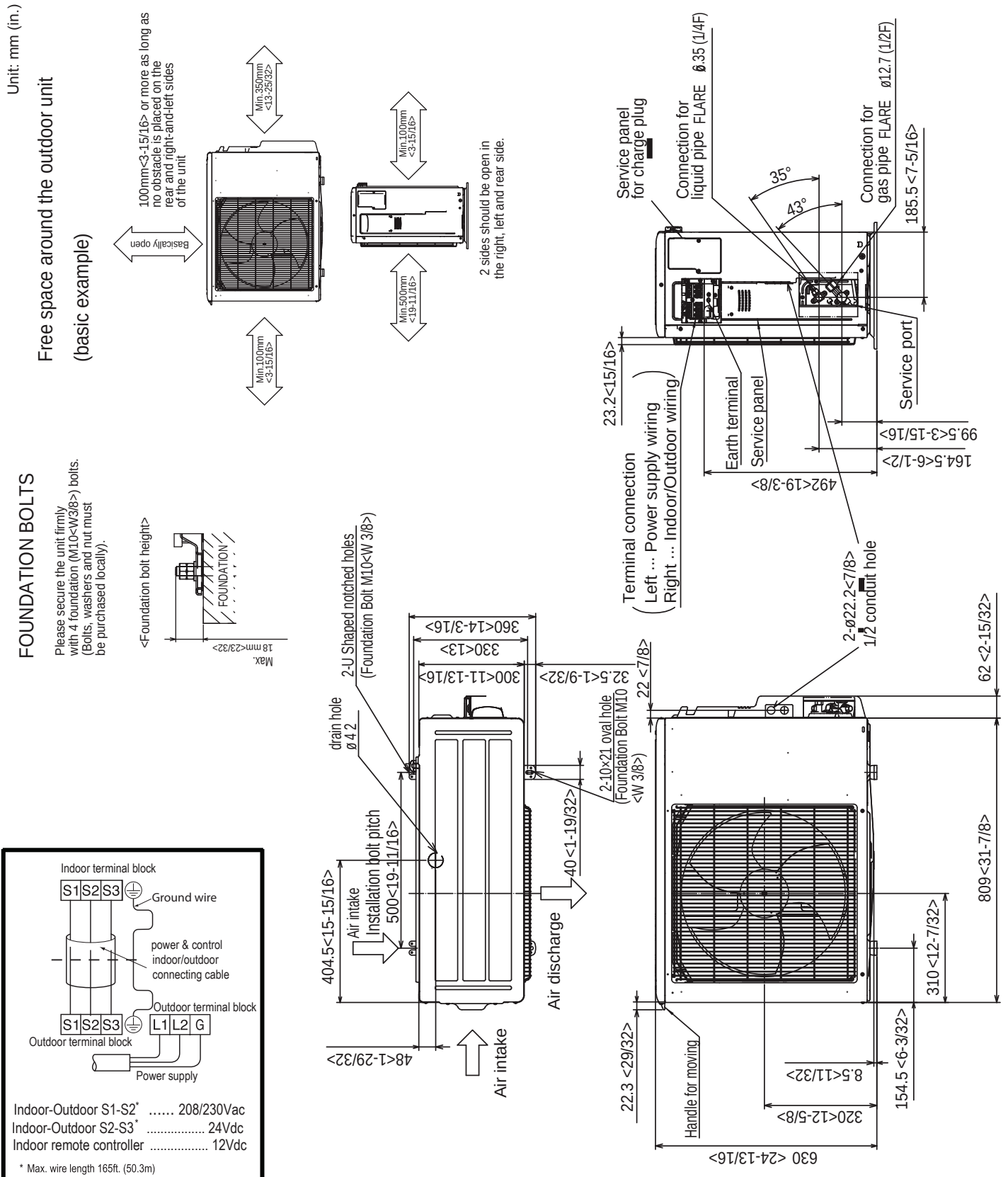


Horizontal Installation

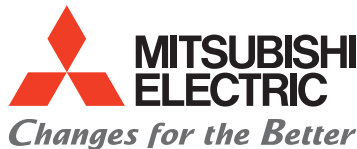
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DIMENSIONS: PUZ-A12NKA7



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