

SUBMITTAL DATA: PVA-A18AA7 & PUZ-A18NKA7

18,000 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-A18AA7



Outdoor Unit: PUZ-A18NKA7 (-BS)

UNIT OPTION:

Standard Model.....PUZ-A18NKA7
 Seacoast (BS) Model.....PUZ-A18NKA7-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	18,000 / 1,570
Heating at 47° F	Btu/h / W	19,000 / 1,470
Heating at 17° F	Btu/h / W	12,000 / 1,520

* 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	7,000 - 18,000
Heating at 47° F	Btu/h	7,700 - 23,000

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	11.4
SEER	20.2
HSPF IV / V	10.4 / 7.6
COP at 47° F	3.78
COP at 17° F	2.31

Specifications are subject to change without notice.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
-------------------------------	----------------------------

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		0.76 / 2.4 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	515-625-735
	WET		NA
Outdoor	DRY		1,590

Sound Pressure Level			
Indoor (Low-Mid-Hi)	dB(A)		28-33-36
			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		100 (45)

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

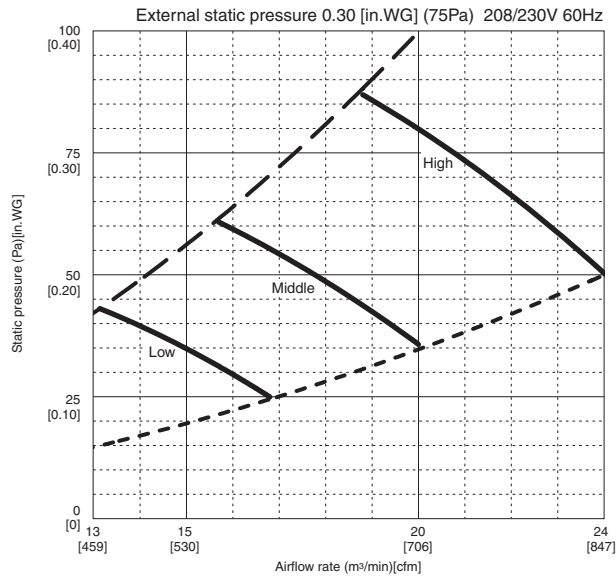
Refrigerant	R410A ; 4lbs., 14oz. (2.2kg)
-------------	------------------------------

Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.7)
Maximum Total Refrigerant Pipe Length	Ft. (m)	100 (30)
Maximum Vertical Separation	Ft. (m)	100 (30)

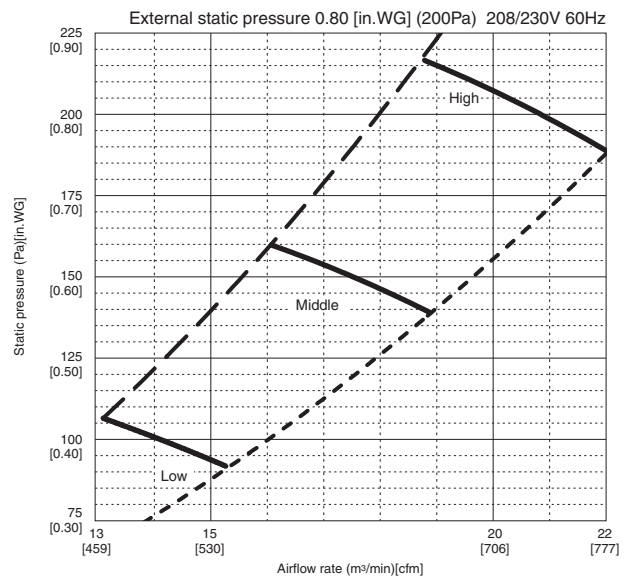
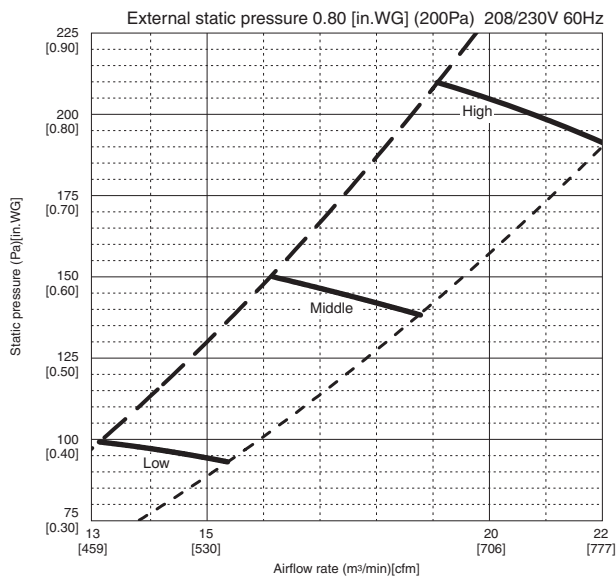
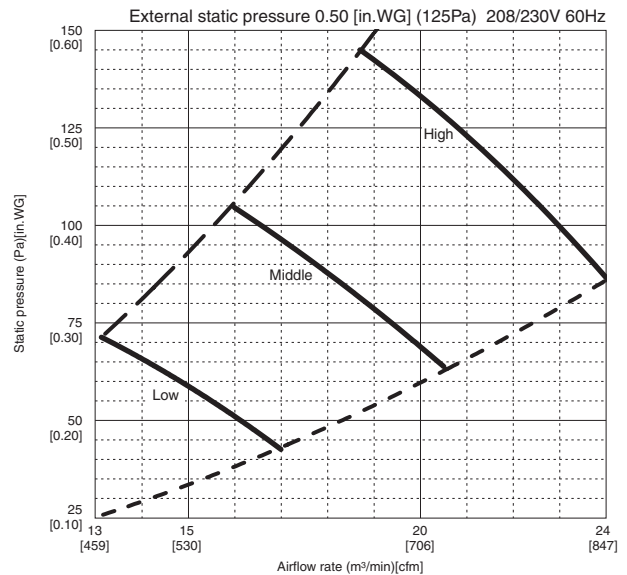
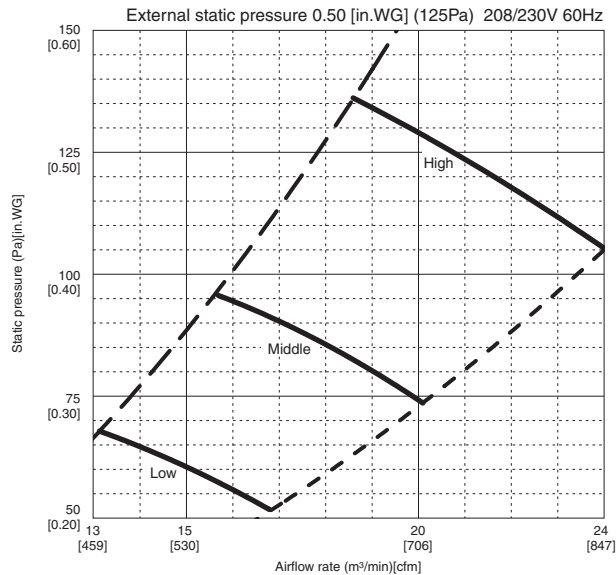
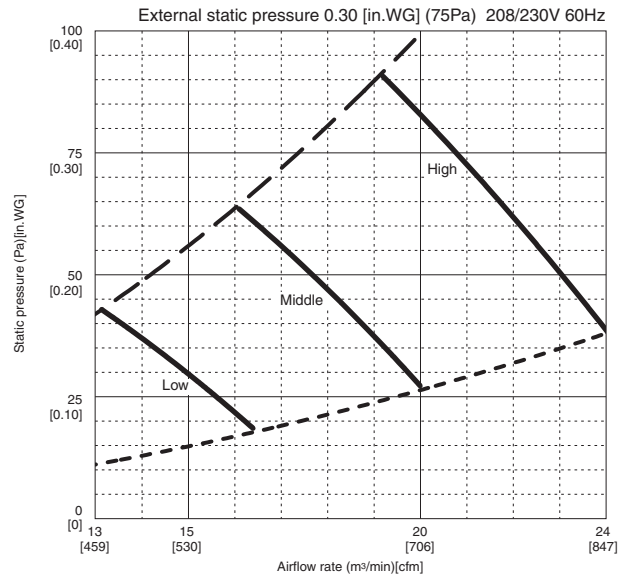
Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

FAN PERFORMANCE AND CORRECTED AIR FLOW - PVA-A18AA7

• Vertical, Horizontal Right, Horizontal Left



• Downflow

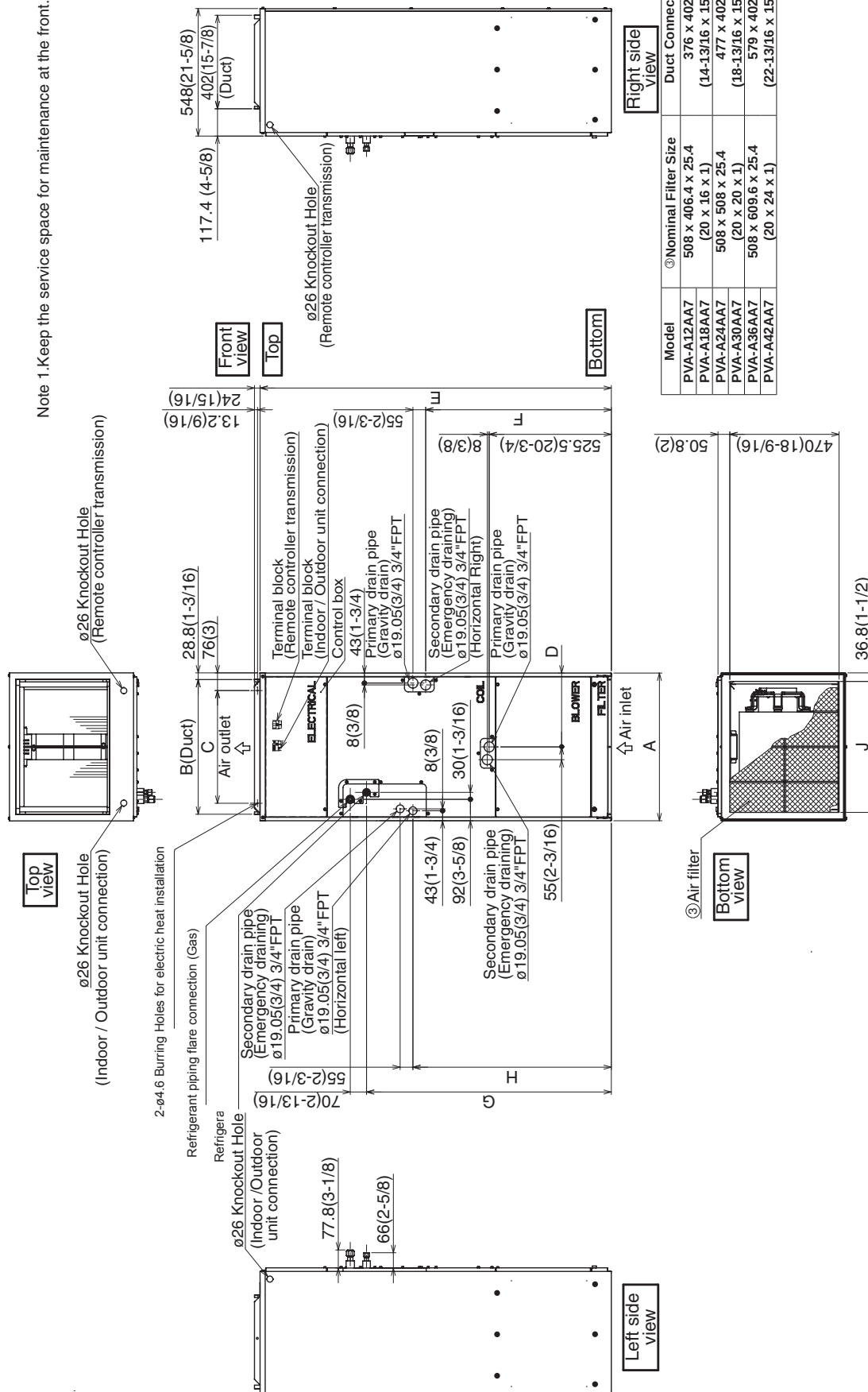


Specifications are subject to change without notice.

DIMENSIONS: PVA-A18AA7

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)	(22-13/16 x 15-7/8)

[illegible]

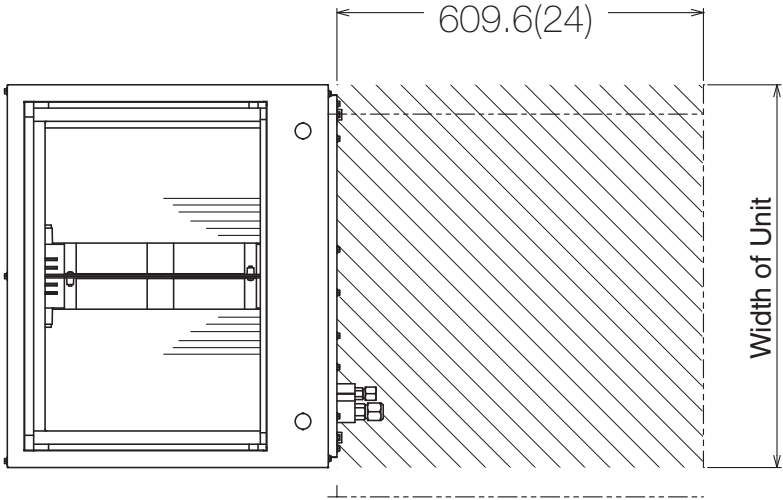
Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.*

Specifications are subject to change without notice.

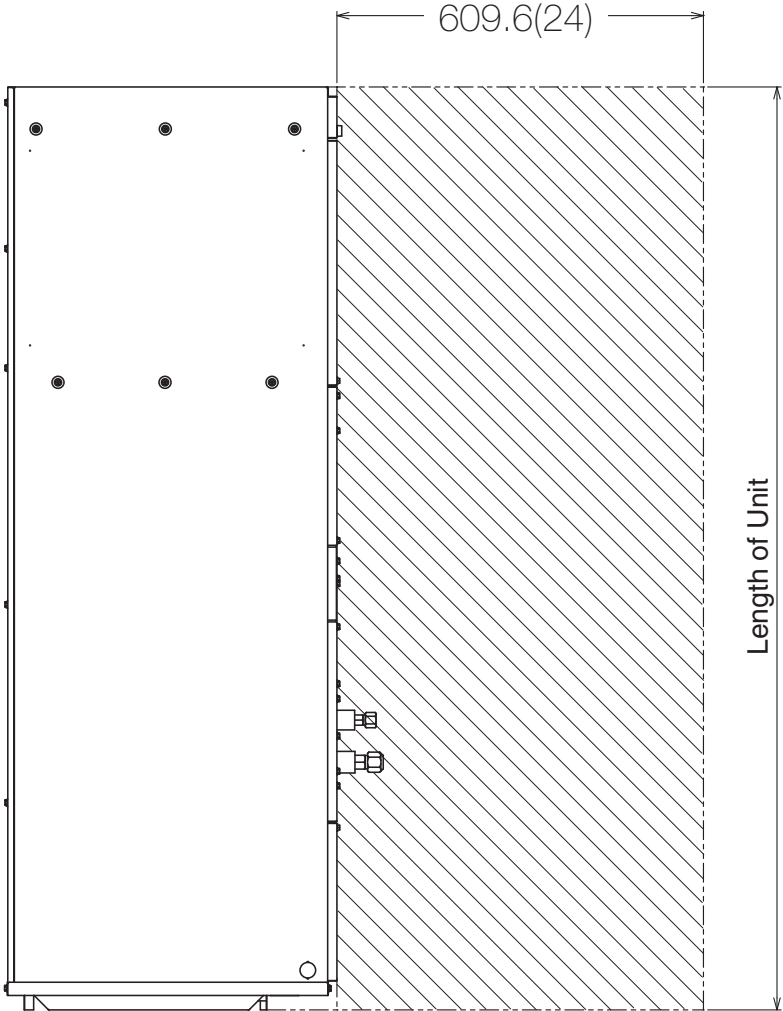
DIMENSIONS: PVA-A18AA7

Unit: mm (in.)

Clearance Area



Vertical Installation

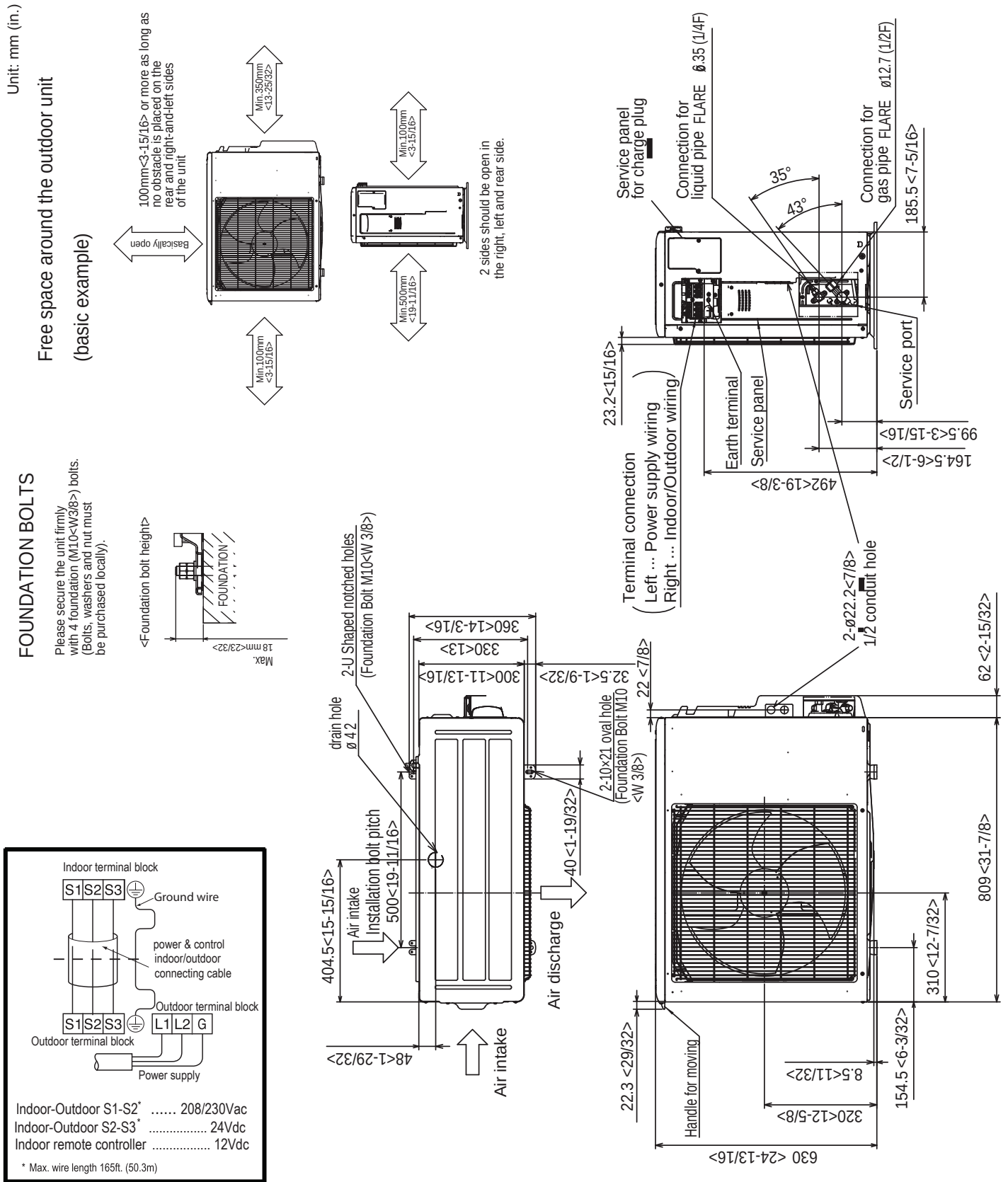


Horizontal Installation

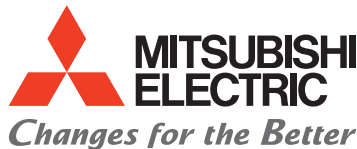
Specifications are subject to change without notice.

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.*

DIMENSIONS: PUZ-A18NKA7



Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.*



for a greener tomorrow

