

SUBMITTAL DATA: PLA-A36BA & PUZ-HA36NHA
36,000 BTU/H CEILING CASSETTE HEAT PUMP SYSTEM

Job Name: _____	Location: _____	Date: _____
Purchaser: _____	Engineer: _____	
Submitted to: _____	For ☐ Reference ☐ Approval ☐ Construction	
Unit Designation: _____	Schedule No.: _____	

GENERAL FEATURES

- Innovative “Flash Injection” technology enables high heating capacity at lower outside temperatures
- Exhibits 100% of rated heating capacity at 5°F; 90% of rated heating capacity at -4°F
- Built-in drain lift mechanism for condensate removal; lifts up to 33-7/16 in.
- Wide air flow pattern for better air distribution; independently adjustable vanes
- Auto wave airflow in heating mode—unit independently cycles through horizontal and vertical positions for a more even heat distribution
- Self-check function—integrated diagnostics
- Hard-wired, wall-mounted, remote controller (PAR-21MAA)
- Limited warranty: one year on parts and defects and six years on compressor

OPTIONAL ACCESSORIES
Indoor Unit

- Multi-function Casement (PAC-SH53TM-E)
- Air Outlet Shutter Plates (PAC-SH51SP-E)
- Wireless Signal Receiver (PAR-SA9FA-E)
- i-see Sensor Corner Panel (PAC-SA1ME-E)
- High-efficiency (MERV 10) Filter (PAC-SH59KF-E)

Outdoor Unit

- M-NET Adapter (PAC-SF80MA-E)
- Air Outlet Guide (PAC-SG59SG-E; two pieces are required)
- Wind Baffle (WB-PA2; two pieces are required)

Cooling*

Rated Capacity 36,000 Btu/h
 Minimum Capacity 18,000 Btu/h
 SEER 16.0 Btu/h/W
 Total Input 3,120 W

Heating*

Rated Capacity 38,000 Btu/h
 Minimum Capacity 18,000 Btu/h
 HSPF (IV) 9.4 Btu/h/W
 Total Input 3,230 W

* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB / 67°F (19°C) WB.
 Outdoor: 95°F (35°C) DB / 75°F (24°C) WB.
 (Heating) - Indoor: 70°F (21°C) DB / 60°F (16°C) WB. Outdoor: 47°F (8°C) DB / 43°F (6°C) WB.

Power Supply 208 / 230V, 1-Phase, 60 Hz
 Breaker Size 30 A

Voltage

Indoor - Outdoor S1-S2 AC 208 / 230V
 Indoor - Outdoor S2-S3 DC 24V
 Indoor - Wired Remote Controller DC 12V

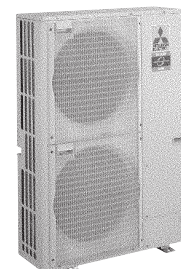
OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	90°F (32°C) DB, 73°F (23°C) WB	115°F (46°C) DB
	Minimum	66°F (19°C) DB, 59°F (15°C) WB	0°F** (-18°C) DB
Heating	Maximum	83°F (28°C) DB	70°F (21°C) DB, 59°F (15°C) WB
	Minimum	63°F (17°C) DB	-13°F (-25°C) DB, -13°F (-25°C) WB

** With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23°F (-5°C) DB.



Indoor Unit: PLA-A36BA


 Remote Controller:
PAR-21MAA


Outdoor Unit: PUZ-HA36NHA

Indoor Unit

MCA 2 A
 Fan Motor 1.00 F.L.A.
 Fan Motor Output 120 W
 Airflow (Lo - M1 - M2 - Hi) 710 - 810 - 920 - 1,060 Dry CFM
 670 - 770 - 880 - 1,030 Wet CFM
 Sound Pressure Level (Lo - M1 - M2 - Hi) . . 32 - 34 - 37 - 40 dB(A)

DIMENSIONS	UNIT INCHES / MM	PANEL INCHES / MM
W	33-1/16 / 840	37-3/8 / 950
D	33-1/16 / 840	37-3/8 / 950
H	11-3/4 / 298	1-3/8 / 35

Weight (Unit/Grille)

lbs. 55 / 13
 kg 25 / 6
 Field Drainpipe Size O.D. 1-1/4" / 32 mm
 Wall-mounted Remote Controller PAR-21MAA
 (See Data Submittal Sheet)

Outdoor Unit

Compressor DC Inverter-driven Scroll
 MCA 28
 Fan Motor 0.4 + 0.4 F.L.A.
 Sound Pressure Level
 Cooling 52 dB(A)
 Heating 53 dB(A)

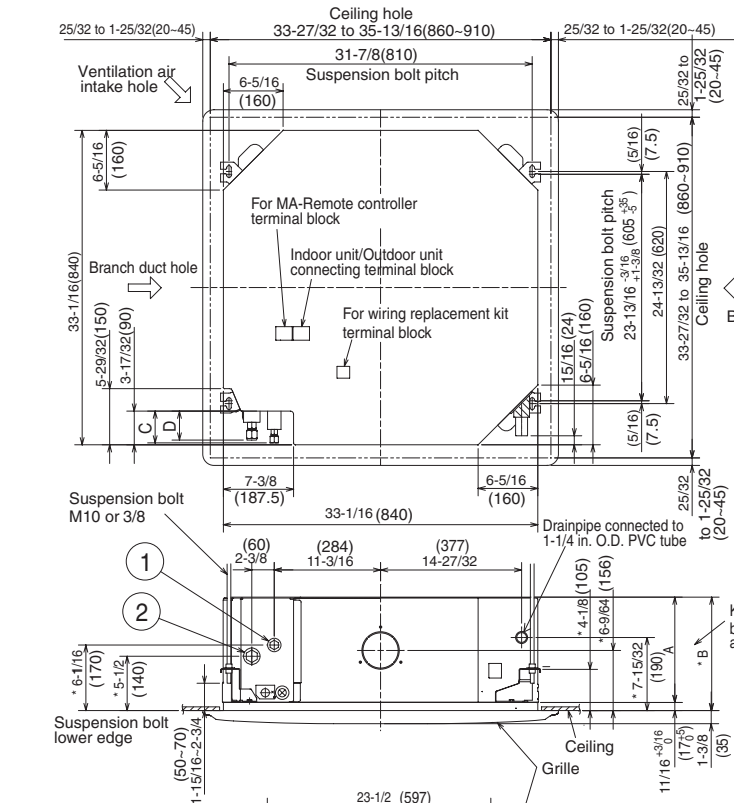
DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	53-1/8 / 1,350

Weight 267 lbs. / 121 kg
 Refrigerant Type R410A
 Refrigerant Pipe Size O.D.
 Gas Side 5/8" / 15.88 mm
 Liquid Side 3/8" / 9.52 mm
 Max. Refrigerant Pipe Length 245' / 75 m
 Max. Refrigerant Pipe Height Difference 100' / 30 m
 Connection Method Flared

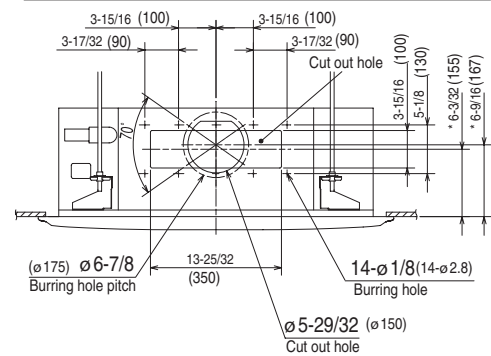

INVERTER

DIMENSIONS: PLA-A36BA

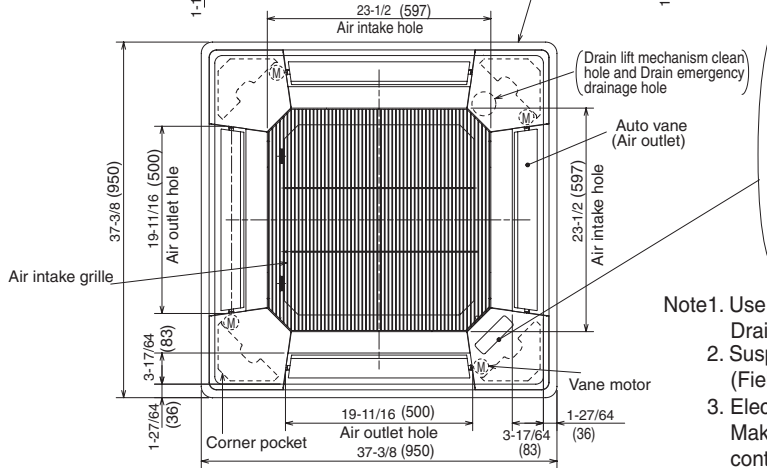
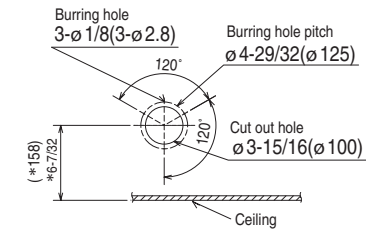
Unit : inch(mm)



Detail connecting of branch duct (nominal 6" round or nominal 4 x 14" rectangular)



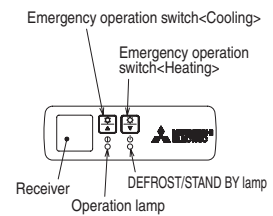
Detail drawing of ventilation air intake connection



In case of standard grille



In case of wireless remote controller



Note1. Use 1-1/4 in. O.D. (32) PVC TUBE.

Drain lift mechanism is included.

2. Suspension bolt, use M10 or W3/8. (Field supplied)

3. Electrical box may be removed for service purposes.

Make sure to include a little slack in the electrical wire for control/power wires connections.

4. The height of the indoor unit is adjustable with the grille attached.

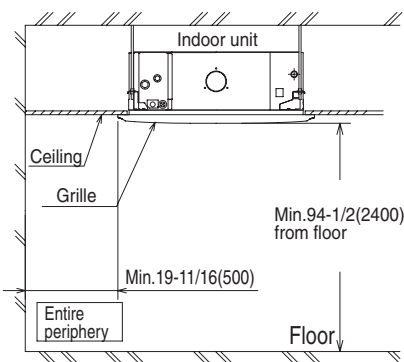
5. For the installation of the optional high efficiency filter, the optional multi-functional casement is required.

1) Add 5-5/16 (135mm) to the dimensions marked with an * in the figures

2) The high efficiency filter requires the multi-functional casement.

6. When installing the branch ducts, be sure to insulate adequately. Otherwise condensation may occur.

7. As for necessary installation/service space, please refer to the bottom left figure.



Models	①	②	A	B	C	D
PLA-A12BA PLA-A18BA	Refrigerant pipe ...ø 6.35mm Flared connection ...1/4	Refrigerant pipe ...ø 12.7mm Flared connection ...1/2	9-1/2 (241)	10-3/16 (258)	3-5/32 (80)	2-29/32 (74)
PLA-A24BA PLA-A30BA PLA-A36BA PLA-A42BA	Refrigerant pipe ...ø 9.52mm Flared connection ...3/8	Refrigerant pipe ...ø 15.88mm Flared connection ...5/8	11-1/16 (281)	11-3/4 (298)	3-11/32 (85)	3-1/32 (77)

4 PIPING-WIRING DIRECTIONS

3 FOUNDATION BOLTS

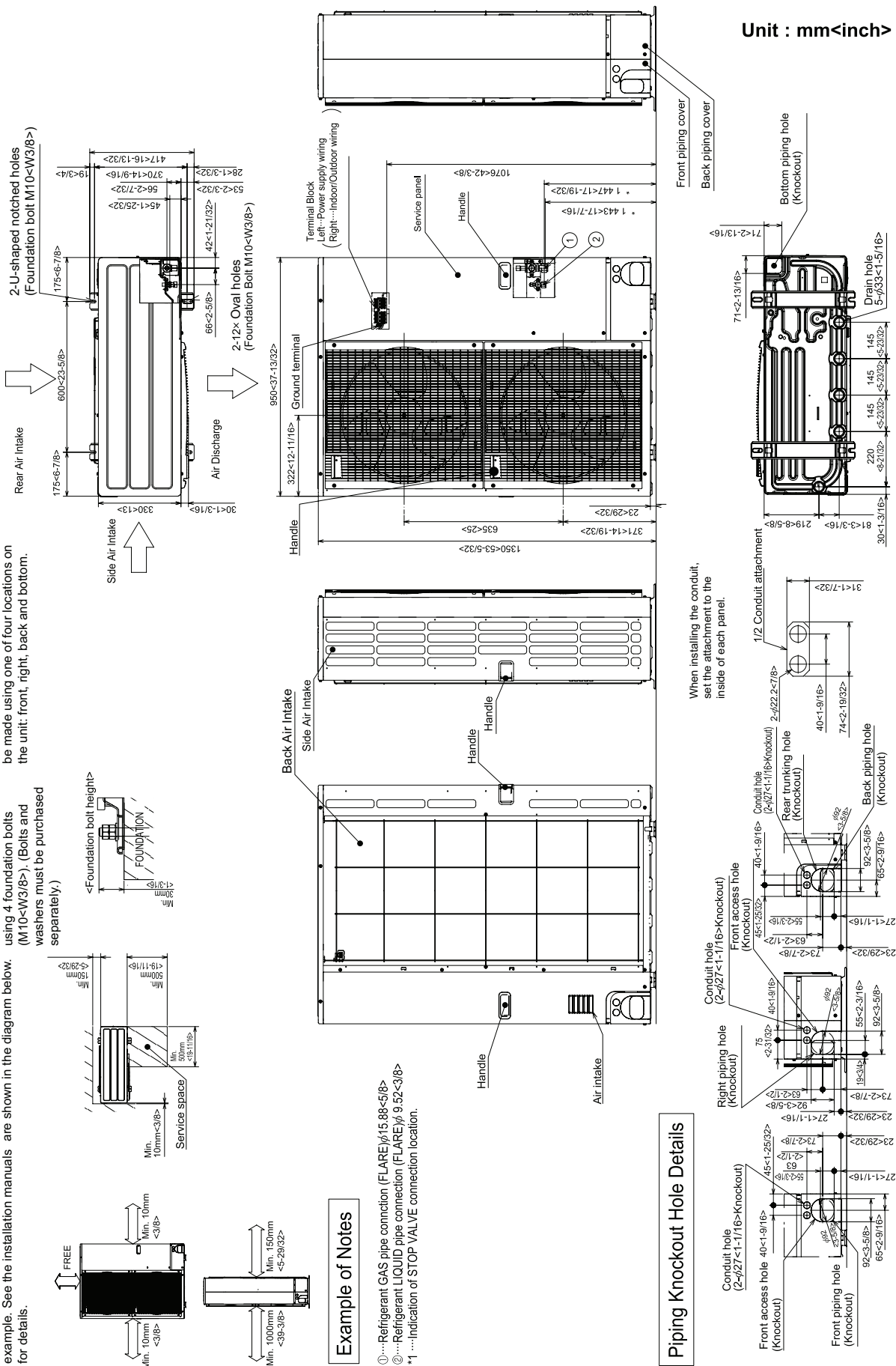
1 CLEARANCE SPACE 2 SERVICE SPACE

The diagram below shows a basic example. See the installation manuals for details.

The piping and wiring connections can be made using one of four locations on the unit: front, right, back and bottom.

4 PIPING-WIRING DIRECTIONS

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Unit : mm<inch>

NOTES



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Specifications are subject to change without notice.