

SUBMITTAL DATA: PCA-A36KA & PUY-A36NHA3

36,000 BTU/H CEILING-SUSPENDED AIR-CONDITIONING SYSTEM

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

GENERAL FEATURES

- Ceiling-suspended indoor unit for residential and commercial applications
- Shiny white cabinet; compact design
- Standard air filter is included with indoor unit; high-efficiency filter is available as an option
- Quiet operation—both indoor and outdoor units
- Optional Wireless Remote Controller with Receiver Kit is available with or without i-see Sensor
- i-see Sensor available as a stand-alone option
- PAR-21MAA wired remote controller is included
- Self-check function—integrated diagnostics
- Limited warranty: five years on parts and defects and seven years on compressors

OPTIONAL ACCESSORIES
Indoor Unit

- Condensate Pump (PAC-SH84DM-E)
- Remote Temperature Sensor (PAC-SE41TS-E)
- i-see Sensor (PAC-SH91MK-E)
- Wireless Remote Controller (PAR-FL32MA)
- Wireless Remote Control with Receiver Kit (PAR-SL93B-E)
- Wireless Remote Control with Receiver and i-see Sensor Kit (PAR-SA92MW-E)
- High-efficiency Filter (MERV 8) (PAC-SH89KF-E)

Outdoor Unit

- M-NET Adapter (PAC-SF80MA-E)
- Air Outlet Guide (PAC-SG59SG-E)
- Wind Baffle (WB-PA2)

Cooling*

Rated Capacity	35,000 Btu/h
Minimum Capacity	12,000 Btu/h
SEER	14.4 Btu/h/W
Total Input	4,630 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.

Electrical Requirements

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 - Remote Controller	DC 12V

OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95°F (35°C) DB, 71°F (22°C) WB	115°F (46°C) DB
	Minimum	67°F (19°C) DB, 57°F (14°C) WB	0°F** (-18°C) DB

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



Indoor Unit: PCA-A36KA


Remote Controller:
PAR-21MAA


Outdoor Unit: PUY-A36NHA3

Indoor Unit

MCA	2 A
Fan Motor	0.97 F.L.A.
Fan Motor Output	160 W
Airflow (Lo - Mid2 - Hi)	775 - 850 - 920 - 990 Dry CFM 705 - 775 - 850 - 920 Wet CFM
Air Filter	Polypropylene Honeycomb
Sound Pressure Level (Lo - Mid1 - Mid2 - Hi)	37 - 39 - 41 - 43 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	63 / 1,600
D	26-3/4 / 680
H	9-1/16 / 230

Weight	79 lbs. / 36 kg
External Finish	Munsell No. 6.4Y 8.9 / 0.4
Field Drainpipe Size O.D.	1-1/16" / 26 mm
Wall-mounted Remote Controller	PAR-21MAA (See Data Submittal Sheet)

Outdoor Unit

Compressor	DC Inverter-driven Twin Rotary
MCA	25 A
Fan Motor	0.75 F.L.A.
Sound Pressure Level	
Cooling	.48 dB(A)

DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	37-1/8 / 943

Weight	163 lbs. / 74 kg
External Finish	Munsell No. 3Y 7.8 / 1.1
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	165' / 50 m
Max. Refrigerant Pipe Height Difference	100' / 30 m
Connection Method	Flared

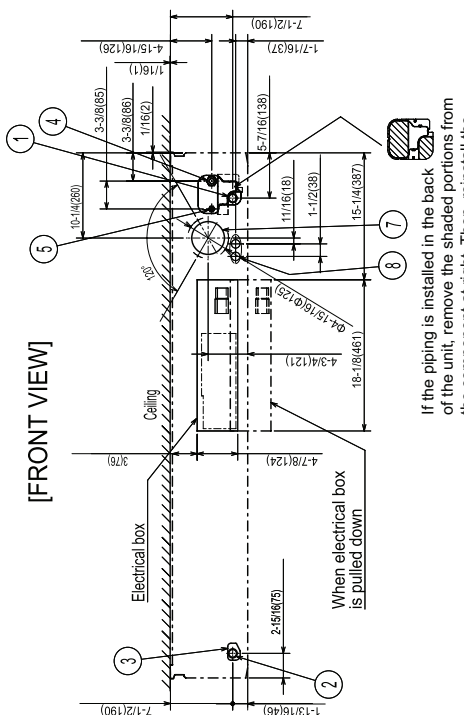

INVERTER

DIMENSIONS: PCA-A36KA

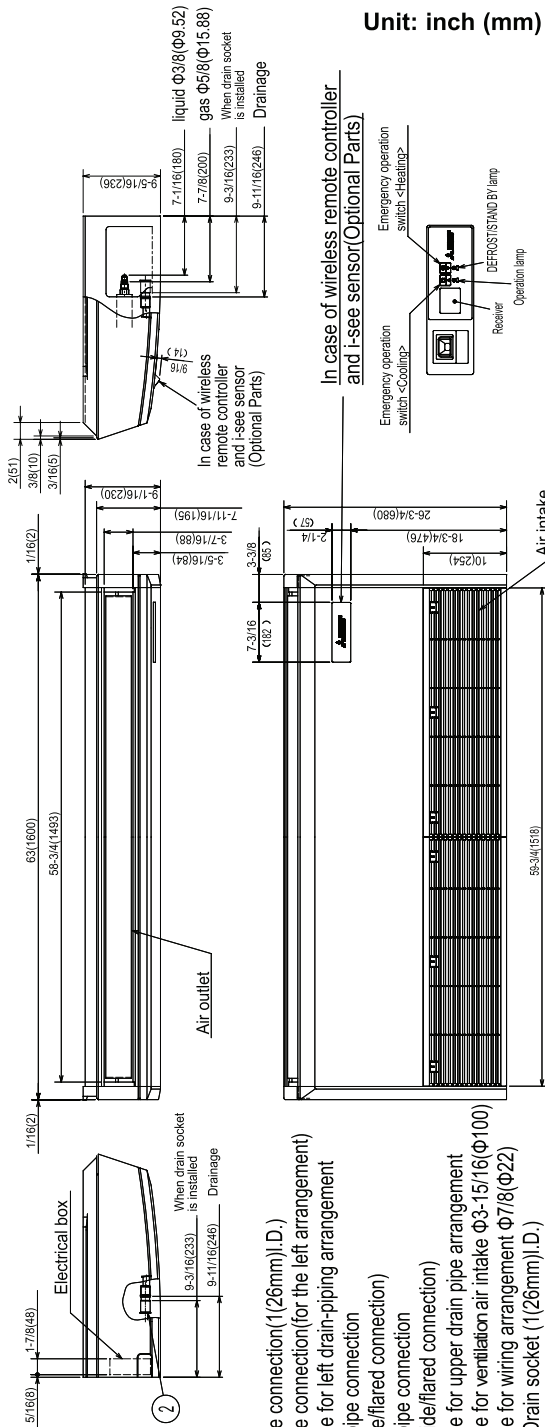
Unit: inch (mm)

NOTES.

1. Use M10 or W3/8 screw for anchor bolt.
2. Please be sure when installing the drain lift up mechanism (option parts), refrigerant pipe will be only upward.



If the piping is installed in the back of the unit, remove the shaded portions from the component at right. Then, reinstall the component in its original position (the heat exchanger might be clogged because of dust).



- ① Drainage pipe connection(1/26mm)I.D.)
 - ② Drainage pipe connection(for the left arrangement)
 - ③ Knockout hole for left drain-piping arrangement
 - ④ Refrigerant-pipe connection
(gas pipe side/flared connection)
 - ⑤ Refrigerant-pipe connection
(liquid pipe side/flared connection)
 - ⑥ Knockout hole for upper drain pipe arrangement
 - ⑦ Knockout hole for ventilation air intake $\Phi 3\text{-}15/16(\Phi 100)$
 - ⑧ Knockout hole for wiring arrangement $\Phi 7/8(\Phi 22)$
- Accessory...Drain socket (1/26mm)I.D.)

DIMENSIONS: PUY-A36NHA3

1 FREE SPACE (Around the unit)

The diagram below shows a basic example.

2 SERVICE SPACE

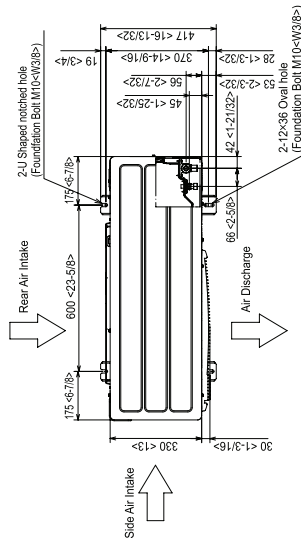
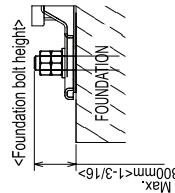
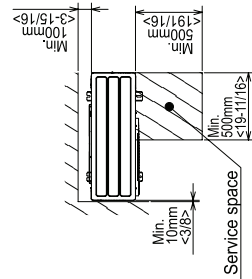
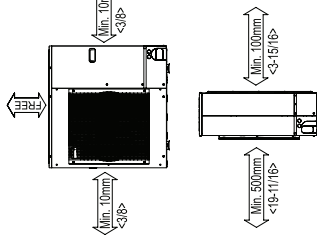
Dimensions of space needed for service access are shown in the below diagram.

3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10<W3/8>) bolts. (Bolts and washers must be purchased locally.)

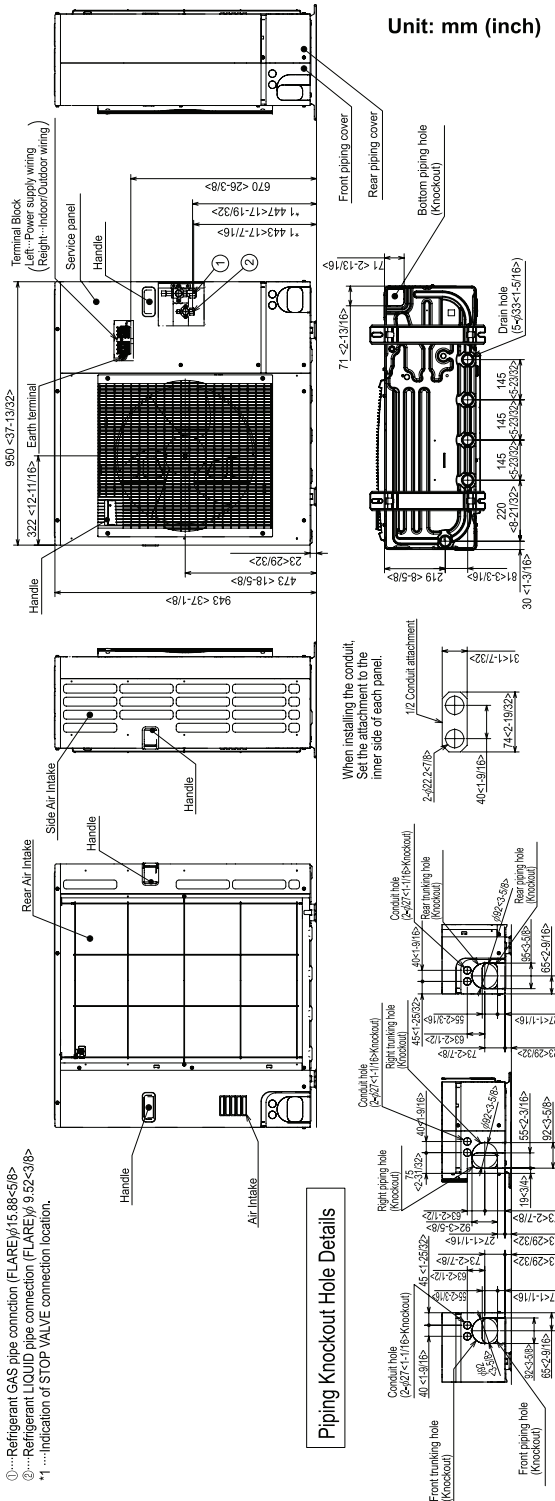
4 PIPING-WIRING DIRECTION:

Piping and wiring connections can be made from 4 directions: front, right, rear and below.



Example of Notes

- ①.....Refrigerant GAS pipe connection (FLARE) ϕ 15.88<5/8>
②.....Refrigerant LIQUID pipe connection (FLARE) ϕ 9.52<3/8>
*.....Indication of STOP VALVE connection location.



HVAC Advanced Products Division
3400 Lawrenceville Suwanee Rd
Suwanee, GA 30024
Tele: 678-376-2900 • Fax: 800-889-9904
Toll Free: 800-433-4822 (#3)
www.mehvac.com
Specifications are subject to change without notice.