

SUBMITTAL DATA: PCA-A36KA & PUZ-A36NHA3
36,000 BTU/H CEILING-SUSPENDED HEAT-PUMP 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

- External Heat Adapter (PAC-YU25HT)
- CN24 Relay Kit (CN24RELAY-KIT-CM)
- 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

Heating at 47°F*

Rated Capacity 37,000 Btu/h
Minimum Capacity 12,000 Btu/h
HSPF (IV) 10.2 Btu/h/W
Total Input 3,190 W

Heating at 17°F*

Rated Capacity 25,000 Btu/h
Total Input 2,800 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.
(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.

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
Heating	Maximum	80°F (27°C) DB, 67°F (19°C) WB	70°F (21°C) DB, 59°F (15°C) WB
	Minimum	70°F (21°C) DB, 60°F (16°C) WB	12°F (-11°C) DB, 10°F (-12°C) WB

** 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: PUZ-A36NHA3

Indoor Unit

MCA 2 A
Fan Motor 0.97 F.L.A.
Fan Motor Output 160 W
Airflow (Lo - Mid1 - 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)
Heating 50 dB(A)

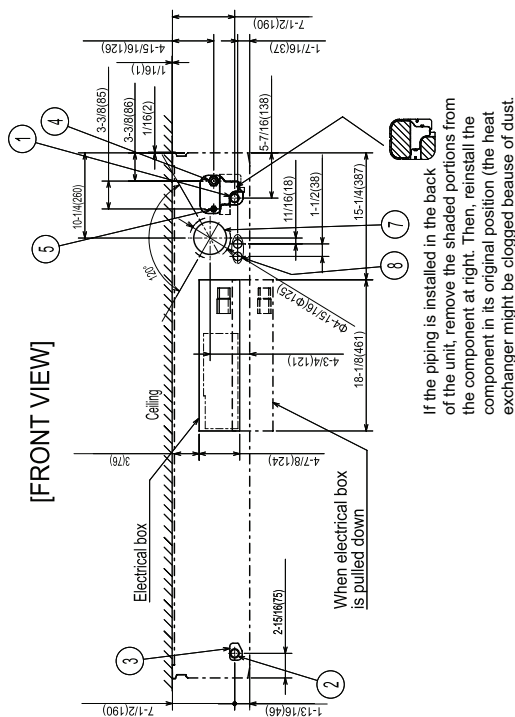
DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	37-1/8 / 943

Weight 165 lbs. / 75 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

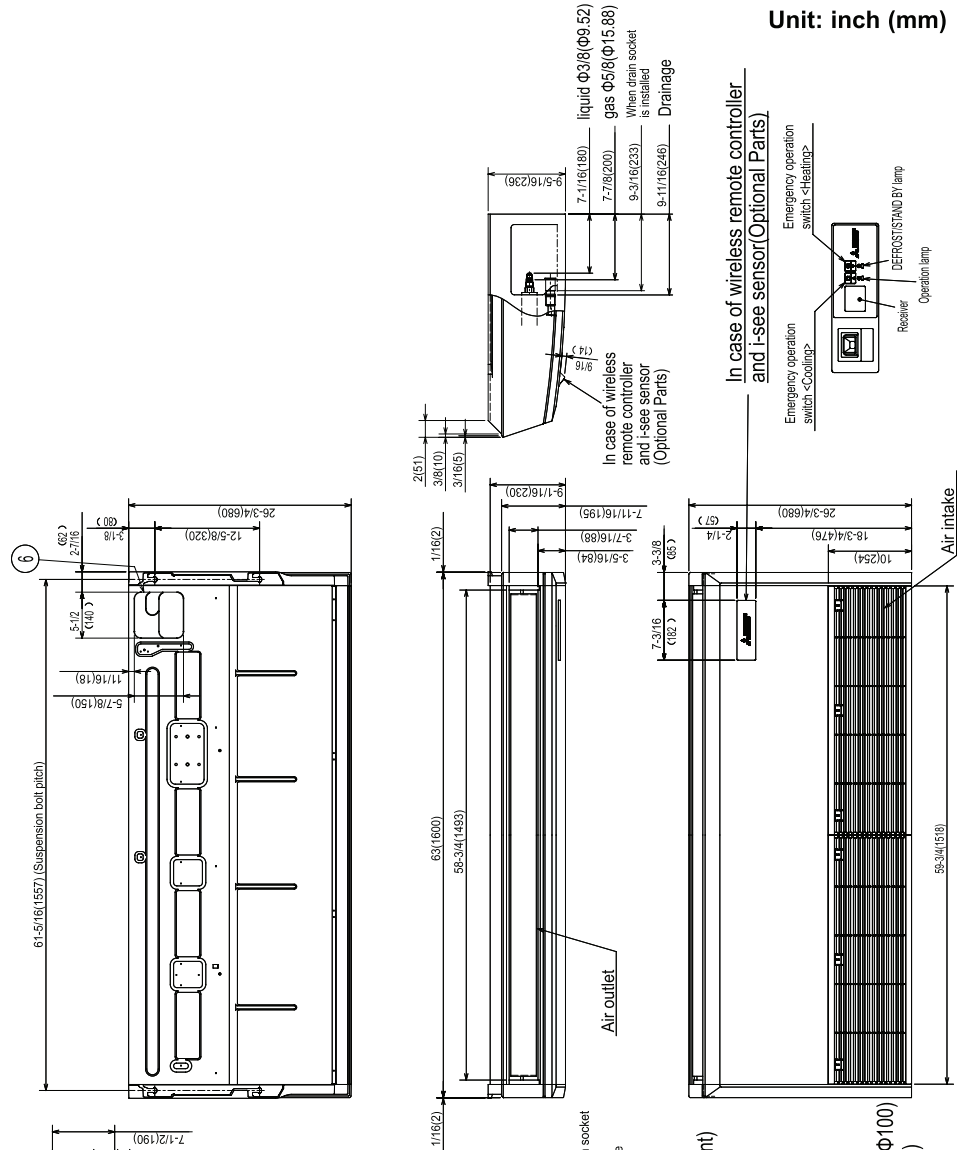
DIMENSIONS: PCA-A36KA

[FRONT VIEW]



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.



Unit: inch (mm)

- ① Drainage pipe connection(1/26mm)(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)(D.)

DIMENSIONS: PUZ-A36NHA3

4 PIPING-WIRING DIRECTIONS

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

3 FOUNDATION BOLTS

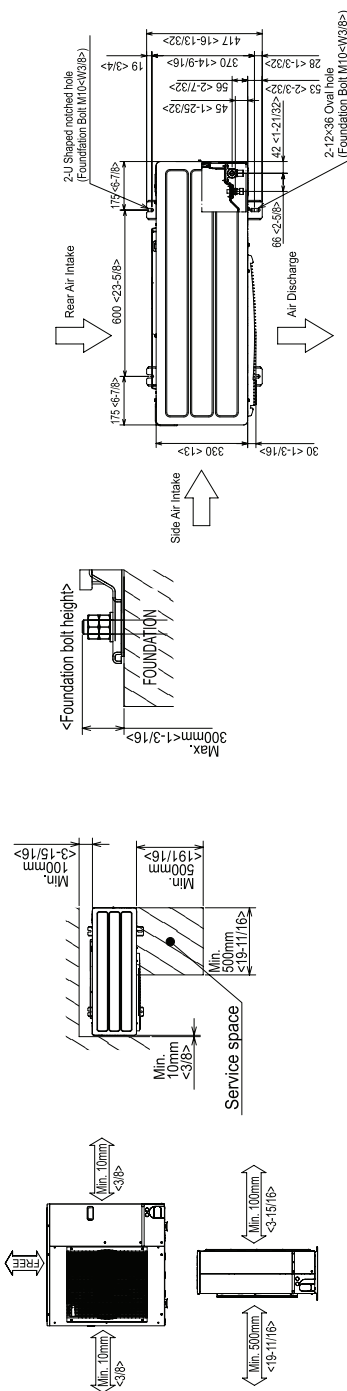
Please secure the unit firmly with 4 foundation (M10×W3/8) bolts. (Bolts and washers must be purchased locally.)

2 SERVICE SPACE

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

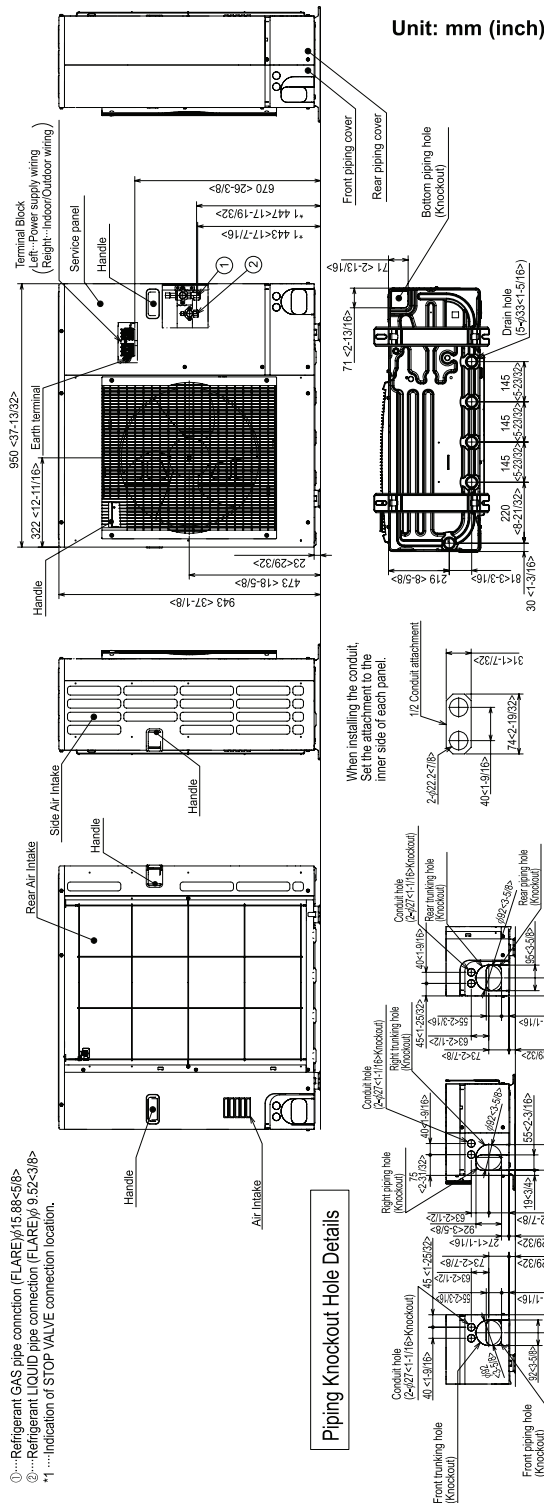
1 FREE SPACE (Around the unit)

The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.



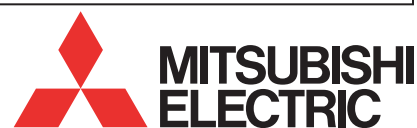
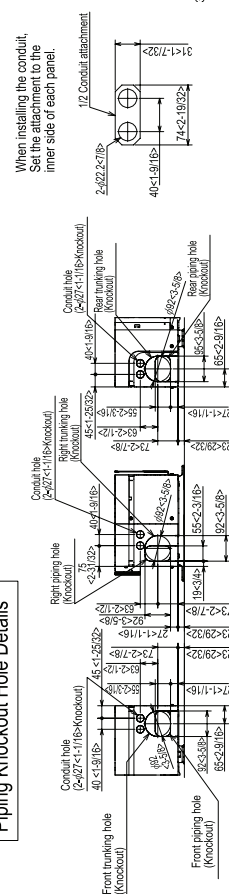
Example of Notes

- ① --- Refrigerant GAS pipe connection (FLARE) 1/5.88×5/8"
- ② --- Refrigerant LIQUID pipe connection (FLARE) 9/32×3/8"
- 1 ... Indication of STOP VALVE connection location.



Unit: mm (inch)

Piping Knockout Hole Details



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 Specifications are subject to change without notice.

