

SUBMITTAL DATA: PCA-A42KA4 & PUY-A42NHA4.....42,000 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
- Setback down to 50°F when used with MRCH1 Central Controller
- Quiet operation—both indoor and outdoor units
- Self-check function—integrated diagnostics
- Limited warranty: five years on parts/defects, seven years on compressors

OPTIONAL ACCESSORIES
Indoor Unit

- ▣ Mini Condensate Pump (PAC-SH84DM, 230V)
- ▣ High-efficiency Filter (PAC-SH89KF)
- ▣ i-see Sensor with Mount (PAC-SH91MK-E)

Outdoor Unit

- ▣ Drain Pan (PAC-SG64DP)
- ▣ Drain Socket (PAC-SG61DS)
- ▣ Three-pole Disconnect Switch (TAZ-MS303)
- ▣ Wind Baffle (WB-PA2; two pieces are required)
- ▣ Air Outlet Guide (PAC-SG59SG; two pieces are required)
- ▣ Mounting Base (DSD-400N)
- ▣ Mounting Pad (ULTRILITE2)
- ▣ Wall-mounting Brackets (CWMB1)

Controller Options

- ▣ Wireless Remote Controller Kit (MHK1) with Wall-mounted Central Controller (MRCH1), Wireless Receiver (MIFH1), and cable*
- ▣ Wall-mounted Central Controller (MRCH1)*
- ▣ Wireless Receiver (MIFH1)*
- ▣ Portable Central Controller (MCCH1; for use with Wireless Remote Controller Kit MHK1)*
- ▣ Outdoor Air Sensor (MOS1; for use with Central Controller (MRCH1), Wireless Remote Controller Kit (MHK1) and Portable Central Controller (MCCH1)*

*See Submittal for information on each option.

- ▣ Wall-mounted Wired Remote Controller (PAR-21MAA)
- ▣ M-NET Adapter (PAC-SF81MA)
- ▣ CN51 Connector for Multiple Remote Controller Adapters/Duct Fan Controller (PAC-725AD)
- ▣ CN32 Connector for Remote On/Off (PAC-715AD)
- ▣ Remote Temperature Sensor (PAC-SE41TS)
- ▣ Remote Operation Adapter - Display and On/Off (PAC-SF40RM)
- ▣ Wireless Remote Controller Kit (PAR-SL93B)
- ▣ i-See Sensor and Wireless Remote Controller Kit (PAR-SA92MW)
- ▣ Lockdown Bracket for Handheld Controller (RCMKP1CB)
- ▣ Control/Service Tool (PAC-SK52ST)

Cooling*

Rated Capacity 42,000 Btu/h
 Minimum Capacity 18,000 Btu/h
 SEER 15.8 Btu/h/W
 EER 10.2 Btu/h/W
 Total Input 4,110 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
 Recommended Fuse/Breaker Size 30 A

Voltage

Indoor - Outdoor S1-S2 AC 208 / 230V
 Indoor - Outdoor S2-S3 DC 24V

OPERATING CONDITIONS

		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-A42KA4



Outdoor Unit: PUY-A42NHA4

Indoor Unit

MCA 2 A
 Fan Motor 0.97 F.L.A.
 Fan Motor Output 160 W
 Airflow (Lo - Mid1 - Mid2 - Hi) 810 - 885 - 955 - 1,025 Dry CFM
 740 - 810 - 885 - 955 Wet CFM
 Air Filter Polypropylene Honeycomb
 Sound Pressure Level (Lo - Mid1 - Mid2 - Hi) 39 - 41 - 43 - 45 dB(A)
 SHF 0.69
 Moisture Removal 11.7 pt./h

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

Weight 84 lbs. / 38 kg
 External Finish Munsell No. 6.4Y 8.9 / 0.4
 Field Drainpipe Size O.D. 1-1/16" / 26 mm

Outdoor Unit

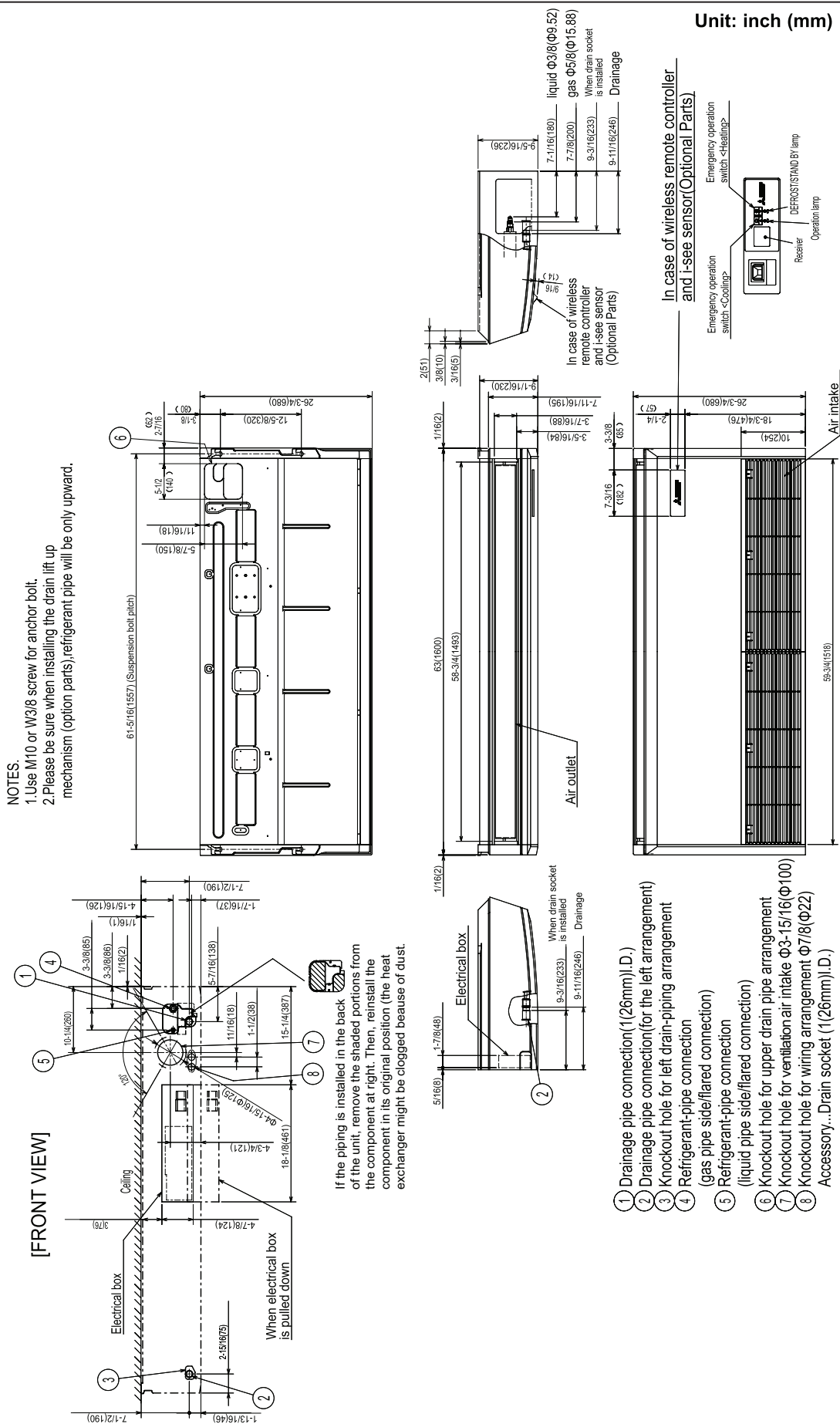
Compressor Inverter-driven Scroll
 MCA 26 A
 MOC.P 40 A
 Fan Motor 0.4 + 0.4 F.L.A.
 Sound Pressure Level
 Cooling 51 dB(A)

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

Weight 258 lbs. / 117 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-A42KA4



DIMENSIONS: PUY-A42NHA4

Unit: mm (inch)

1 FREE SPACE (Around the unit)

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

2 SERVICE SPACE

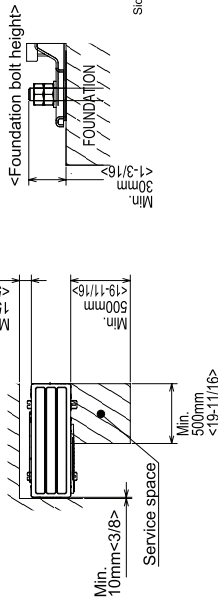
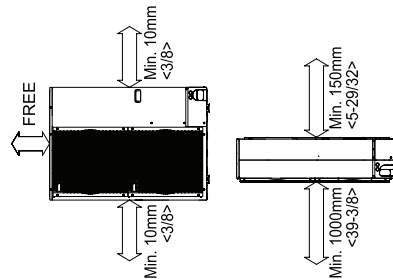
Dimensions of space needed for service access are shown in the below diagram.

3 FOUNDATION BOLTS

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

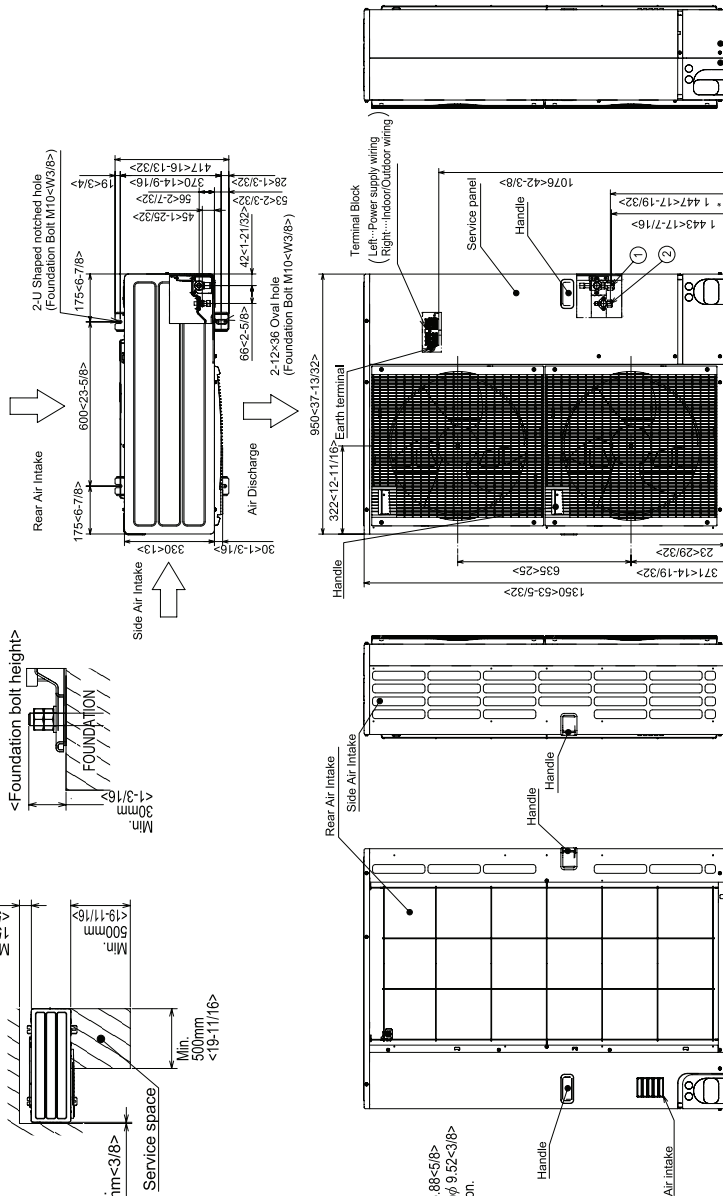
4 PIPING-WIRING DIRECTIONS

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

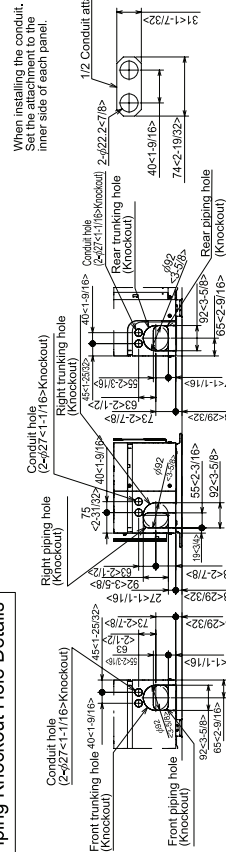


Example of Notes

- ①...Refrigerant GAS pipe connection (FLARE)φ15.88<5/8>
- ②...Refrigerant LIQUID pipe connection (FLARE)φ 9.52<3/8>
- *1 ...Indication of STOP VALVE connection location.



Piping Knockout Hole Details



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Specifications are subject to change without notice.



Unitary Small AC
AHRI Standard 210/240

Certification applies only when the complete system is listed with AHRI.

