

SUBMITTAL DATA: PCA-A42KA & PUY-A42NHA3

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 small commercial applications
- Shiny white; 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 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

- i-see Sensor (PAC-SH91MK-E)
- Wireless Remote Control Receiver Kit (PAR-SL93B-E)
- Wireless Remote Control Receiver Kit with i-see Sensor (PAR-SA92MW-E)
- High-efficiency Filter (MERV 8) (PAC-SH90KF-E)

Outdoor Unit

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

Cooling*

Rated Capacity 42,000 Btu/h
Minimum Capacity 18,000 Btu/h
SEER 15.8 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
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-A42KA


Remote Controller:
PAR-21MAA


Outdoor Unit: PUY-A42NHA3

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)

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
Wall-mounted Remote Controller PAR-21MAA
(See Data Submittal Sheet)

Outdoor Unit

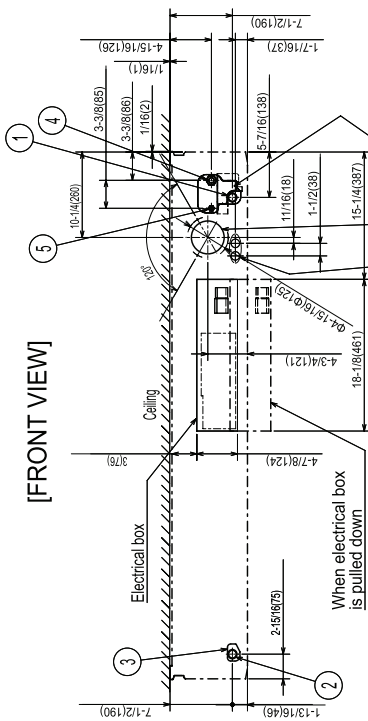
Compressor Inverter-driven Scroll
MCA 26 A
Fan Motor 0.4 + 0.4 F.L.A.
Sound Pressure Level
Cooling 51 dB(A)

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

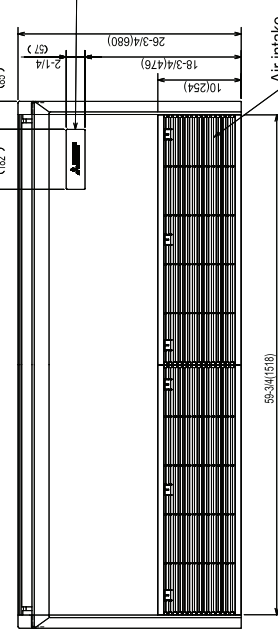
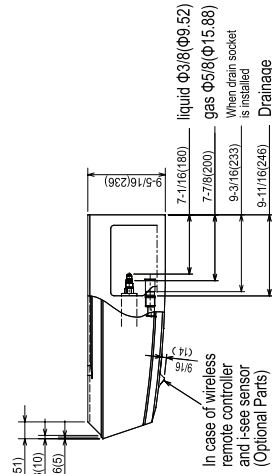
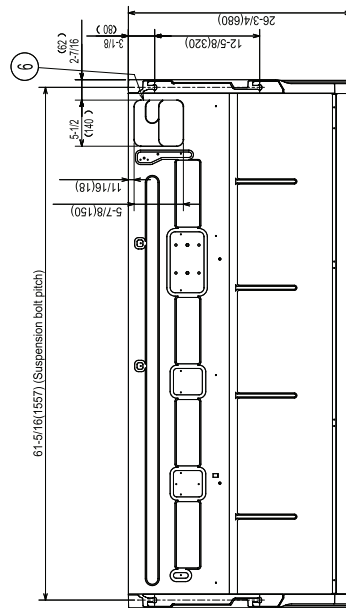
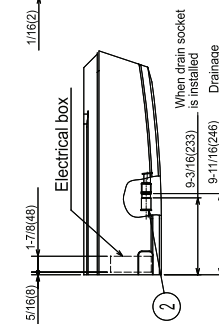
Weight 258 lbs. / 117 kg
External Finish Munsell No. 3Y 7.8 / 1.1
Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side 5/8" / 15.88 mm
Liquid Side 3/8" / 9.52 mm
Max. Refrigerant Pipe Length 165' / 50 m
Max. Refrigerant Pipe Height Difference 100' / 30 m
Connection Method Flared

DIMENSIONS: PCA-A42KA

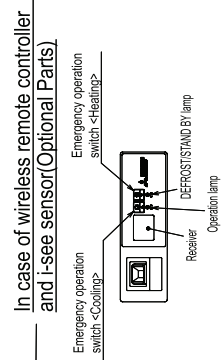
[FRONT VIEW]



 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.



Unit: inch (mm)



- 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 $\Phi 3-15/16(\Phi 100)$
 - ⑧ Knockout hole for wiring arrangement $\Phi 7/8(\Phi 22)$
- Accessory...Drain socket (1/26mm) (I.D.)

DIMENSIONS: PUY-A42NHA3

