

SUBMITTAL DATA: PCA-A42KA & PUZ-A42NHA3
42,000 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 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

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

Heating at 47°F*

Rated Capacity	45,000 Btu/h
Minimum Capacity	18,000 Btu/h
HSPF (IV)	10.2 Btu/h/W
Total Input	3,830 W

Heating at 17°F*

Rated Capacity	30,000 Btu/h
Total Input	3,820 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-A42KA


 Remote Controller:
PAR-21MAA


Outdoor Unit: PUZ-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)
Heating	55 dB(A)

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

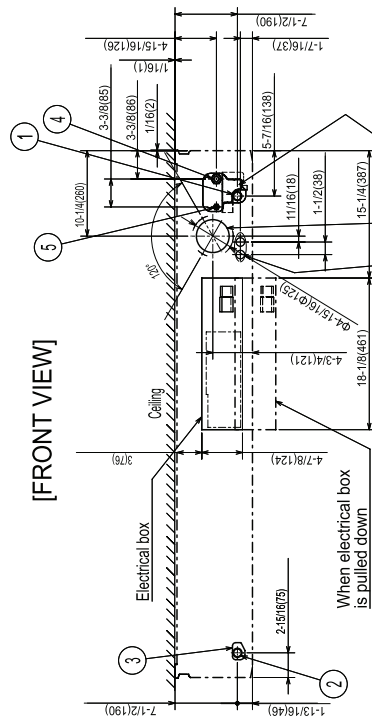
Weight	260 lbs. / 118 kg
External Finish	Munsell No. 3Y 7.8 / 1.1
Refrigerant Type	R410A
Refrigerant Pipe Size O.D.	
Gas Side	5/8" / 15.88 mm
Liquid Side	3/8" / 9.52 mm
Max. Refrigerant Pipe Length	165' / 50 m
Max. Refrigerant Pipe Height Difference	100' / 30 m
Connection Method	Flared


INVERTER

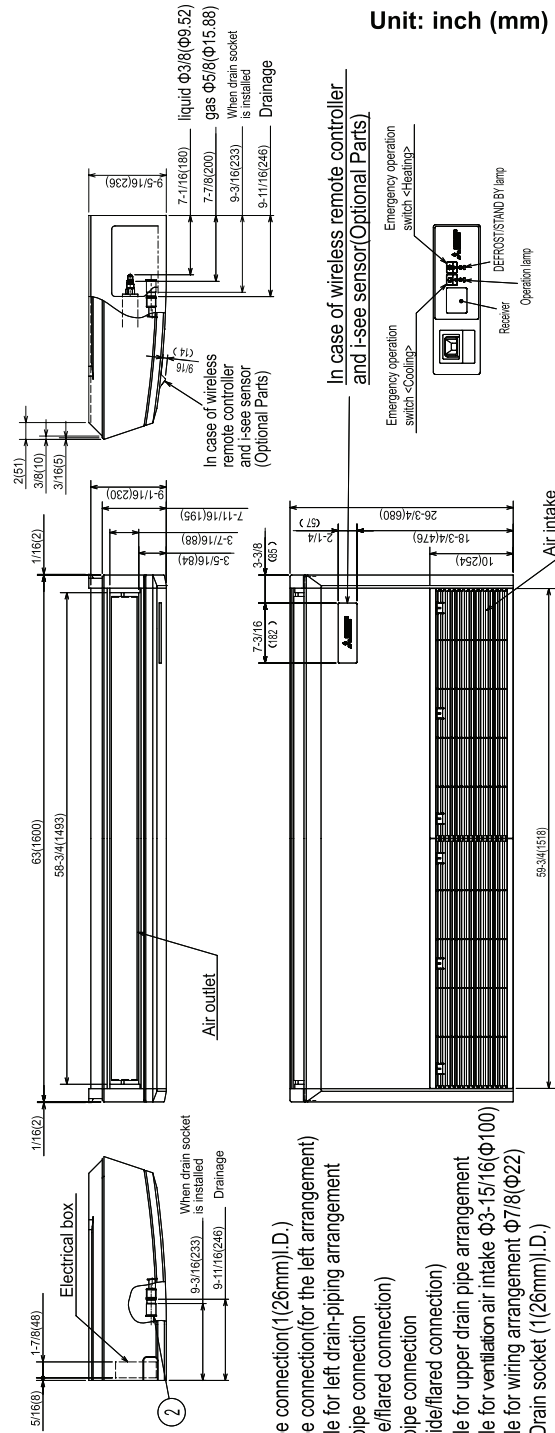
DIMENSIONS: PCA-A42KA

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 $\Phi 3.15/16(\Phi 100)$
- ⑧ Knockout hole for wiring arrangement $\Phi 7/8(\Phi 22)$
Accessory...Drain socket (1/26mm)I.D.)

DIMENSIONS: PUZ-A42NHA3

