

SUBMITTAL DATA: PCA-A42KA4 & PUZ-A42NHA4..... 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 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

Heating at 47°F*

Rated Capacity.....45,000 Btu/h
Minimum Capacity.....18,000 Btu/h
HSPF (IV).....10.2 Btu/h/W
COP.....3.44
Total Input.....3,830 W

Heating at 17°F*

Rated Capacity.....30,000 Btu/h
Total Input.....3,820 W
COP.....2.30

* 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
Recommended Fuse/Breaker Size.....30 A

Voltage

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



Indoor Unit: PCA-A42KA4



Outdoor Unit: PUZ-A42NHA4

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

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

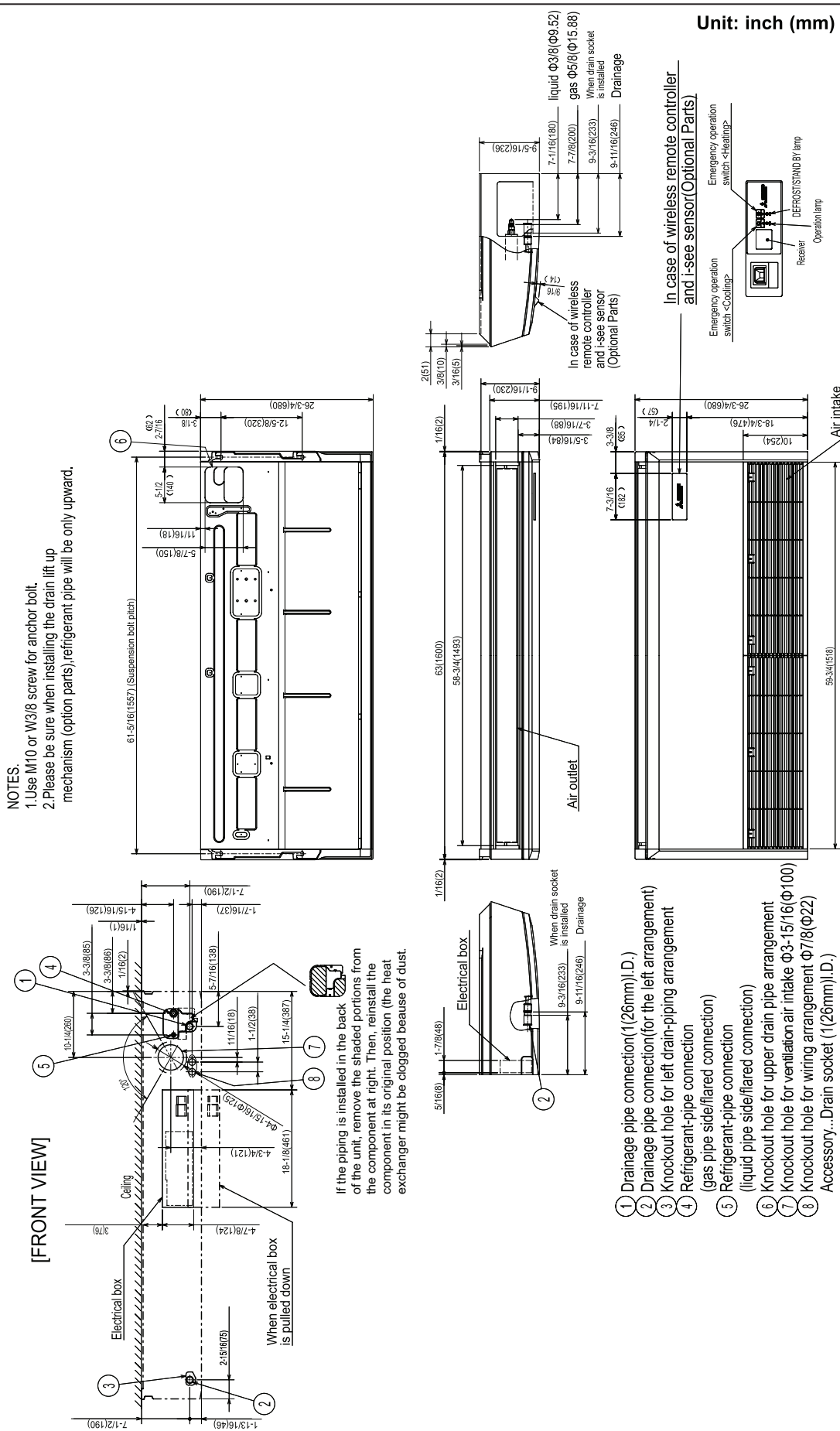
Compressor.....Inverter-driven Scroll
MCA.....26 A
MOCP.....40 A
Fan Motor.....0.4 + 0.4 F.L.A.
Sound Pressure Level
Cooling......51 dB(A)
Heating......55 dB(A)

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



DIMENSIONS: PCA-A42KA4



DIMENSIONS: PUZ-A42NHA4

