

SUBMITTAL DATA: PKA-A18HAL & PUZ-A18NHA3
18,000 BTU/H WALL-MOUNTED HEAT-PUMP SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For ☐ Reference ☐ Approval ☐ Construction	
Unit Designation:	Schedule No.:	

GENERAL FEATURES

- Wall-mounted indoor unit for residential and commercial applications
- Shiny-white—exterior plastic; compact design
- Quiet operation—both indoor and outdoor units
- Wireless 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)
- Remote Temperature Sensor (PAC-SE41TS-E)

Outdoor Unit

- M-NET Adapter (PAC-SF80MA-E)
- Air Outlet Guide (PAC-SG58SG-E)
- Wind Baffle (WB-PA1)

Cooling*

Rated Capacity 18,000 Btu/h
 Minimum Capacity 8,000 Btu/h
 SEER 15.3 Btu/h/W
 Total Input 2,240 W

Heating at 47°F*

Rated Capacity 19,000 Btu/h
 Minimum Capacity 8,000 Btu/h
 HSPF (IV) 9.5 Btu/h/W
 Total Input 1,970 W

Heating at 17°F*

Rated Capacity 13,000 Btu/h
 Total Input 1,670 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 15 A

Voltage

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

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



Indoor Unit: PKA-A18HAL



Wireless Remote Controller



Outdoor Unit: PUZ-A18NHA3

temperature will be 23°F (-5°C) DB.

Indoor Unit

MCA 1 A
 Fan Motor 0.33 F.L.A.
 Fan Motor Output 30 W
 Airflow (Lo - Mid - Hi) 320 - 370 - 425 Dry CFM
 290 - 335 - 380 Wet CFM
 Air Filter Polypropylene Honeycomb
 Sound Pressure Level (Lo - Mid - Hi) 36 - 40 - 43 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	35-3/8 / 898
D	9-13/16 / 249
H	11-5/8 / 295

Weight 29 lbs. / 13 kg
 External Finish Munsell No. 1.0Y 9.2 / 0.2
 Field Drainpipe Size O.D. 5/8" / 16 mm
 Remote Controller Wireless

Outdoor Unit

Compressor DC Inverter-driven Twin Rotary
 MCA 13 A
 Fan Motor 0.35 F.L.A.
 Sound Pressure Level
 Cooling 46 dB(A)
 Heating 47 dB(A)

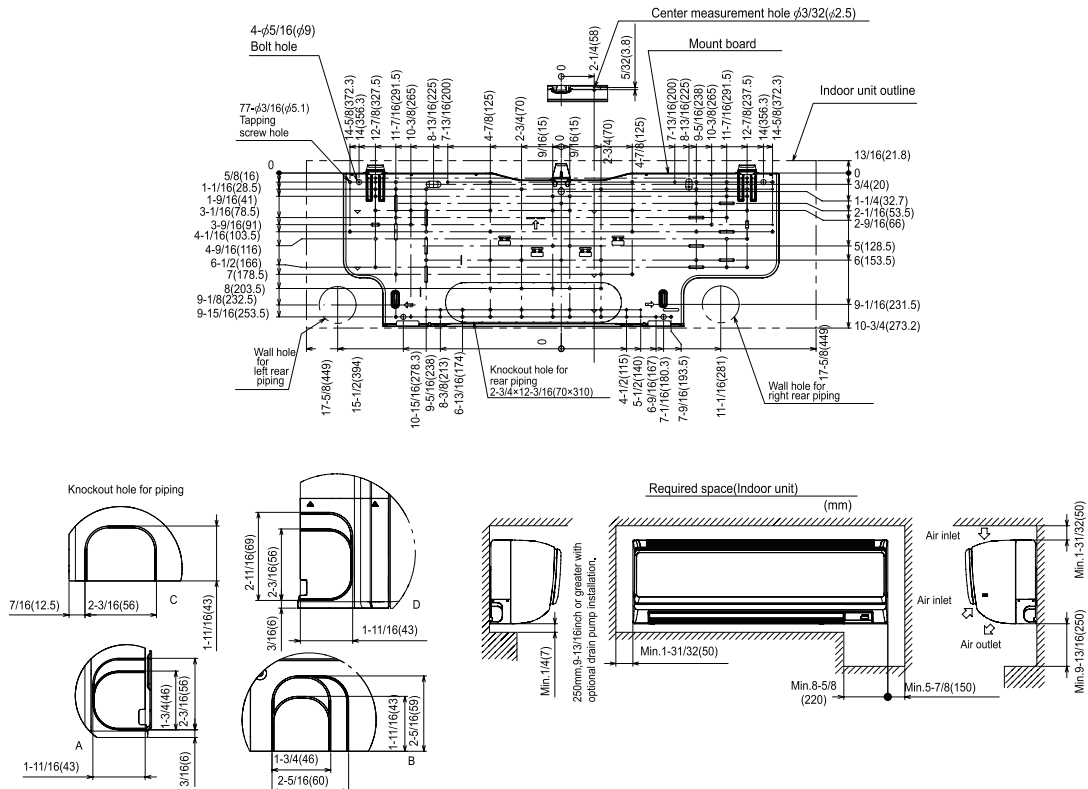
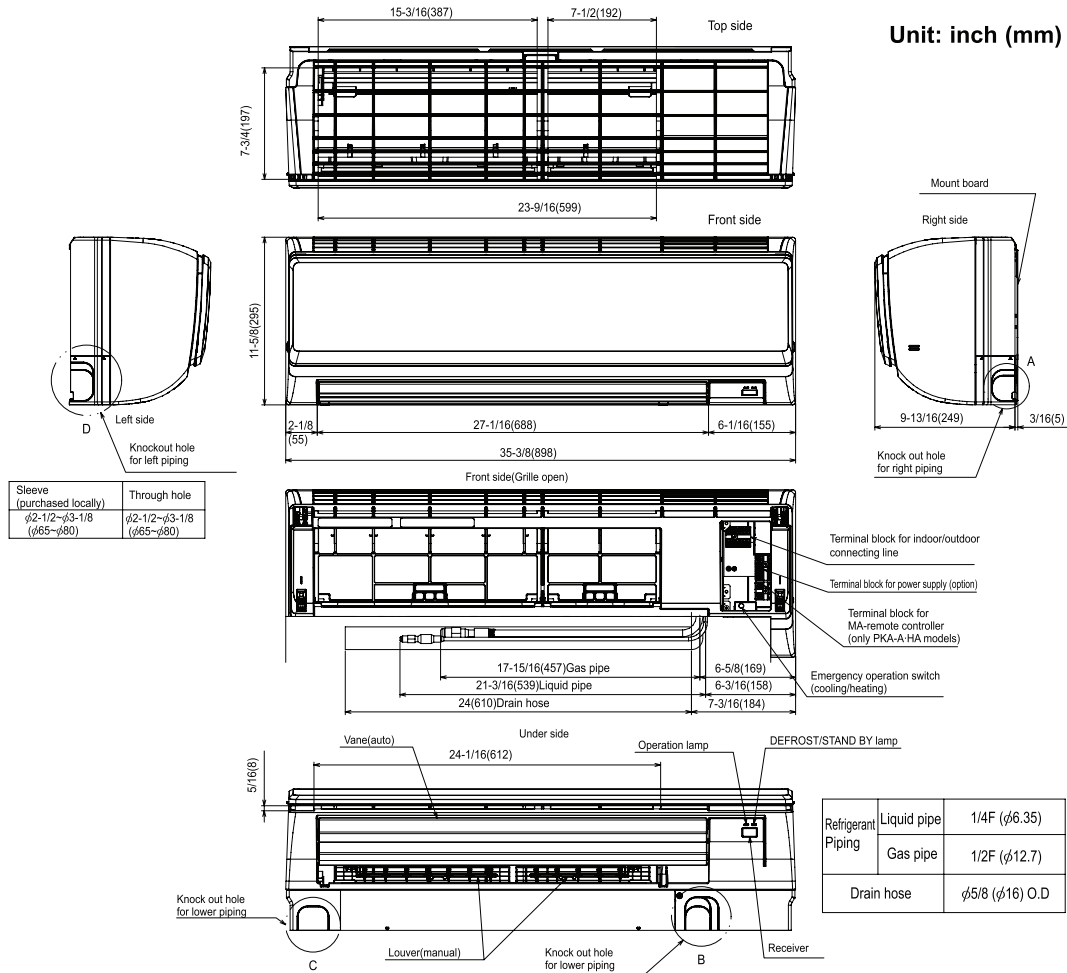
DIMENSIONS	INCHES / MM
W	31-1/2 / 800
D	13 + 7/8 / 330 + 23
H	23-5/8 / 600

Weight 99 lbs. / 45 kg
 External Finish Munsell No. 3Y 7.8 / 1.1
 Refrigerant Type R410A
 Refrigerant Pipe Size O.D.
 Gas Side 1/2" / 12.7 mm
 Liquid Side 1/4" / 6.35 mm
 Max. Refrigerant Pipe Length 100' / 30 m
 Max. Refrigerant Pipe Height Difference 100' / 30 m
 Connection Method Flared


INVERTER

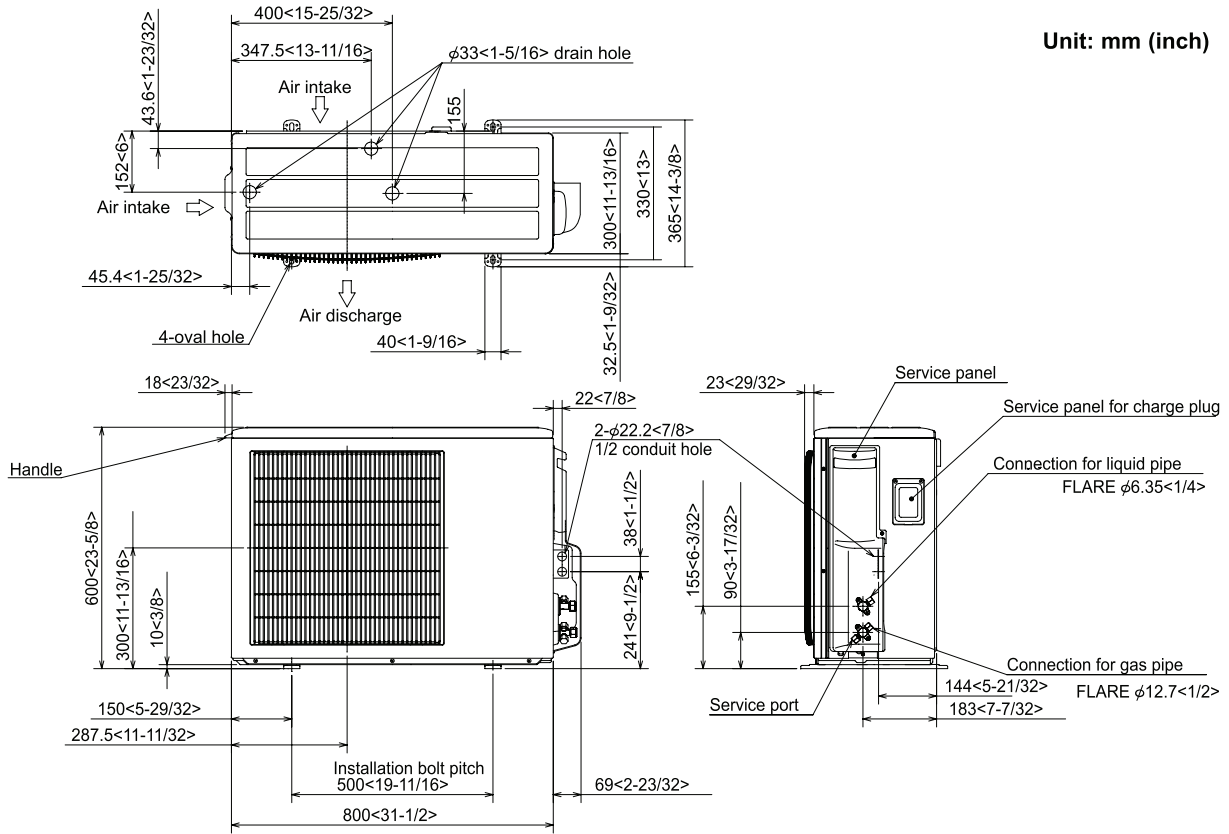
DIMENSIONS: PKA-A18HAL

Unit: inch (mm)

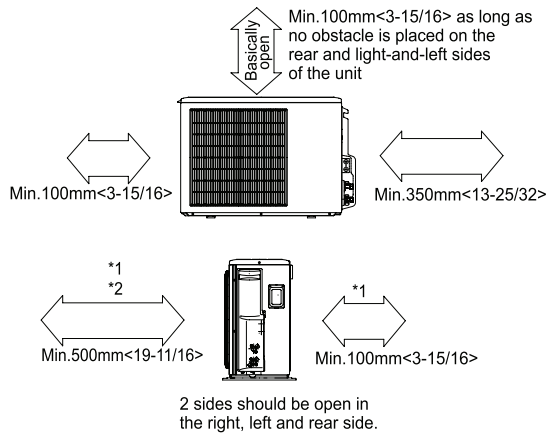


DIMENSIONS: PUZ-A18NHA3

Unit: mm (inch)



Clearance space around the outdoor unit

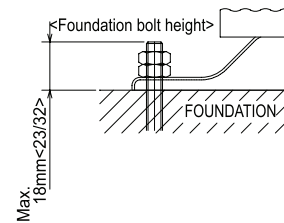


Minimum installation space for outdoor unit

- *1 In the place where short cycle tends to occur, cooling and heating capacity and power consumption might get lowered 10%.
- *2 Air outlet guide (optional) will help them improve.
- *3 If air discharges to the wall, the surface might get stained.

FOUNDATION BOLTS

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



PIPING-WIRING DIRECTION

Piping and wiring connection can be made from the rear direction only.



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