

SUBMITTAL DATA: PKA-A18HA & 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
- 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)
- Remote Temperature Sensor (PAC-SE41TS-E)

Outdoor Unit

- M-NET Adapter (PAC-SF81MA-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

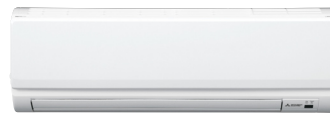
Voltage

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



Indoor Unit: PKA-A18HA



Remote Controller:
PAR-21MAA



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

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)

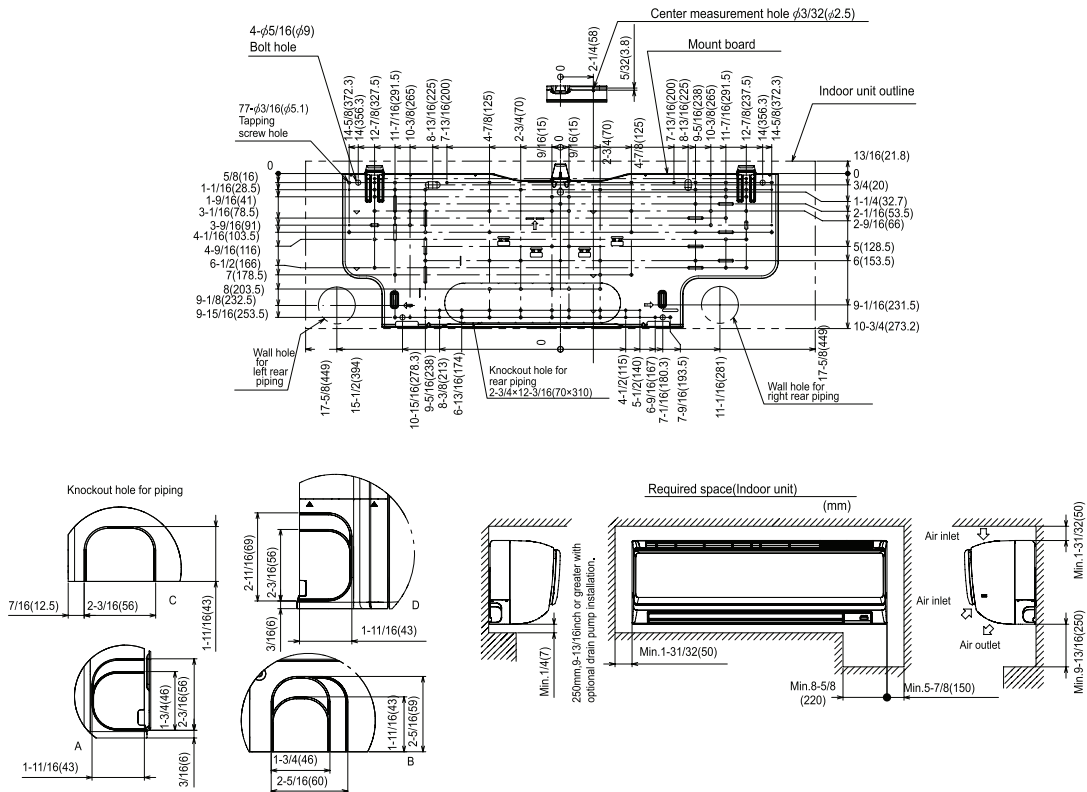
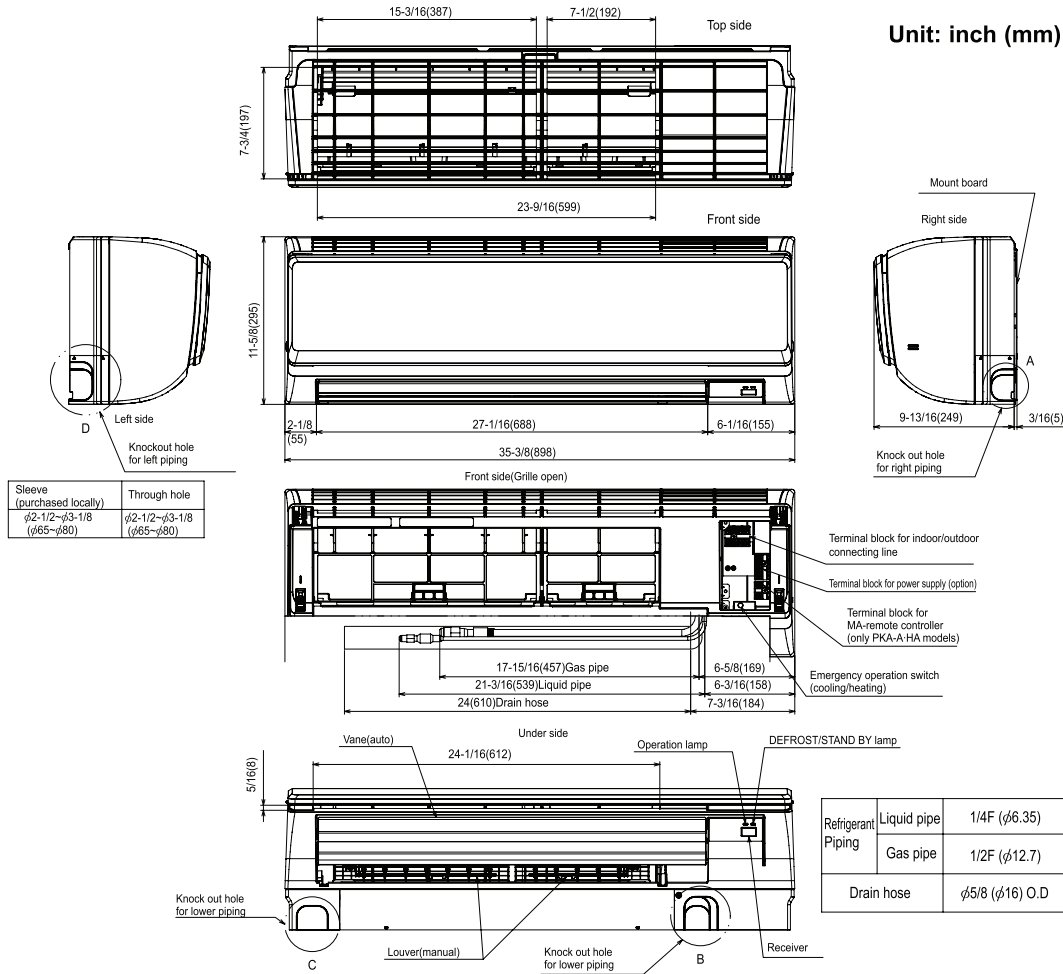
DIMENSIONS	INCHES / MM
W	31-1/2 / 800
D	13 + 7/8 / 330 + 23
H	23-5/8 / 600

Weight	99 lbs. / 45 kg
External Finish	Munsell No. 3Y 7.8 / 1.1
Refrigerant Type	R410A
Refrigerant Pipe Size O.D.	
Gas Side	.12" / 12.7 mm
Liquid Side	.14" / 6.35 mm
Max. Refrigerant Pipe Length	100' / 30 m
Max. Refrigerant Pipe Height Difference	100' / 30 m
Connection Method	Flared


INVERTER

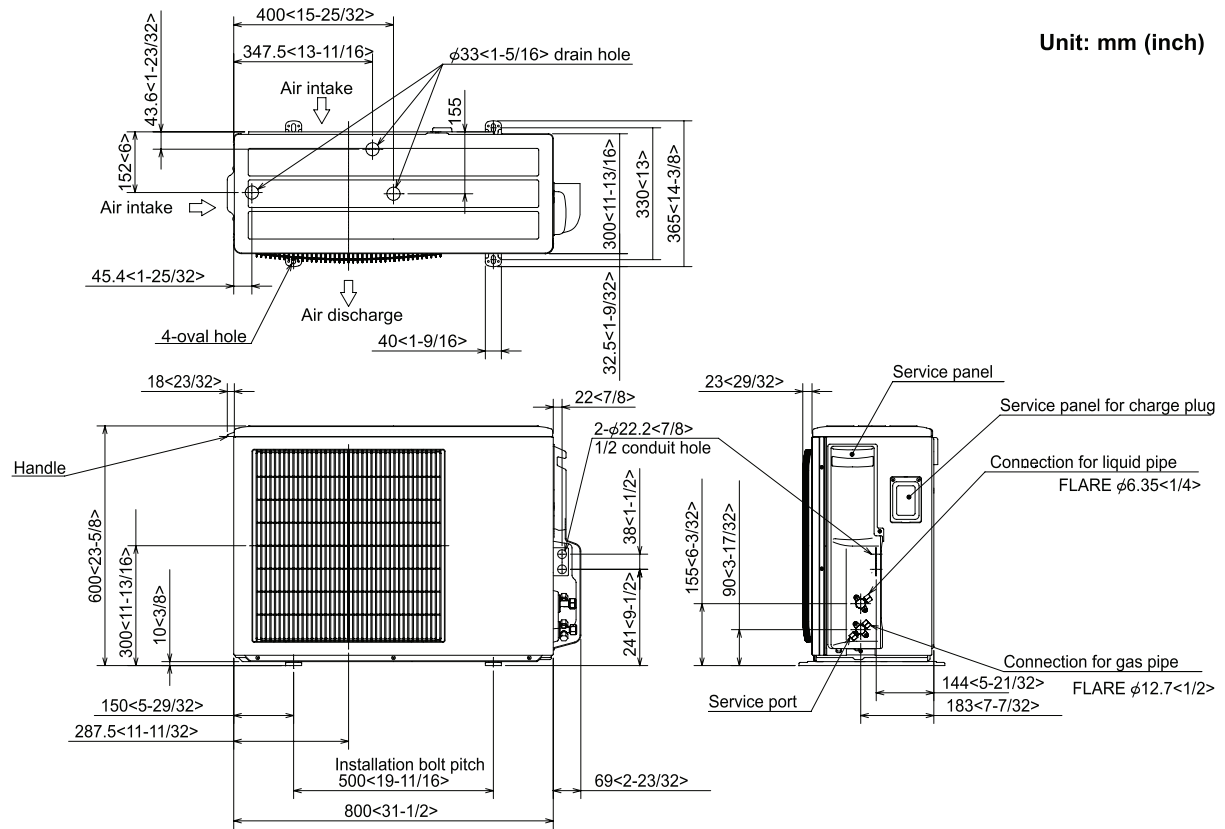
DIMENSIONS: PKA-A18HA

Unit: inch (mm)

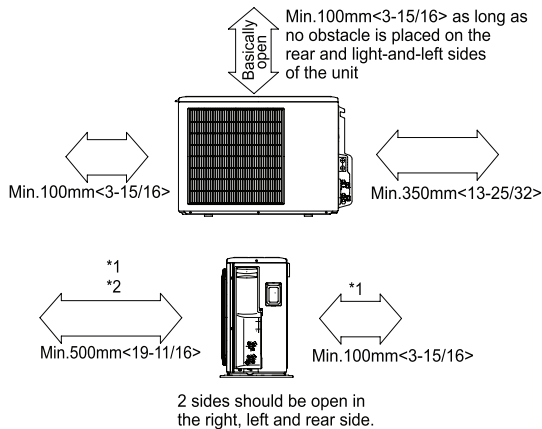


DIMENSIONS: PUZ-A18NHA3

Unit: mm (inch)

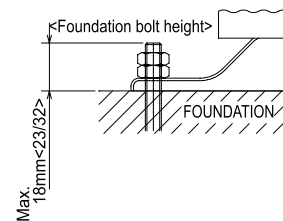


Clearance space around the outdoor unit



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.

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%. Air outlet guide (optional) will help them improve.
- *2 If air discharges to the wall, the surface might get stained.



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