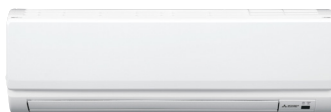


SUBMITTAL DATA: PKA-A18HA4 & PUZ-A18NHA4 (-BS)

18,000 BTU/H WALL-MOUNTED HEAT-PUMP SYSTEM

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



Indoor Unit: PKA-A18HA4



Outdoor Unit: PUZ-A18NHA4 (-BS)

GENERAL FEATURES

- Wall-mounted indoor unit for residential and commercial applications
- Shiny-white—exterior plastic; compact design
- Quiet operation—both indoor and outdoor units
- Self-check function—integrated diagnostics
- Limited warranty: five years parts and seven years compressors

UNIT OPTION

- ☐ Standard Model.....PUZ-A18NHA4
- ☐ Sea Coast (BS) Model.....PUZ-A18NHA4-BS

OPTIONAL ACCESSORIES

Indoor Unit

- ☐ Mini Condensate Pump (SI3100-230, 230V)
- ☐ L-Connector Pipe (PAC-SC84PI; for left side unit piping installation)

Outdoor Unit

- ☐ Drain Pan (PAC-SG63DP)
- ☐ Drain Socket (PAC-SG61DS)
- ☐ Three-pole Disconnect Switch (TAZ-MS303)
- ☐ Wind Baffle (WB-PA1)
- ☐ Air Outlet Guide (PAC-SG58SG)
- ☐ Mounting Base (DSD-400N)
- ☐ Mounting Pad (ULTRILITE1)
- ☐ Wall-mounting Brackets (CWMB1)

Controller Options

- ☐ Wireless Wall-mounted Remote Controller Kit (MHK1)*
 - ☐ Portable Controller (MCCH1)*
 - ☐ Outdoor Air Sensor (MOS1)*
- *See Submittal for information on each option.
- ☐ Wired Wall-mounted Controller (PAR-21MAAU)
 - ☐ 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)
 - ☐ Hand-held Wireless Remote Controller (PAR-FL32MA; req. PAR-FA32MA-E)
 - ☐ Wireless Signal Receiver Module (PAR-FA32MA-E)
 - ☐ Lockdown Bracket for Hand-held Controller (RCMKP1CB)
 - ☐ Control/Service Tool (PAC-SK52ST)

SEACOAST PROTECTION

- External Outer Panel: Phosphate coating + Acrylic-Enamel coating
- Fan Motor Support: Epoxy resin coating (at edge face)
- Separator Assembly ; Valve Bed: Epoxy resin coating (at edge face)
- Screws (used outer side): Zinc nickel coating 5µm + Polyvinylidene chloride coating

"Blue Fin" treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants..



SPECIFICATIONS: PKA-A18HA4 & PUZ-A18NHA4 (-BS)

Cooling*

Rated Capacity	18,000 Btu/h
Minimum Capacity	8,000 Btu/h
SEER	15.3 Btu/h/W
EER	8.0 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
COP	2.83
Total Input	1,970 W

Heating at 17°F*

Rated Capacity	13,000 Btu/h
Total Input	1,670 W
COP	2.28

* Rating Conditions per AHRI Standard

Cooling Indoor:	80° F (27° C) DB / 67° F (19° C) WB
Cooling Outdoor:	95° F (35° C) DB / 75° F (24° C) WB
Heating at 47°F Indoor:	70° F (21° C) DB / 60° F (16° C) WB
Heating at 47°F 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
Heating at 17° F 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	15 A

Voltage

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

OPERATING CONDITIONS

		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	1 A
Blower Motor (ECM)	0.33 F.L.A.
Blower 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)
SHF	0.68
Moisture Removal	5.2 pt./h

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

Outdoor Unit

Compressor	DC Inverter-driven Twin Rotary
MCA	13 A
MOC	20 A
Fan Motor (ECM)	0.35 F.L.A.
Sound Pressure Level	
Cooling	48 dB(A)
Heating	47 dB(A)

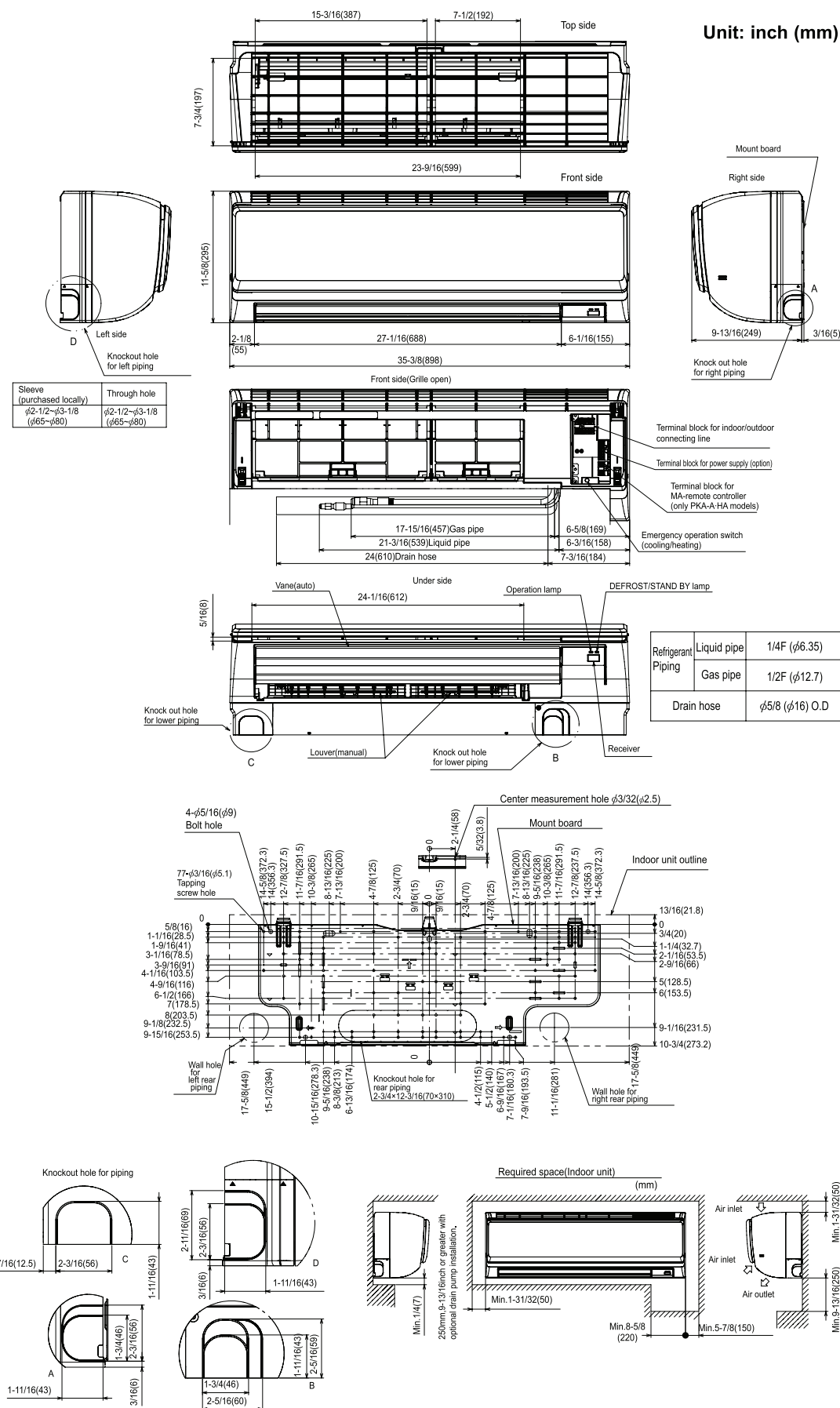
DIMENSIONS	INCHES / MM
W	31-1/2 / 800
D	11-13/16 + 7/8 / 300 + 23
H	23-5/8 / 600

Weight	91 lbs. / 41 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

Notes:

DIMENSIONS: PKA-A18HA4

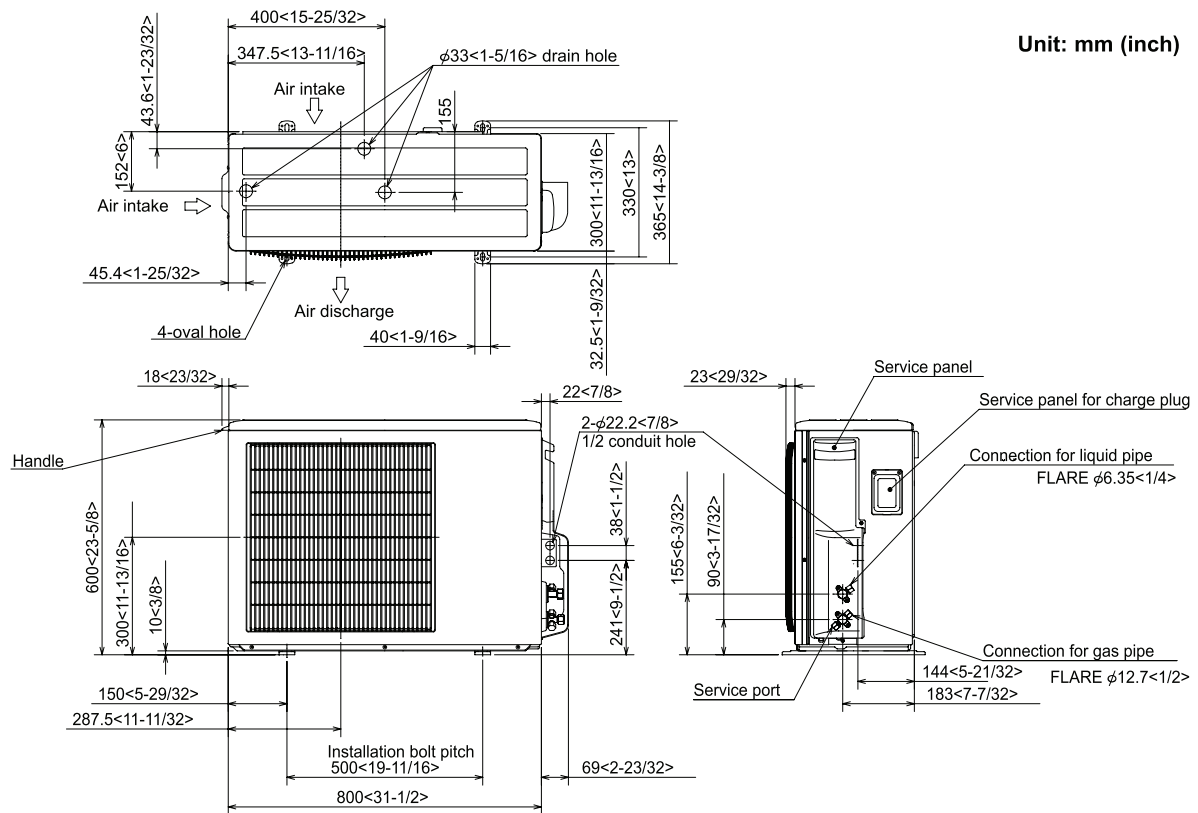
Unit: inch (mm)



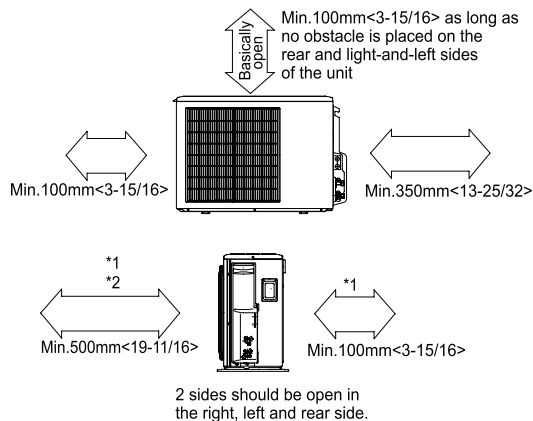
Specifications are subject to change without notice.
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DIMENSIONS: PUZ-A18NHA4 (-BS)

Unit: mm (inch)

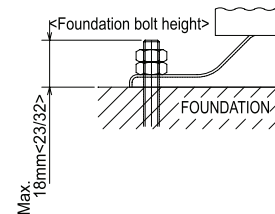


Clearance space around the outdoor unit



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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