

SUBMITTAL DATA: PCA-A24KA4 & PUZ-A24NHA4 (-BS)

24,000 BTU/H CEILING-SUSPENDED HEAT-PUMP SYSTEM

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



Indoor Unit: PCA-A24KA4



Outdoor Unit: PUZ-A24NHA4 (-BS)

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
- 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-A24NHA4
- ☐ Sea Coast (BS) Model.....PUZ-A24NHA4-BS

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-SH71DS-E)
- ☐ Three-pole Disconnect Switch (TAZ-MS303)
- ☐ Wind Baffle (One Piece)* (WB-PA2)
- ☐ Air Outlet Guide (One Piece)* (PAC-SG59SG)
- ☐ Mounting Base (DSD-400N)
- ☐ Mounting Pad (ULTRILITE2)
- ☐ Wall-mounting Brackets (CWMB1)

*PUY(Z) requires two outlet guides or wind baffles for installation.

Controller Options

- ☐ Wireless Wall-mounted Remote Controller Kit (MHK1)**
 - ☐ Portable Central Controller (MCCH1)**
 - ☐ Outdoor Air Sensor (MOS1)**
 - ☐ Wired Wall-mounted Controller (PAR-31MAA)**
 - ☐ Simple MA Remote Controller (PAC-YT53CRAU)**
- **See Submittal for information on each option.
- ☐ 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)

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 : PCA-A24KA4 & PUZ-A24NHA4 (-BS)

Cooling*

Rated Capacity	24,000 Btu/h
Minimum Capacity	12,000 Btu/h
SEER	16.8 Btu/h/W
EER	10.3 Btu/h/W
Total Input	2,340 W

Heating at 47°F*

Rated Capacity	26,000 Btu/h
Minimum Capacity	12,000 Btu/h
HSPF (IV)	10.9 Btu/h/W
COP	3.30
Total Input	2,310 W

Heating at 17°F*

Rated Capacity	18,000 Btu/h
Total Input	2,220 W
COP	2.38

* 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	25 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)	0.54 F.L.A.
Blower Motor Output	.95 W
Airflow (Lo - Mid1 - Mid2 - Hi)	530 - 565 - 600 - 670 Dry CFM 495 - 530 - 565 - 635 Wet CFM
Air Filter	Polypropylene Honeycomb
Sound Pressure Level (Lo - Mid1 - Mid2 - Hi)	33 - 35 - 37 - 40 dB(A)
SHF	0.73
Moisture Removal	5.8 pt./h

DIMENSIONS	UNIT INCHES / MM
W	50-3/8 / 1,280
D	26-3/4 / 680
H	9-1/16 / 230

Weight	.71 lbs. / 32 kg
External Finish	Munsell No. 6.4Y 8.9 / 0.4
Field Drainpipe Size O.D.	1-1/16" / 26 mm

Outdoor Unit

Compressor	DC Inverter-driven Twin Rotary
MCA	18 A
MOCP	30 A
Fan Motor (ECM)	0.75 F.L.A.
Sound Pressure Level	
Cooling	.48 dB(A)
Heating	.50 dB(A)

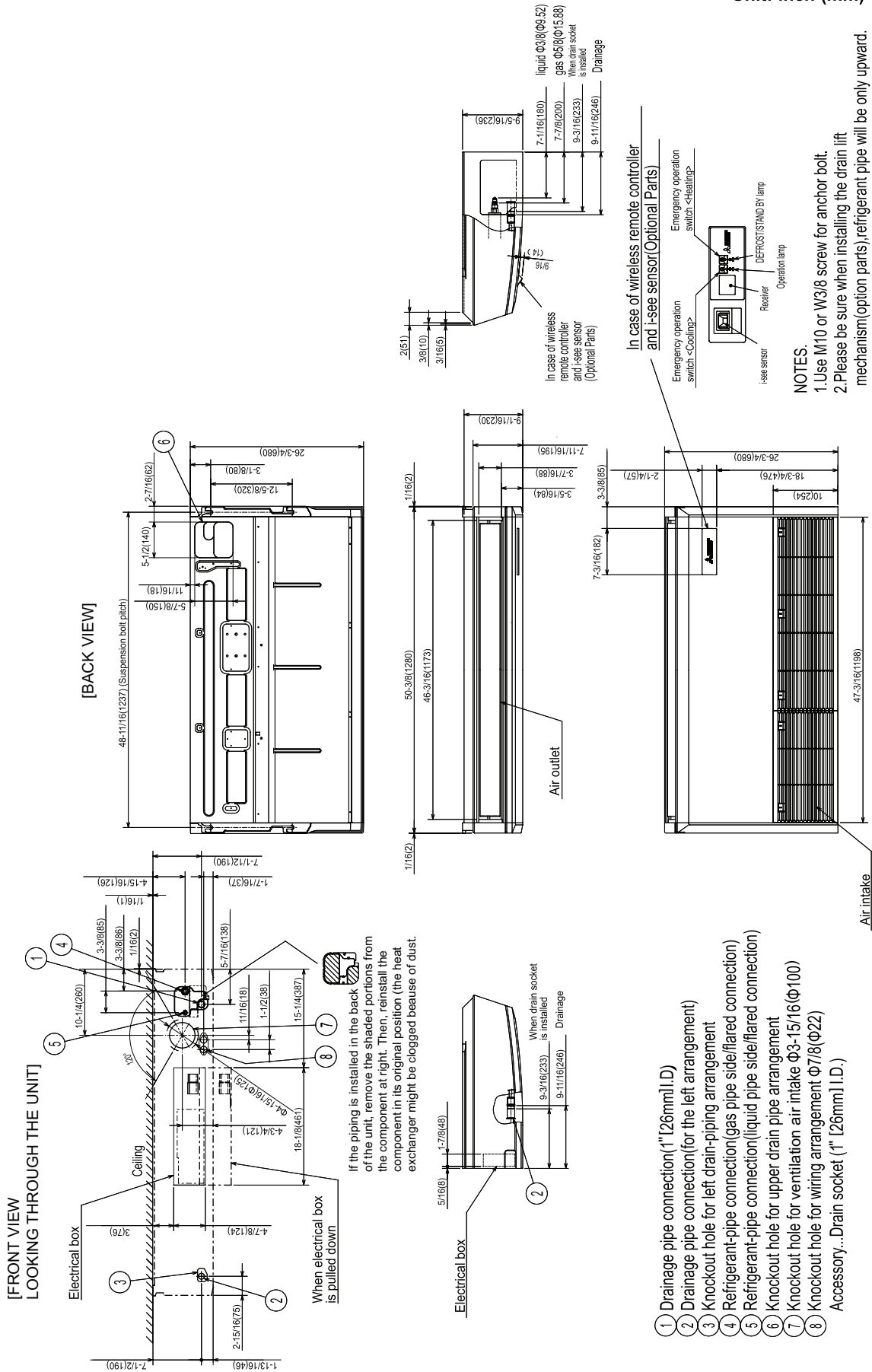
DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	37-1/8 / 943

Weight	165 lbs. / 75 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

Notes:

DIMENSIONS: PCA-A24KA4

Unit: inch (mm)

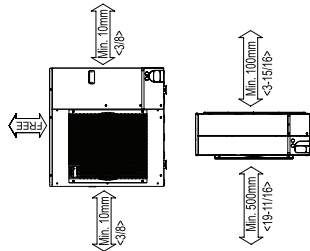


Specifications are subject to change without notice.
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DIMENSIONS: PUZ-A24NHA4 (-BS)

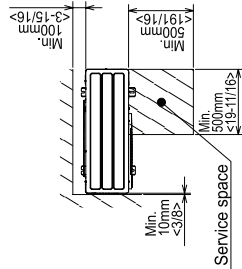
1 FREE SPACE (Around the unit)

The diagram below shows a basic example.
Explanation of particular details are given in the installation manuals etc.



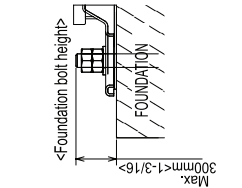
2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.



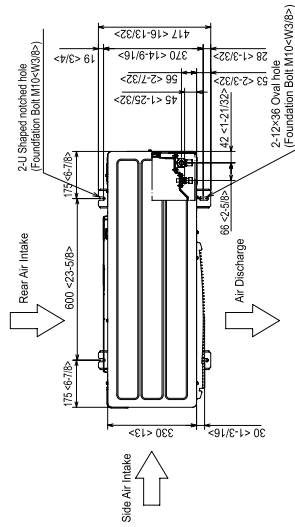
3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10<M3/8>) bolts. (Bolts and washers must be purchased locally.)



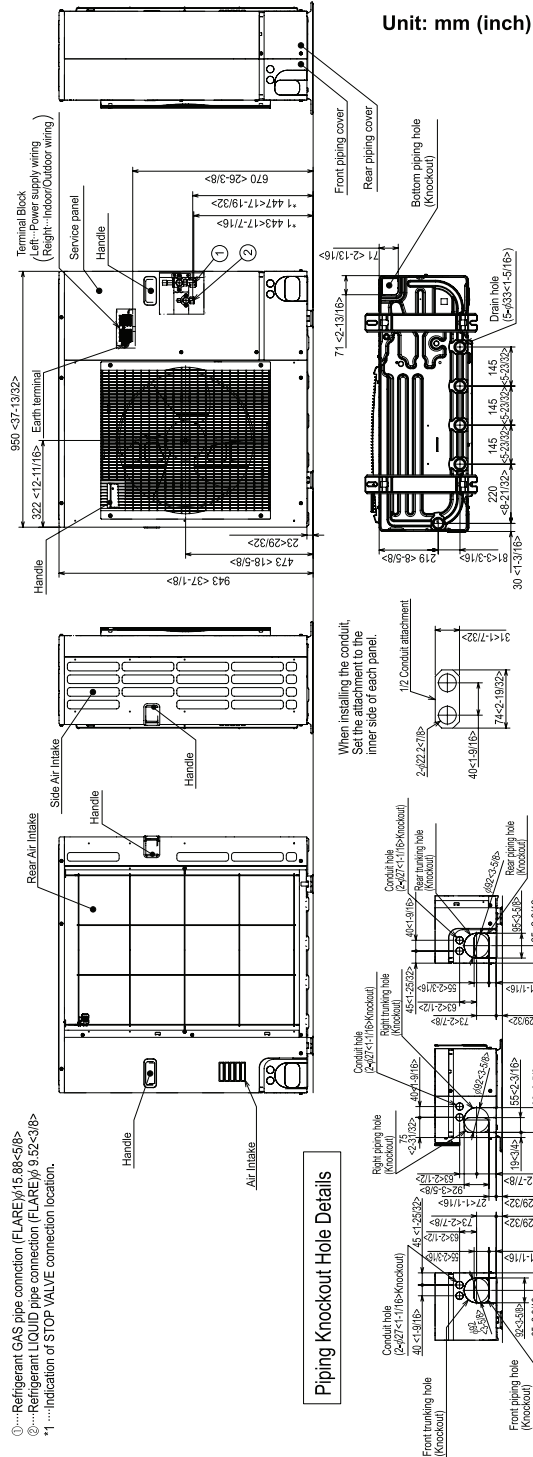
4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: front, right, rear and below.

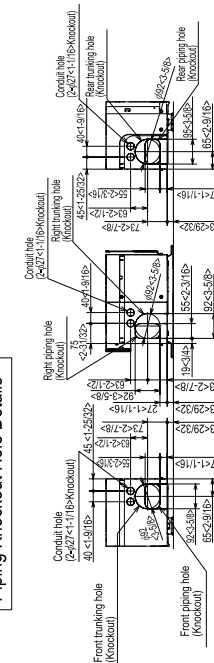


Example of Notes

- ①...Refrigerant GAS pipe connection (FLARE) (1/15.88-5/8")
- ②...Refrigerant LIQUID pipe connection (FLARE) (9.52-3/8")
- *1...Indication of STOP VALVE connection location.



Piping Knockout Hole Details



Intertek



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