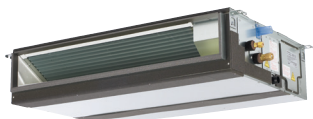


SUBMITTAL DATA: PEAD-A42AA4 & PUZ-A42NHA5 (-BS)

42,000 BTU/H HORIZONTAL-DUCTED HEAT-PUMP SYSTEM

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



Indoor Unit: PEAD-A42AA4



Outdoor Unit: PUZ-A42NHA5 (-BS)

GENERAL FEATURES

- Horizontal-ducted indoor unit features medium static pressure capability
- Thin body: 9-7/8" high
- Built-in drain mechanism for condensate removal; lifts to 27-9/16"
- Air filter is included with indoor unit
- Quiet operation—both indoor and outdoor units
- Auto fan speed control; auto restart following a power outage
- Self-check function—integrated diagnostics
- Knockout for ventilation air
- Limited warranty: five years parts and seven years compressors

UNIT OPTION

- ☐ Standard Model.....PUZ-A42NHA5
- ☐ Sea Coast (BS) Model.....PUZ-A42NHA5-BS

ACCESSORIES

Indoor Unit

- ☐ Filter Box with MERV 13 Filters (FBM2-4)

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)-A42NHA5 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)
- ☐ External Heat Adapter CN24 Relay Kit (CN24RELAY-KIT-CM)
- ☐ 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 : PEAD-A42AA4 & PUZ-A42NHA4 (-BS)

Cooling*

Rated Capacity	42,000 Btu/h
Minimum Capacity	18,000 Btu/h
SEER	13.8 Btu/h/W
EER	7.8 Btu/h/W
Total Input	5,350 W

Heating at 47°F*

Rated Capacity	45,000 Btu/h
Minimum Capacity	18,000 Btu/h
HSPF (IV)	10.0 Btu/h/W
COP	3.45
Total Input	3,820 W

Heating at 17°F*

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

* 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	30 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	3.50 A
Blower Type x Quantity	Sirocco fan x 2
Blower Motor Type	Direct-driven DC Brushless Motor
Blower Motor (ECM)	2.80 F.L.A.
Blower Motor Output	244 W
Airflow (Lo - Med - Hi)	1,042 - 1,254 - 1,483 Dry CFM 953 - 1,165 - 1,412 Wet CFM
Air Filter	Polypropylene Honeycomb
External Static Pressure	0.14 - 0.20 - 0.28 - 0.40 - 0.60" WG
Sound Pressure Level (Lo - Med - Hi)	36 - 40 - 44 dB(A)
SHF	0.76
Moisture Removal	9.0 pt/h

DIMENSIONS	UNIT INCHES / MM
W	55-1/8 / 1,400
D	28-7/8 / 732
H	9-7/8 / 250

Weight	95 lbs. / 43 kg
External Finish	Galvanized-steel Sheet
Field Drainpipe Size O.D.	1-1/4" / 32 mm

Outdoor Unit

Compressor	Inverter-driven Scroll
MCA	26 A
MOC	40 A
Fan Motor (ECM)	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

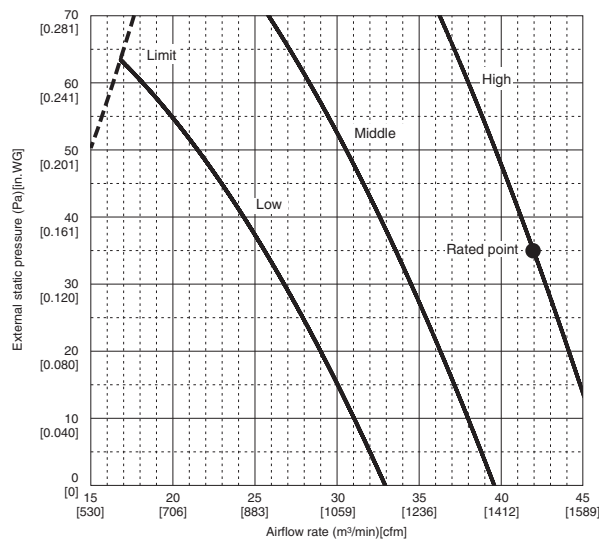
Weight	260 lbs. / 118 kg
External Finish	Munsell No. 3Y 7.8 / 1.1
Refrigerant Type	R410A
Refrigerant Pipe Size O.D.	
Gas Side	5/8" / 15.88 mm
Liquid Side	3/8" / 9.52 mm
Max. Refrigerant Pipe Length	165' / 50 m
Max. Refrigerant Pipe Height Difference	100' / 30 m
Connection Method	Flared

Notes:

INDOOR UNIT PEAD-A42AA4 FAN PERFORMANCE AND AIRFLOW RATES

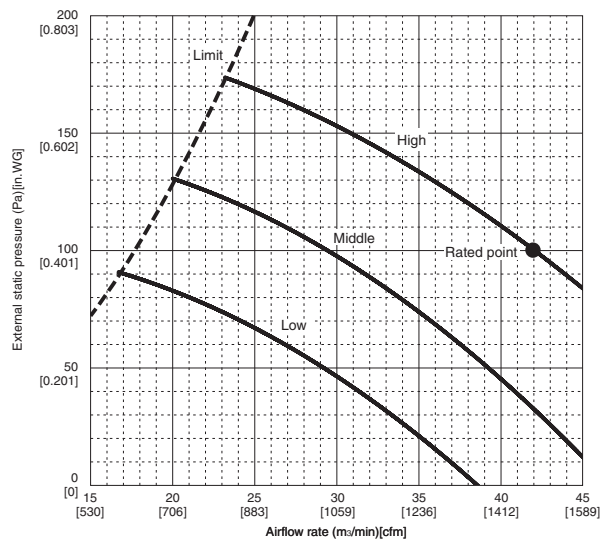
PEAD-A42AA4

(External static pressure 35Pa [0.14 in. WG]) 208-230V 60Hz



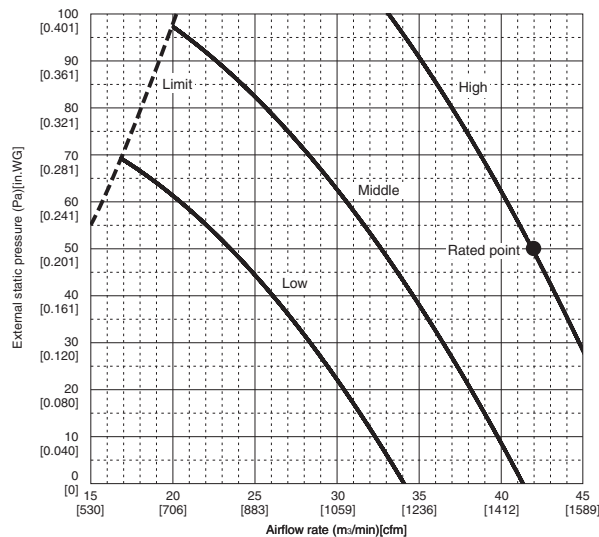
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(External static pressure 100Pa [0.4 in. WG]) 208-230V 60Hz



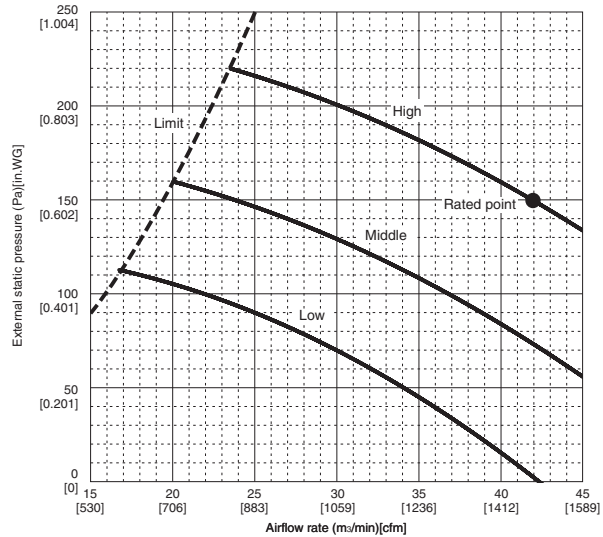
PEAD-A42AA4

(External static pressure 50Pa [0.2 in. WG]) 208-230V 60Hz



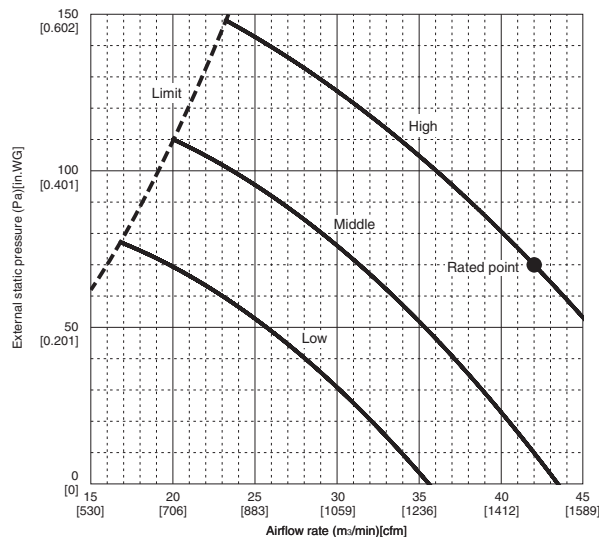
PEAD-A42AA4

(External static pressure 150Pa [0.6 in. WG]) 208-230V 60Hz



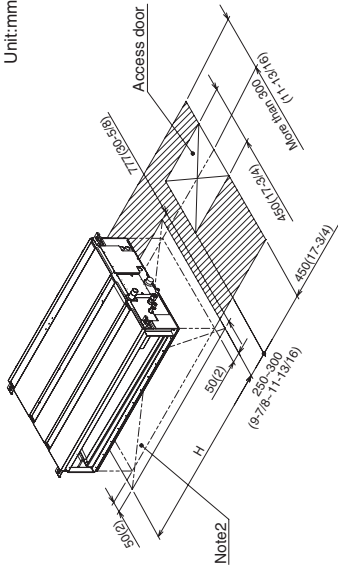
PEAD-A42AA4

(External static pressure 70Pa [0.3 in. WG]) 208-230V 60Hz

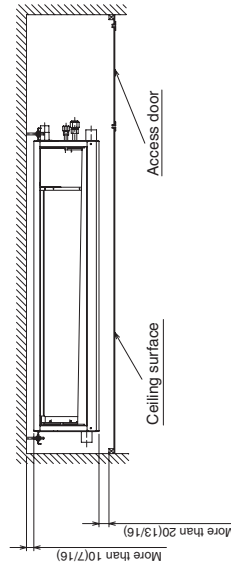
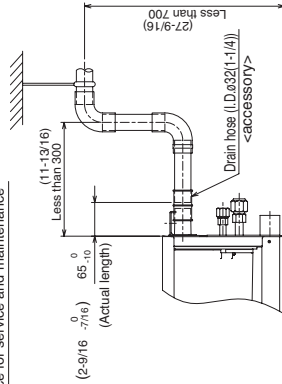


DIMENSIONS: PEAD-A42AA4

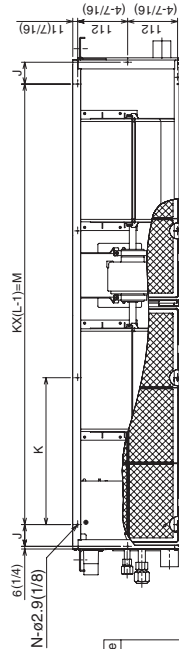
Unit:mm(in.)



Required space for service and maintenance



Make the access door at the appointed position properly for service maintenance.



Ventilation air intake ø100(3-15/16)

knock out hole Note 4

3-ø2.9(1/8) mounting hole

ø125 (4-15/16)

153(6-1/16)

378(12-7/16)

200(7-7/8)

Drain pipe(O.D. ø32(1-1/4))

(Emergency draining)

159(6-1/8)

57(2-1/4)

40(1-5/8)

78(3-1/8)

40(1-5/8)

57(2-1/4)

40(1-5/8)

Suspension bolt hole

4-ø4.5(9/16)X1-3/16 Slot

18(3/4)

21(7/8)

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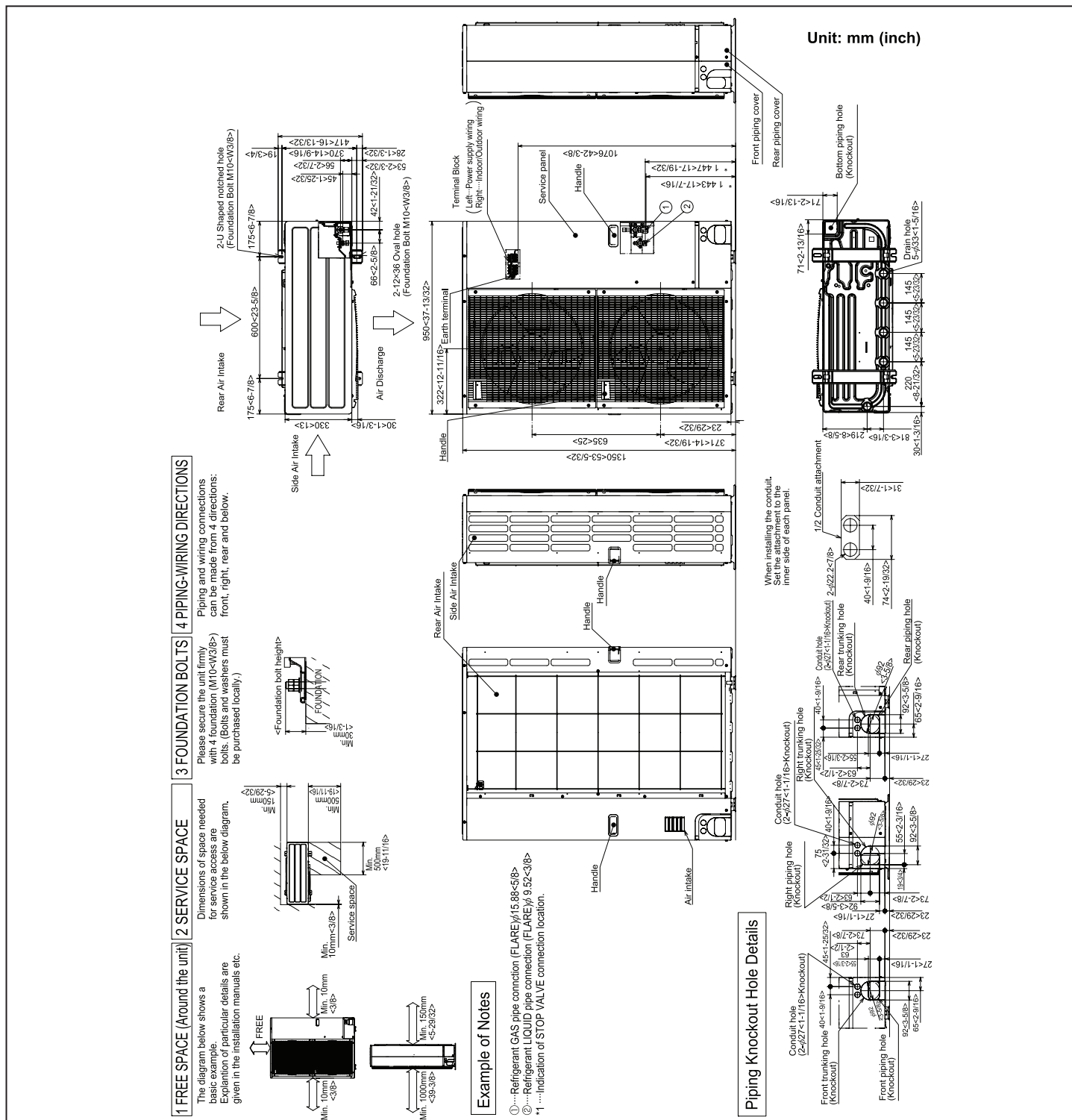
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DIMENSIONS: PUZ-A42NHA5 (-BS)



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