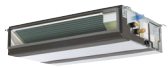
P-SERIES

PEAD-A42AA5 & PUY-A42NHA6 (-BS)

42,000 BTU/H HORIZONTAL-DUCTED AIR-CONDITIONING SYSTEM

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:



Indoor Unit: PEAD-A42AA5

Outdoor Unit: PUY-A42NHA6 (-BS)

UNIT OPTION:

- ☐ Standard Model.....PUY-A42NHA6
- ☐ Seacoast (BS) Model.....PUY-A42NHA6-BS

ACCESSORIES:

Indoor Unit

- ☐ Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- ☐ Condensate Pump (Sauermann SI30-115/230; 115/230V)
- ☐ Filter Box & MERV 13 Filter (FBM2-4)
- ☐ Disconnect Switch (TAZ-MS303)

Outdoor Unit

- ☐ Wind Baffle (WB-PA2)*
  *Allows operation to 0º F (-18º C).
- ☐ Advanced Wind Baffle (WB-SD3 and/or WB-RE3)**
  **Does not operate to full capacity below 0º F (-18º C)
- ☐ Air Outlet Guide (PAC-SG59SG-E)
- ☐ Wall Bracket (QSWB2000M-1)

Controls

- ☐ Wireless Controller (MHK1)
- ☐ Advanced Wired Controller (PAR-31MAA)
- ☐ Simple Wired Controller (PAC-YT53CRAU)
- ☐ M-NET Adapter (PAC-SF83MA-E)
- ☐ Temperature Sensor (PAC-SE41TS)

SPECIFICATIONS:

Rated Conditions (Capacity / Input)*		
Cooling	Btu/h / W	42,000 / 5,350

* Rating Conditions per AHRI Standard:
Cooling | Indoor: 80º F (27º C) DB / 67º F (19º C) WB
Cooling | Outdoor: 95º F (35º C) DB / 75º F (24º C) WB

Capacity Range		
Cooling	Btu/h	18,000 - 42,000

Operating Range	
Cooling	0º F** to 115º F (-18º C to 46º C) DB

** The minimum temperature will be 23º F (-5º C) DB if optional wind baffle accessory is not installed.

AHRI Efficiency Ratings	
EER	7.8
SEER	14.0

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz

Minimum Circuit Ampacity (MCA)		
Indoor / Outdoor	A	3.5 / 26

Indoor Unit		
Blower Motor (ECM)	F.L.A.	2.8
Blower Motor Output	W	244
SHF / Moisture Removal		0.76 / 9.0 pt./h
External Static Pressure	In. WG	0.14-0.20-0.28-0.40-0.60
Drain Lift Mechanism (Included)	H: In.	27-9/16

Outdoor Unit		
Compressor		DC INVERTER-driven Scroll
Fan Motor (ECM)	F.L.A.	0.4+0.4
MOCP	A	40

Airflow Rate (Low-Mid-Hi)			
Indoor (Cooling)	DRY	CFM	1,042-1,254-1,483
	WET		953-1,165-1,412
Outdoor	DRY		3,530

Sound Pressure Level			
Indoor (Low-M1-M2-Hi)		dB(A)	36-40-44
Outdoor	Cooling		51

External Dimensions		
Indoor (H x W x D)	In.(mm)	9-7/8 x 55-1/8 x 28-7/8 (250 x 1,400 x 732)
Outdoor (H x W x D)		53-1/8 x 37-3/8 x 13 + 1-3/16 (1,350 x 950 x 330 + 30)

Net Weight		
Indoor	Lbs.(kg)	95 (43)
Outdoor		247 (112)

External Finish	
Indoor	Galvanized-steel Sheet
Outdoor	Munsell No. 3Y 7.8 / 1.1

Refrigerant	R410A ; 10lbs.

Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Maximim Total Refrigerant Pipe Length	Ft. (m)	225 (68)
Maximum Vertical Separation	Ft. (m)	100 (30)

Specifications are subject to change without notice.

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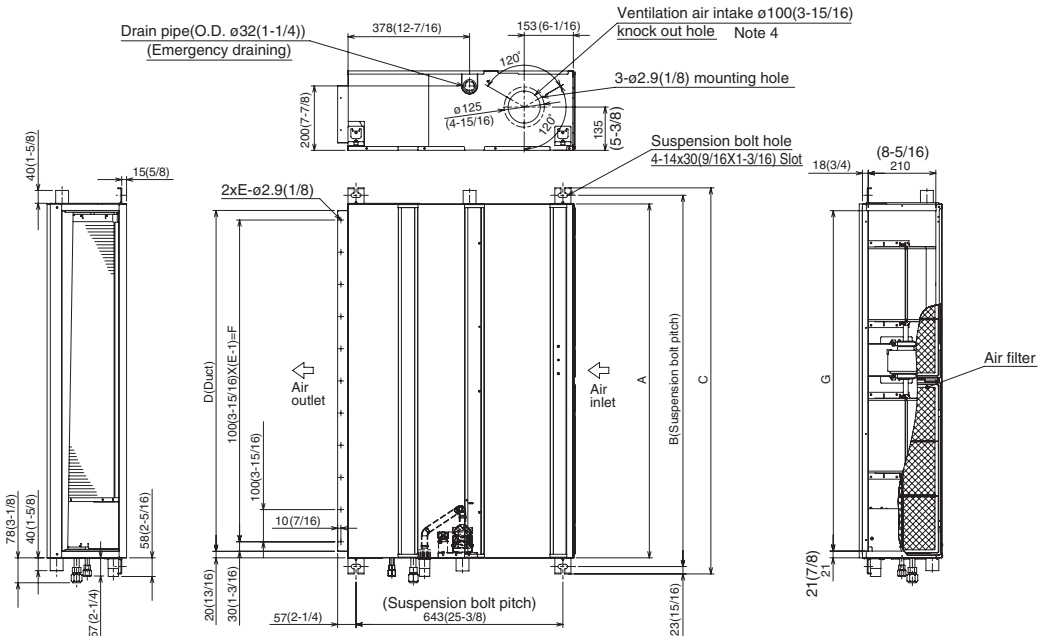
DIMENSIONS: PEAD-A42AA5 & PUY-A42NHA6 (-BS)

PEAD-A42AA5

Unit: mm (inch)

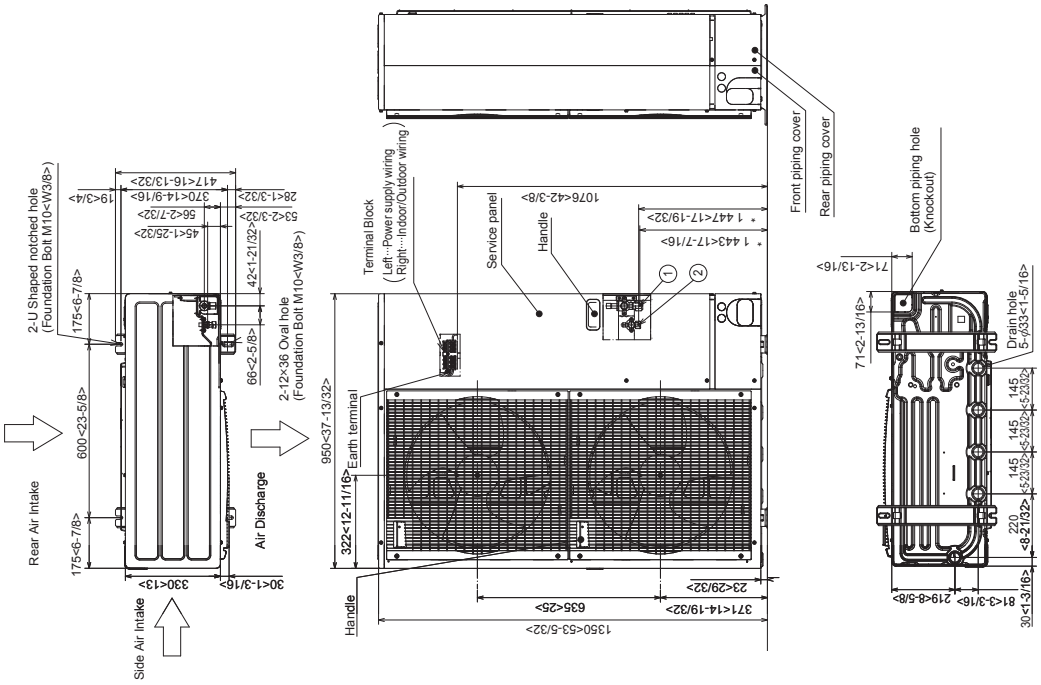


Model	A	B	C	D	E	F	G	H	J	K	L	M	N	①Gas pipe	②Liquid pipe
PEAD-A24, 30AA4	1100 (43-5/16)	1154 (45-7/16)	1200 (47-1/4)	1060 (41-3/4)	11	1000 (39-3/8)	1058 (41-11/16)	1200 (47-1/4)	49 (1-15/16)	330 (13)	4	990 (39)	10	ø15.88 (5/8)	ø9.52 (3/8)
PEAD-A36, 42AA4	1400 (55-1/8)	1454 (57-1/4)	1500 (59-1/16)	1360 (53-9/16)	14	1300 (51-3/16)	1358 (53-1/2)	1500 (59-1/16)	54 (2-3/16)	320 (12-5/8)	5	1280 (50-7/16)	12		

NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. This chart indicates for PEAD-A24·30·36·42AA4 models,which have 2 fans.
4. In case of the inlet duct is used, remove the air filter (supplied with the unit), then install a filter (field supplied) at suction side.

PUY-A42NHA6 (-BS)

Unit: mm (inch)



NOTES:
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..

MITSUBISHI ELECTRIC
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AHRI CERTIFIED™ www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

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