

SUBMITTAL DATA: PEAD-A24AA7 & PUZ-A24NHA7
24,000 BTU/H HORIZONTAL-DUCTED HEAT-PUMP SYSTEM

Job Name:	Engineer:
Purchaser:	Application:
Submitted To:	For: <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction
Submitted By:	Location:
System Designation:	Schedule No.:



UNIT OPTION:

Standard Model.....PUZ-A24NHA7
Seacoast (BS) Model.....PUZ-A24NHA7-BS

ACCESSORIES:

Indoor Unit

Filter Box (PAC-KE93TB-E)
External Heating Adaptor (PAC-YU25HT)

Controls

Wireless Controller (MHK1)
Advanced Wired Controller (PAR-32MAA / PAR-33MAA)
Simple Wired Controller (PAC-YT53CRAU)
Wireless Remote Controller (PAR-FL32MA) + Wireless Signal Receiver (PAR-FA32MA)
Thermostat Interface (PAC-US444CN)
M-NET Adapter (PAC-SF83MA-E)

Outdoor Unit

Front Wind Guard (PFR-24-30)
Rear Wind Guard (PRE-24-30)
Side Wind Guard (PSD-24-30)

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

SPECIFICATIONS:

Rated Conditions (Capacity / Input)*		
Cooling	Btu/h / W	24,000 / 2,050
Heating at 47° F	Btu/h / W	26,000 / 1,750
Heating at 17° F	Btu/h / W	14,800 / 1,630

* Rating Conditions per AHRI Standard:
Cooling | Indoor: 80° F (27° C)DB / 67° F (19° C)WB; 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; 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

Capacity Range		
Cooling	Btu/h	10,000 - 24,000
Heating at 47° F	Btu/h	9,000 - 28,000

Operating Range	
Cooling	0°F** (-18°C) to 115°F (46°C) DB
Heating	-4°F (-20°C) to 70°F (21°C) DB

** Windscreens required for cooling operation below 23°F (-5°C)

AHRI Efficiency Rating	
EER	11.7
SEER	19.6
HSPF IV / V	10.8 / 8.0
COP at 47° F	4.35
COP at 17° F	2.66

Specifications are subject to change without notice.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA) *	Breaker Size	MOCP (Outdoor)
Indoor 2.63 AMP	Outdoor 19 AMP	25 AMP
		26 AMP

***All electrical work shall comply with National (CEC) and local codes and regulations.**

Indoor Unit		
Blower Motor (ECM)	F.L.A.	2.10
Blower Motor Output	W	121
SHF / Moisture Removal		0.68 / 6.9 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
		Drainpipe Size O.D [in. (mm)] - 1-1/4 (32)

Outdoor Unit		
Compressor		DC INVERTER-driven Scroll
Fan Motor (ECM)	F.L.A.	0.4
Fan Motor Power	W	86

Airflow Rate (Low-Mid-Hi)			
Indoor (Cooling)	DRY	CFM	512-635-741
	WET		472-595-701
Outdoor	DRY		1,940

Sound Pressure Level		
Indoor (Low-Mid-Hi)		30-33-37
Outdoor	Cooling	47
	Heating	48

External Dimensions		
Indoor (H x W x D)	In.(mm)	9-7/8 x 43-5/16 x 28-7/8 (250 x 1,100 x 732)
Outdoor (H x W x D)		37-1/8 x 37-13/32 x 13 + 1-3/16 (943 x 950 x 330 + 30)

Net Weight		
Indoor	Lbs.(kg)	69 (31)
Outdoor		153 (69)

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

Refrigerant	R410A ; 7lbs., 11oz. (3.5kg)
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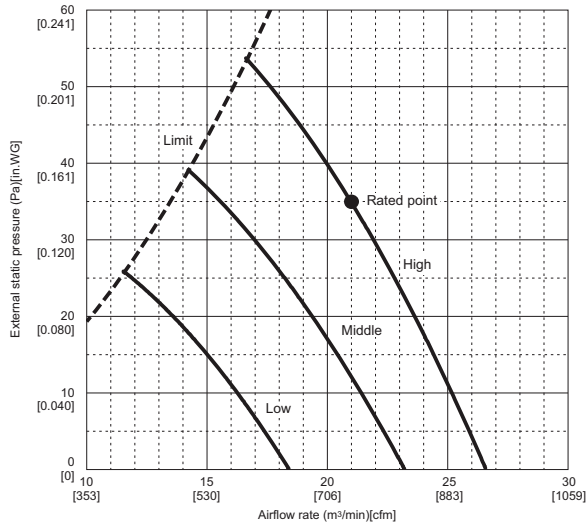
Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Maximum Total Refrigerant Pipe Length	Fl. (m)	165 (50)
Maximum Vertical Separation	Fl. (m)	100 (30)

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FAN PERFORMANCE AND CORRECTED AIR FLOW - PEAD-A24AA7

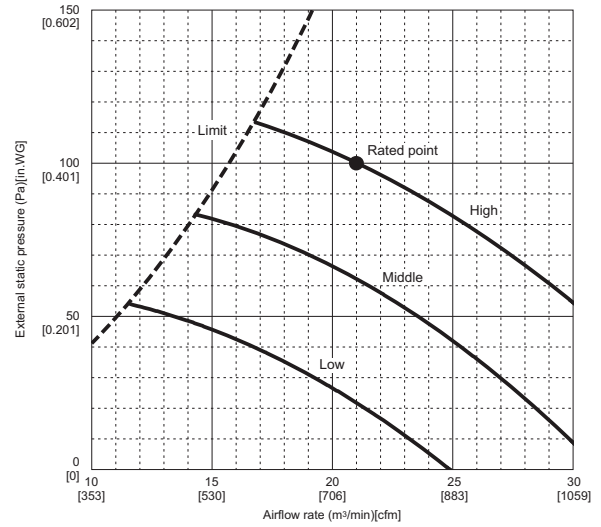
PEAD-A24AA7

(External static pressure 35Pa) 208-230V 60Hz



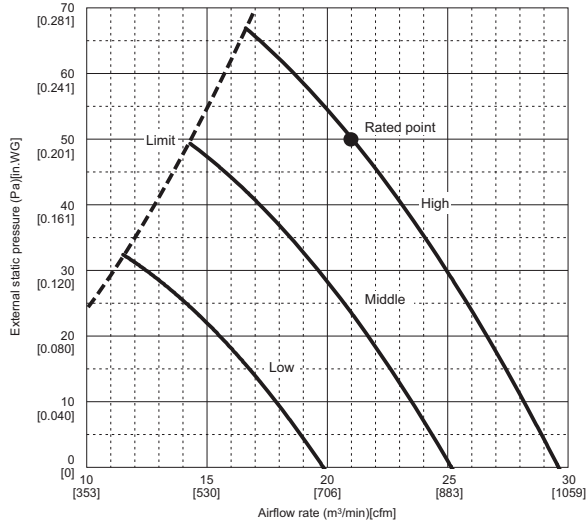
PEAD-A24AA7

(External static pressure 100Pa) 208-230V 60Hz



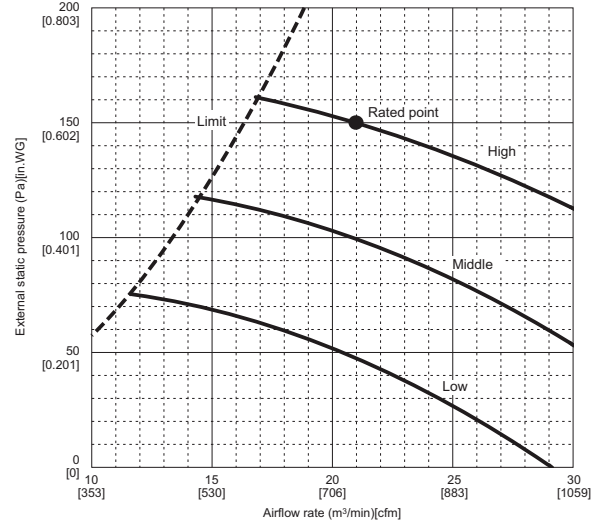
PEAD-A24AA7

(External static pressure 50Pa) 208-230V 60Hz



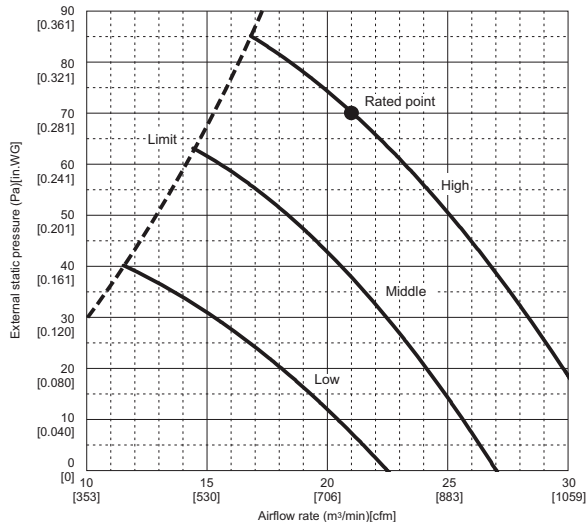
PEAD-A24AA7

(External static pressure 150Pa) 208-230V 60Hz



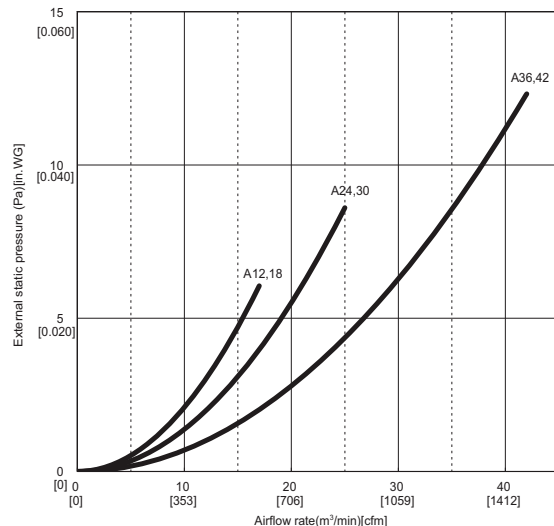
PEAD-A24AA7

(External static pressure 70Pa) 208-230V 60Hz



PEAD-A12,18,24,30,36,42AA7

Air filter 208-230V 60Hz



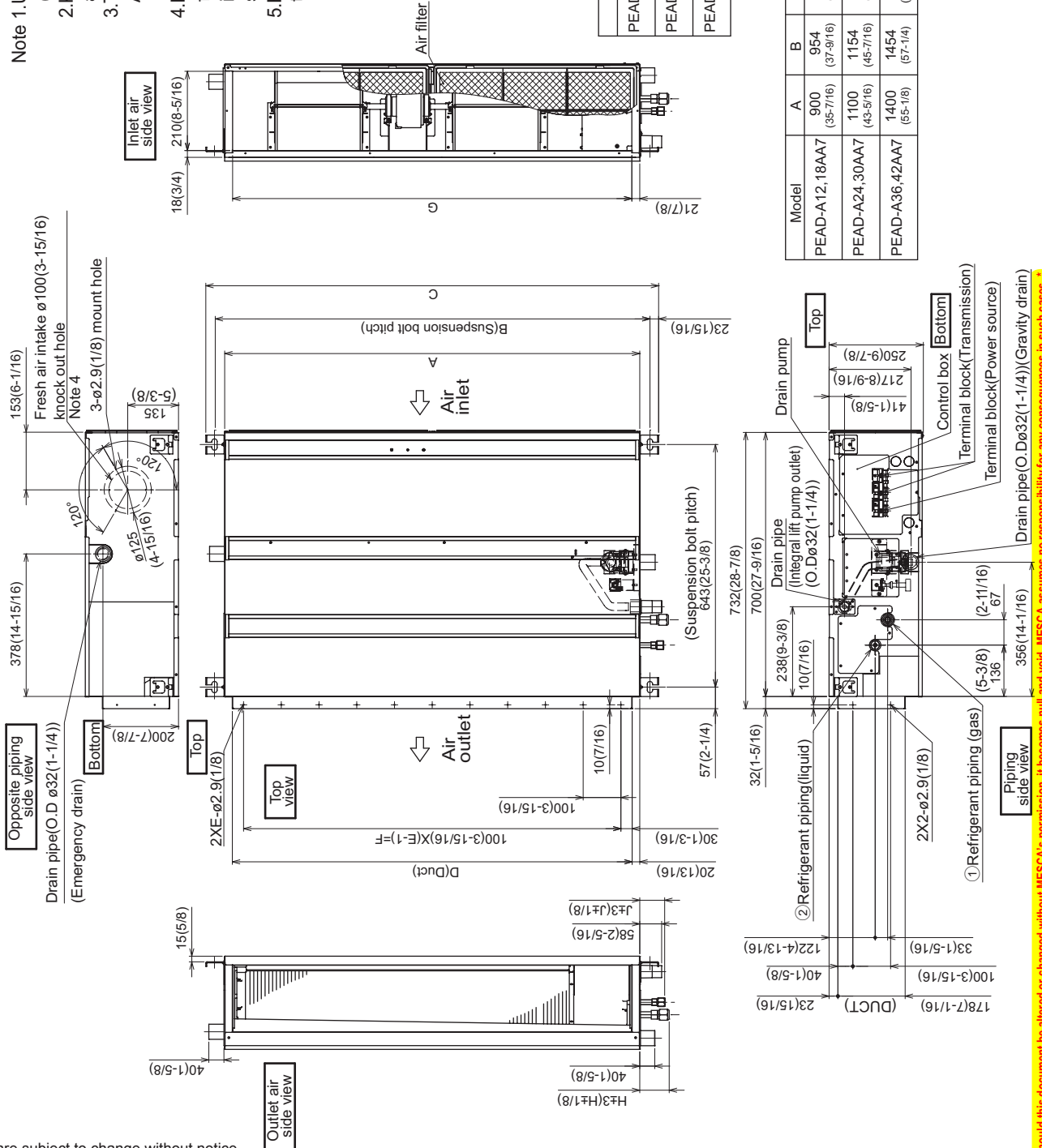
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DIMENSIONS: PEAD-A24AA7

Unit: mm (in.)

- Note**
1. Use an M10 screw for the suspension bolt (field supply).
 2. Keep the service space for maintenance at the bottom.
 3. This drawing is for PEAD-A24-30-36-42 AA7 models, which have 2 fans. PEAD-A12-18AA7 models have 1 fan.
 4. If the inlet duct is used, remove the air filter (supplied with the unit), then install the filter (field supply) at the suction side.
 5. Heat air to 0°C (32°F) or higher when taking fresh air with a fresh air intake.



Model	J	① Gas pipe	② Liquid pipe
PEAD-A12,18AA7	62 (2-1/2)	ø12.7 (1/2)	ø6.35 (1/4)
PEAD-A24,30AA7	66 (2-5/8)	ø15.88 (5/8)	ø9.52 (3/8)
PEAD-A36,42AA7			

Model	A	B	C	D	E	F	G	H
PEAD-A12,18AA7	900 (35-7/16)	954 (37-9/16)	1000 (39-3/8)	860 (33-7/8)	9	800 (31-1/2)	858 (33-13/16)	72 (2-7/8)
PEAD-A24,30AA7	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)	78 (3-1/8)
PEAD-A36,42AA7	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)	

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