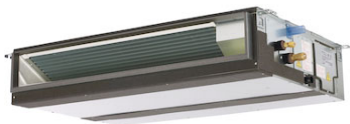


Submittal Data: PEAD-A30AA7 & PUZ-HA30NKA

30,000 BTU/H Horizontal-Ducted AHU Cold Climate Heat Pump System

Job Name:	Location:		
Purchaser:	Submitted By:		
Submitted To:	Reference:	Approval:	Construction:
Engineer:	Date:	Application:	



Optional Controller

Images provided for reference purposes only

Outdoor Standard Features:	Description:
Blue Fin Coating	Prolong condenser operating life
Inverter Motor	Energy efficient operation with variable speed DC motor
Built in base pan heater	Automated control to prevent premature failure of condenser coil
Auto mode	Automatically switches between heating & cooling modes
Fast Auto restart	Automatically restarts after power failure return
Auxiliary heat lock out	Prevents premature activation of aux. heat
Automated compressor cutout	Prevents inefficient operation & protects compressor
Cold climate heat pump	

Indoor Standard Features:	Description:
Unobtrusive ceiling-concealed design for short-run ductwork	
Wide ranging external static pressure (0.14-0.60 in. WG)	
Built-in condensate lift mechanism (up to 27-9/16")	
Auto fan speed mode	
Wired or wireless controllers	

Description: (Optional Accessories)	Model No.
Front Windscreen	CM-S-FR-NKMU (x2 required)
Front Windscreen Blocker	CM-S-BLK-NKMU (x2 per box)
Rear Snow Guard	SG-1-RE
Side Snow Guard	SG-1-SD
Filter Box	PAC-KE93TB-E
Filter Box with MERV 13 Filter	FBM2-3-A

Note:

- Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s). Use of non - MESCA supported components and accessories will affect warranty coverage. MESCA recommends (A) consideration of all applicable design and application parameters and requirements specific to any project.
- Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes. MESCA assumes no responsibility for any consequences in such cases.

Submittal Data: PEAD-A30AA7 & PUZ-HA30NKA

Performance:

Cooling at 95°F ¹	Rated Capacity	Btu/h	30,000
	Capacity Range	Btu/h	14,600 - 30,000
	Rated Power Input	W	2,350
	Power Input Range	W	990 - 2,350
	Moisture Removal	pints/h	6.5
	Sensible Heat Factor		0.76
Heating at 47°F ²	Rated Capacity	Btu/h	32,000
	Capacity Range	Btu/h	14,800 - 34,000
	Rated Power Input	W	2,740
	Power Input Range	W	980 - 3,030
Heating at 17°F ³	Maximum Capacity	Btu/h	32,000
	Rated Capacity	Btu/h	21,000
	Capacity Range	Btu/h	NA - 32,000
	Maximum Power Input	W	4,445
	Rated Power Input	W	2,615
	Power Input Range	W	NA - 4,445
Heating at 5°F ⁴	Maximum Capacity	Btu/h	32,000
	Maximum Power Input	W	4,990
Heating at -13°F ⁵	Maximum Capacity	Btu/h	25,600
	Maximum Power Input	W	5,097

Efficiency:

SEER		18.1
EER ¹		12.7
HSPF (IV)		9.60
COP at 47°F ²	Rated Capacity	3.42
COP at 17°F ³	Maximum Capacity	2.11
COP at 5°F ⁴	Maximum Capacity	1.93

Electrical:

Power Supply		208/230V, 1Ph, 60Hz
Voltage: Indoor - Outdoor, S1-S2	V AC	AC 208/230V
Voltage: Indoor - Outdoor, S2-S3	V DC	DC 24V
Short-circuit Current Rating (SCCR)	kA	5
Recommended Fuse/Breaker Size (Outdoor)	A	35
Recommended Wire Size (Indoor - Outdoor)	AWG	14

Outdoor Operating Temperature Range:

Cooling Operation Air Temp (Maximum / Minimum)*	°F (°C)	* 0 to 115 (-18 to 46)
Cooling Operation Thermal Lock-out / Re-start Temperatures	°F (°C)	-1 / 3 (-18 / -16)
Heating Operation Air Temp (Maximum / Minimum)	°F (°C)	-13 to 75 (-25 to 24)
Heating Operation Thermal Lock-out / Re-start Temperatures	°F (°C)	-22 / -13 (-30 / -25)

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (* Windscreens required for cooling operations below 23°F (-5°C))

¹Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB

²Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB

³Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB

Rated conditions:

⁴Heating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB

⁵Heating at -13°F (-25°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -13°F (-25°C) DB, -15°F (-26.1°C) WB

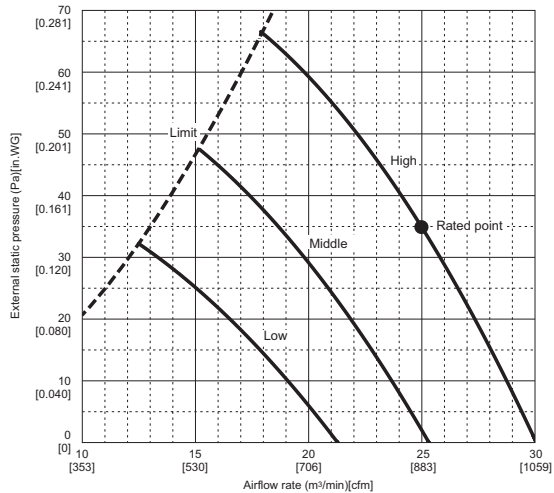
Notes:

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Fan Performance and Corrected Airflow:

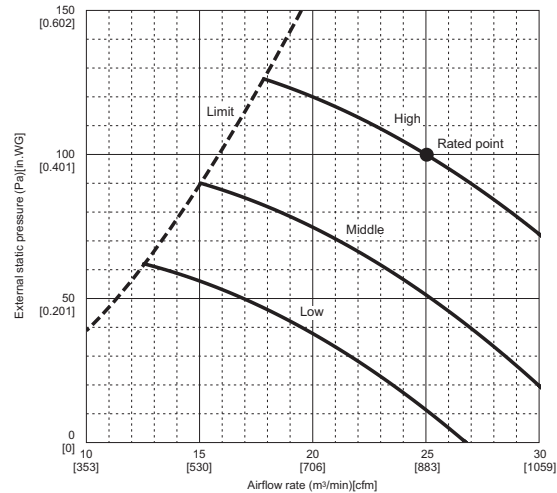
PEAD-A30AA7

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



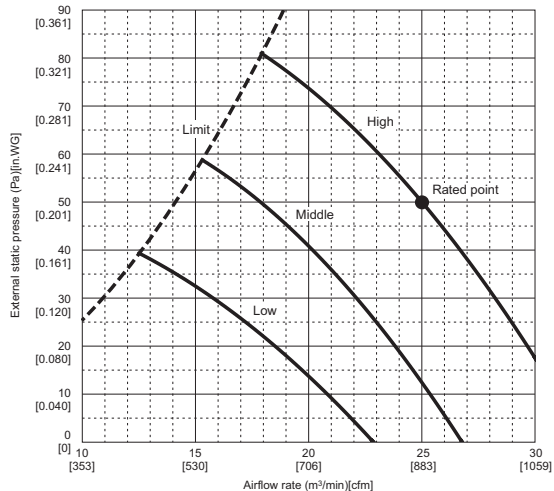
PEAD-A30AA7

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



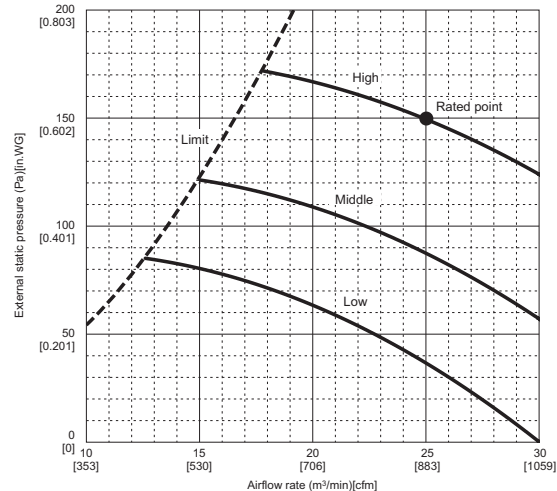
PEAD-A30AA7

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



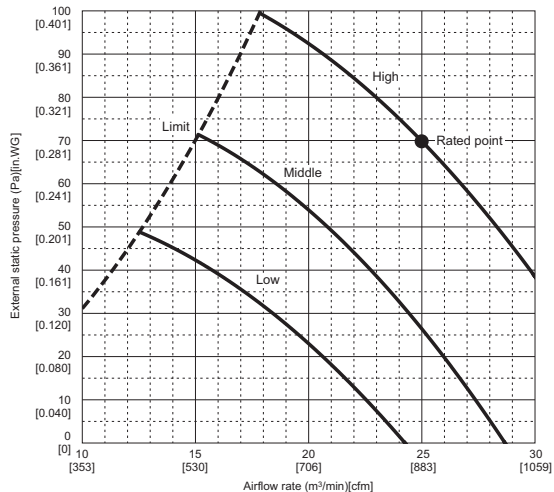
PEAD-A30AA7

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



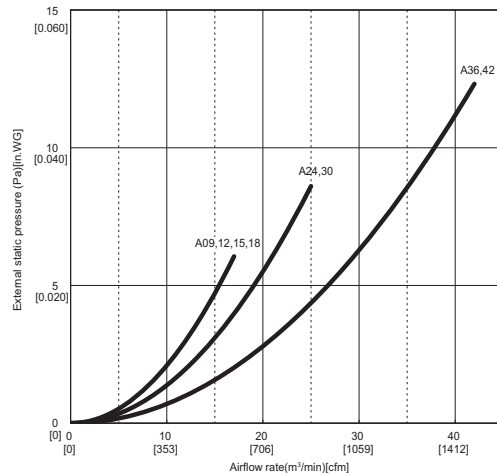
PEAD-A30AA7

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

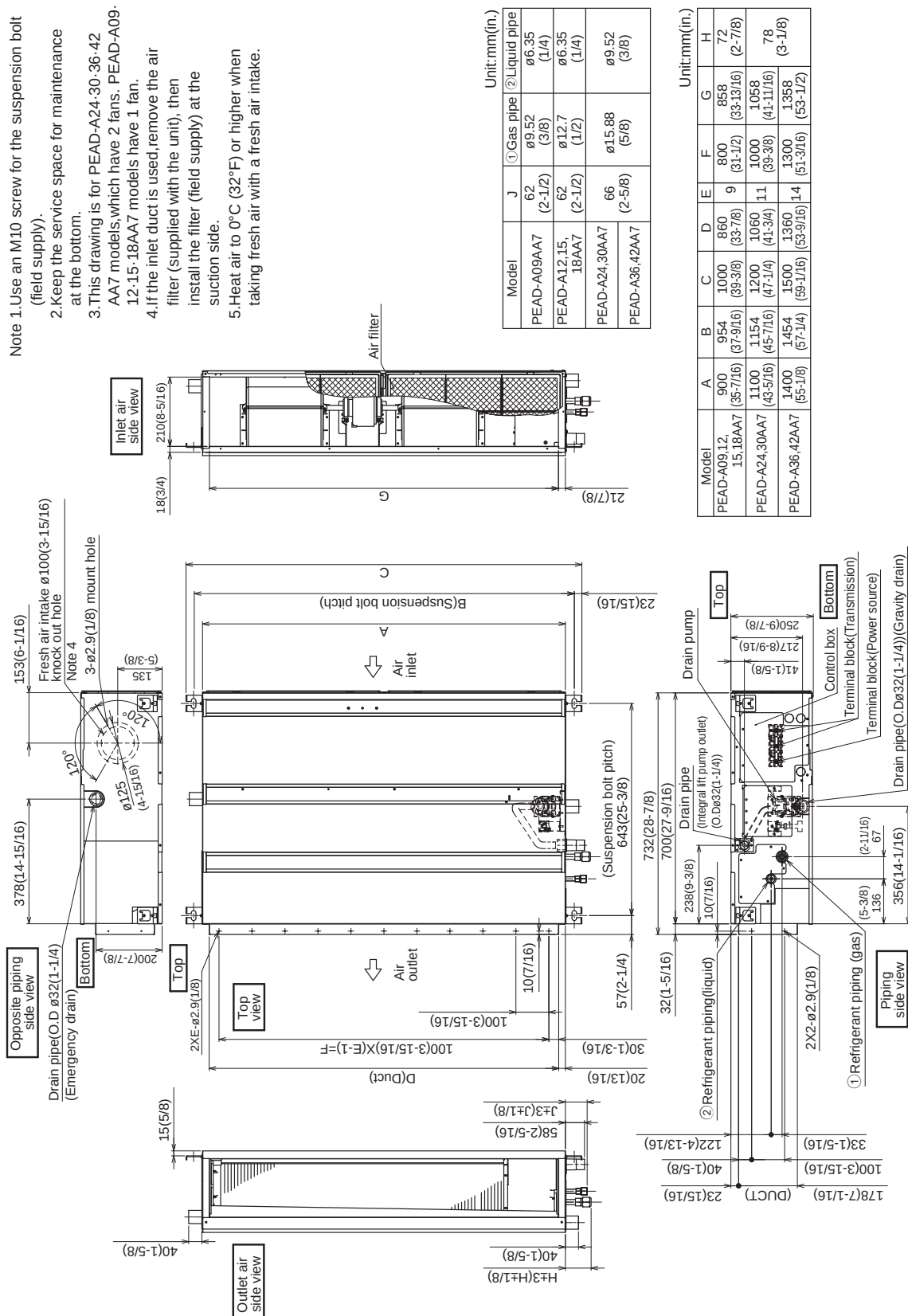


PEAD-A09,12,15,18,24,30,36,42AA7

Air filter 208-230V 60Hz



Indoor Unit Outline and Dimensions:

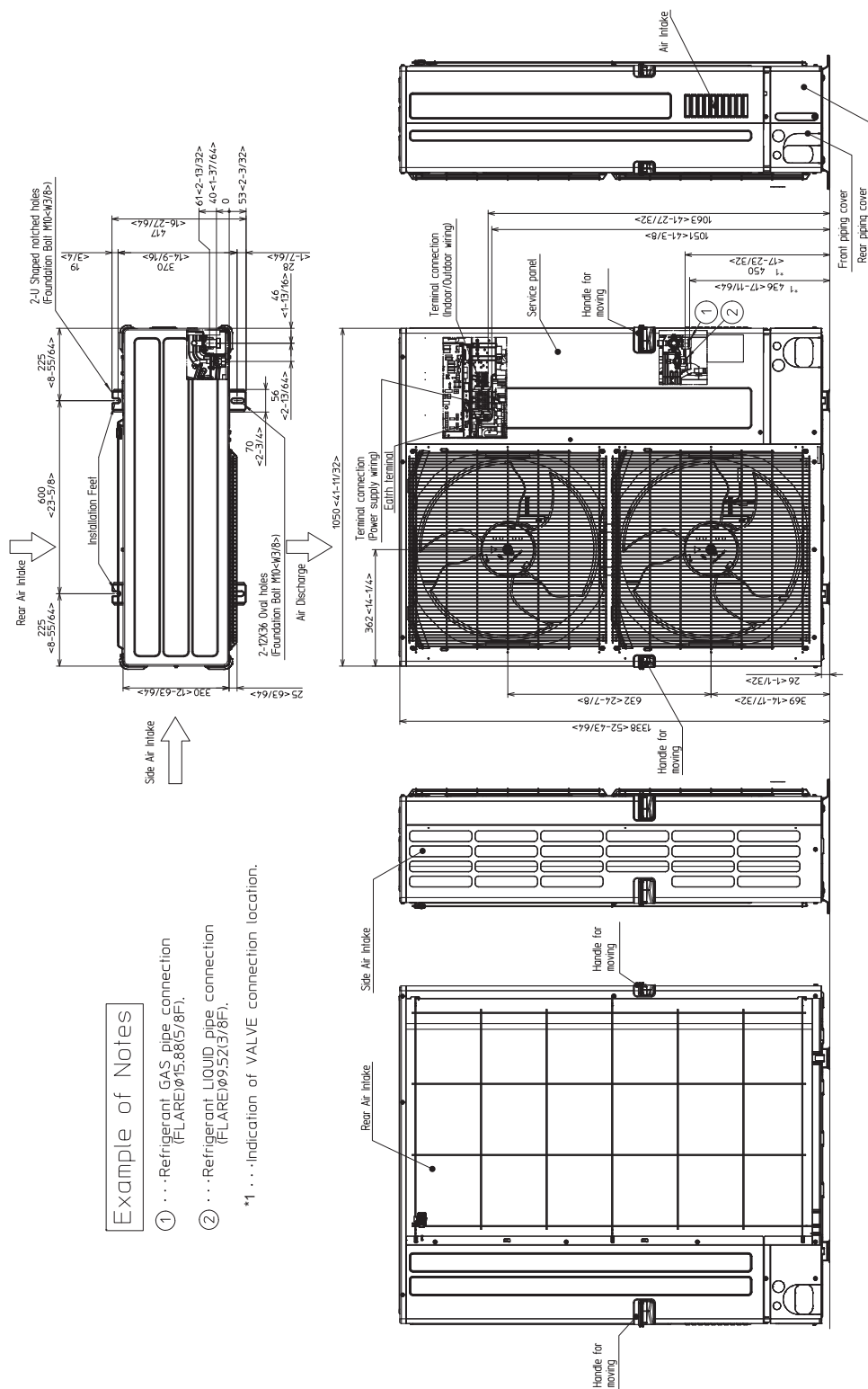


Unit: mm (in.)	J	① Gas pipe	② Liquid pipe
Model			
PEAD-A09A7	62 (2-1/2)	ø 52.7 (3/8)	ø 6.35 (1/4)
PEAD-A12.15, 18AA7	62 (2-1/2)	ø 12.7 (1/2)	ø 6.35 (1/4)
PEAD-A24.30AA7	66 (2-5/8)	ø 15.88 (5/8)	ø 9.52 (3/8)
PEAD-A36.42AA7			

Model	A	B	C	D	E	F	G	H
PEAD-A09.12	900	954	1000	860	900	800	958	72
15.18AA7	(35-7/16)	(37-9/16)	(39-3/8)	(33-7/8)	9	(31-1/2)	(33-13/16)	(2-7/8)
PEAD-A24.30AA7	1100	1154	1200	1060	1000	1058		
	(43-5/16)	(45-7/16)	(47-1/4)	(41-3/4)	11	(39-3/8)	(41-11/16)	78
PEAD-A36.42AA7	1400	1454	1500	1360	1300	1358		
	(55-1/8)	(57-1/4)	(59-1/16)	(53-9/16)	14	(51-3/16)	(53-1/2)	(3-1/8)

Outdoor Unit Outline and Dimensions:

Unit: mm<in>



Example of Notes

- ① . . . Refrigerant GAS pipe connection (FLARE) $\phi 15.88(5/8F)$.
- ② . . . Refrigerant LIQUID pipe connection (FLARE) $\phi 9.52(3/8F)$.

*1...Indication of VALVE connection location.