

SUBMITTAL DATA: PEAD-A36AA(7)(8)

18,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT FOR MXZ MULTI-ZONE HEAT PUMP SYSTEM

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


SPECIFICATIONS:

Rated Capacity*		
Cooling ¹	Btu/h / W	36,000
Heating at 47° F ²	Btu/h / W	38,000

Rating Conditions per AHRI Standard:

¹ Cooling | Indoor: 80° F(27° C)DB / 67° F(19° C)WB; Outdoor: 95° F(35° C)DB / 75° F(24° C)WB

² 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

For data on specific indoor units (all ducted, all non-ducted, and both ducted and non-ducted) combinations, see the MXZ Technical and Service Manual.

Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

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

Minimum Circuit Ampacity (MCA) *	A	3.30
----------------------------------	---	------

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

Blower Motor (ECM)	F.L.A.	2.64
--------------------	--------	------

Blower Motor Output	W	244
---------------------	---	-----

Field Drainpipe Size O.D.	In.(mm)	1-1/4 (32)
---------------------------	---------	------------

Airflow Rate (Quiet - Lo - Med - Hi)		
DRY	CFM	847-1024-1201

Sound Pressure Level		
(Lo - Med - Hi)	dB(A)	33-38-42

External Dimensions (H x W x D)	In.(mm)	9-7/8 x 55-1/8 x 28-7/8 (250 x 1400 x 732)
---------------------------------	---------	---

Net Weight	Lbs.(kg)	86 (39)
------------	----------	---------

External Finish	Galvanized-steel Sheet	
-----------------	------------------------	--

Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)

ACCESSORIES:
Indoor Unit

External Heating Adaptor (PAC-YU25HT)

Controls

Wireless Controller (MHK2)

Advanced Wired Controller (PAR-40MAA)

Simple Wired Controller (PAC-YT53CRAU)

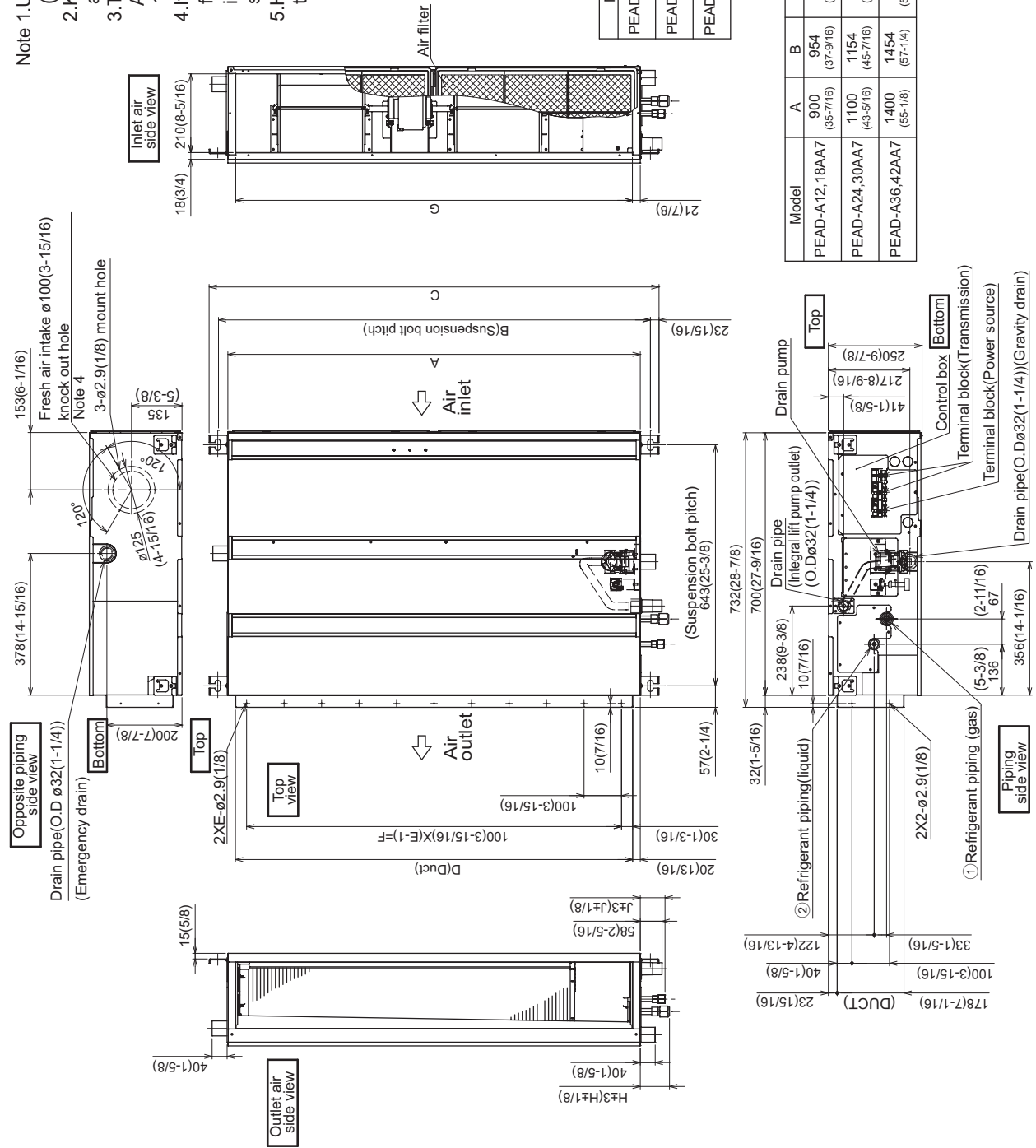
Thermostat Interface (PAC-US444CN)

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Specifications are subject to change without notice.

DIMENSIONS: PEAD-A36AA(7)(8)

- 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	Unit:mm(in.)
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	Unit:mm(in.)
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)		

Specifications are subject to change without notice.

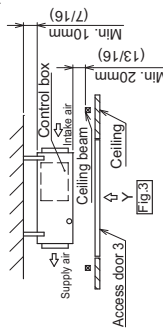
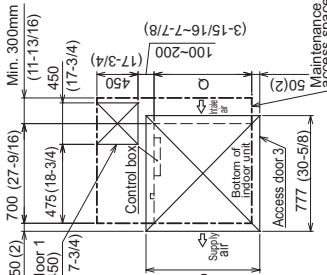
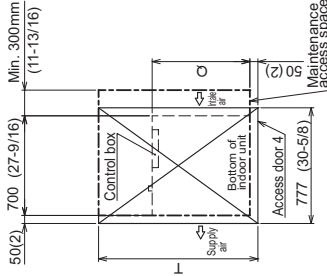
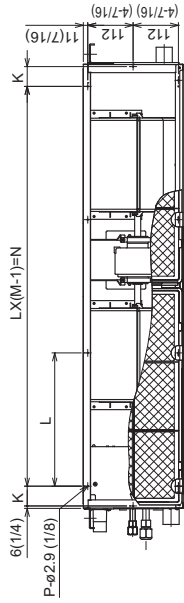
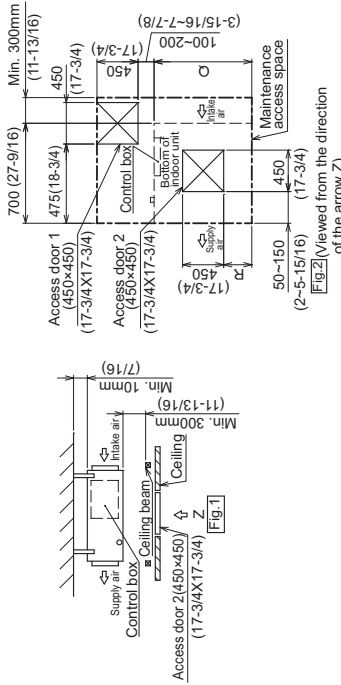
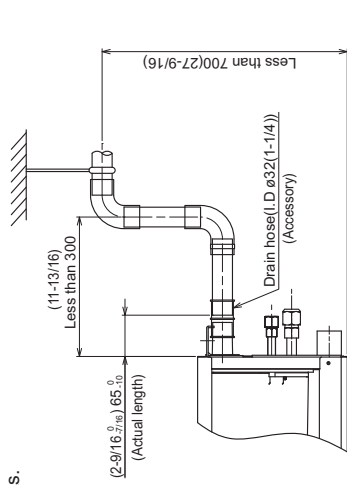
Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.*

Unit: mm (in.)

DIMENSIONS: PEAD-A36AA(7)(8)

[Maintenance access space]
 Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and control box in one of the following ways.
 Select an installation site for the indoor unit so that it's maintenance access space will not be obstructed by beams or other objects.

- (1) When a space of 300mm or more is available below the unit between the unit and the ceiling. (Fig.1)
 - Create access door 1 and 2 (450x450mm each) as shown in Fig.2.
 - (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)
- (2) When a space of less than 300mm is available below the unit between the unit and the ceiling. (Fig.3)
 - (At least 20mm of space should be left below the unit as shown in Fig.3.)
 - Create access door 1 diagonally below the control box and access door 3 below the unit as shown in Fig.4.
 - or
 - Create access door 4 below the control box and the unit as shown in Fig.5.



Model	K	L	M	N	P	Q	R	S	T	Unit:mm(m)
PEAD-A12,18AA7	54 (2-3/8)	260 (10-1/4)	4 (3/32)	780 (30-3/4)	10 (3/8)	900 (35-3/8)	150-250 (5-15/16-9/8)	1000 (39-3/8)	1500 (59-1/8)	
PEAD-A24,30AA7	49 (1-15/16)	330 (13)	4 (3/8)	990 (39-3/8)	10 (3/8)	1100 (43-3/8)	250-350 (9-7/8-13-3/8)	1200 (47-1/4)	1700 (66-5/8)	
PEAD-A36,48AA7	54 (2-3/8)	320 (12-5/8)	5 (5/16)	1280 (50-3/8)	12 (5/8)	1400 (55-1/8)	400-500 (15-3/4-19-1/8)	1500 (59-1/8)	2000 (78-3/4)	

Fig.5 (Viewed from the direction of the arrow Y)

Fig.4 (Viewed from the direction of the arrow Y)

Unit: mm (in.)

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

