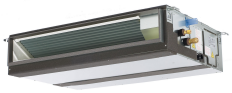
MITSUBISHI ELECTRIC
Heating and Cooling

M-SERIES

PEAD-A18AA7 & SUZ-KA18NAHZ

18,000 Btu/h Horizontal Ducted Heat Pump

Job Name:	Location:	Date:
Purchaser:	Submitted by:	
Submitted to:	☐ Reference ☐ Approval ☐ Construction	
System Designation:	Schedule Number #:	
Engineer:		



Energy Efficiency		
	SEER	18.9
	EER	12.8
	HSPF	10.8

Accessories:

- ☐ Windscreens (ME-FR-24)
- ☐ External Fan/Heater Control Adapter (PAC-YU25HT-G)
- ☐ Cable Connector of Remote Sensor (PAC-SA88HA-EP)*

*Allows control of several units with multiple remote control display

Optional Controls:

- ☐ Wireless Controller (MHK1)
- ☐ Wired Remote Controller (PAR-40MAA)
- ☐ Simple MA Remote Controller (PAC-YT53CRAU-J)
- ☐ System Control Interface (MAC-334IF-E)
- ☐ Wireless Remote (PAR-FL32MA-E) (Requires PAR-FA32MA-E)
- ☐ Remote Temperature Sensor (PAC-SE41TS-E)

Indoor unit	MCA (*)	A	1.69
	Fan Motor	F.L.A	1.35
	Fan Motor Output	W	85
	Air flow (Lo-Mid-Hi)	DRY(CFM)	424-512-600
		WET(CFM)	382-461-540
	External Static Pressure	in WG	0.14-0.20-0.28-0.40-0.60
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	30-33-37
	External Finish Color		Galvanized Sheets
	Dimensions	W: in	35-7/16
		D: in	28-7/8
		H: in	9-7/8
	Weight Unit	lbs	62
	Field Drainpipe O.D.	in	O.D. 1-1/4
	Refrigerant pipe Gas	in	1/2
	Refrigerant pipe Liquid	in	1/4
	Moisture Removal	Pints/h	3.6
	Sensible Heat Factor		0.78

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

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

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Outdoor unit	MCA (*)	A	17
	MOCP (*) (Breaker)	A	31 (20)
	Fan Motor	F.L.A.	1
	Compressor	Model(Type)	DC INVERTER-Driven Twin Rotary
		R.L.A.	13
		L.R.A.	16
	Air flow (Cooling/Heating)	CFM	(2,020/1,930)
	Refrigerant Control		Linear Expansion Valve
	Defrost Method		Reverse Cycle
	SPL (Cooling)	dB (A)	55
	SPL (Heating)	dB (A)	55
	External Finish Color		Munsell No.3Y 7.8/1.1
	Dimension	W: in	33-1/16
		D: in	13
		H: in	34-5/8
	Weight	lbs	131
Remote Controller	Type		Wired Remote Controller
Refrigerant	Type		R410A
	Charge	lbs, oz	4,14
	Oil	Type(Fl.oz.)	FV50S(23.7)
Refrigerant Pipe	Gas side O.D.	in	1/2
	Liquid side O.D.	in	1/4
	Height Difference (Max)	ft	50
	Length (Max.)	ft	100
Connection Method	Indoor/Outdoor		Flared/Flared
Operation Guarantee	Cooling	°F	14 - 115
	Heating	°F	-13 - 75

Power supply	Voltage, Phase, Cycle	1-phase, 60Hz, 208/230V
Voltage	Indoor - Outdoor S1-S2	AC 208/230V
	Indoor - Outdoor S2-S3	DC12-24V
	Indoor - Remote controller	DC12V

		MAX (Btu)	MAX RATED INPUT (W)	RATED (Btu)	RATED TOTAL INPUT (W)	COP	
Heating	47°F	29,680	3,331	22,896	1,937	2.61	*
	17°F	22,540	2,632	14,148	1,531	2.51	*
	5°F	22,540	2,048	9,288	1,191	2.28	
	-4°F	16,116	1,564	5,557	909	1.79	
	-13°F	9,692	1,039	1,377	604	0.67	
Cooling	80°F	21,212	1,304	21,212	1,304	4.77	

* COP at MAX capacity

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

Operation range		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -25℃(-13°F), W.B. -26℃(-14°F)

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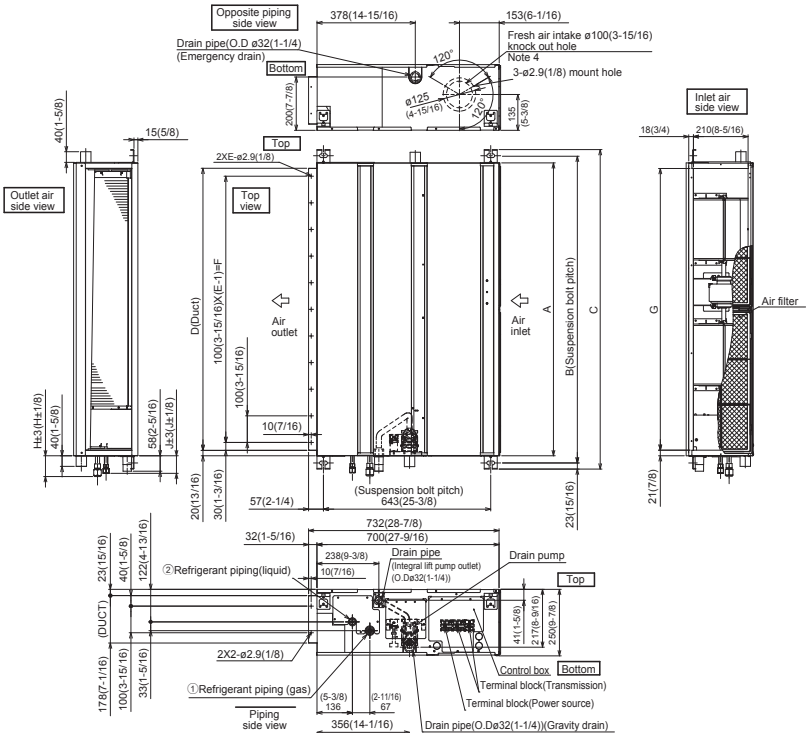


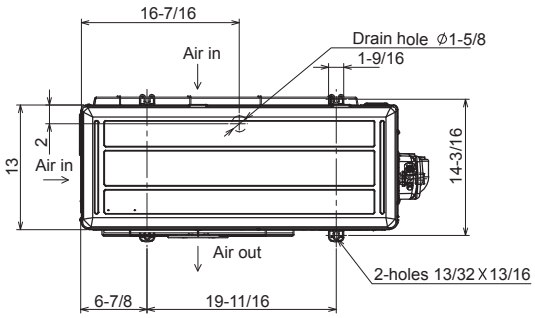
Note 1.Use an M10 screw for the suspension bolt (field supply).
2.Keep the service space for maintenance at the bottom.
3.This drawing is for PEAD-A24·30·36·42 AA7 models,which have 2 fans. PEAD-A09·12·15·18AA7 models have 1 fan.
4.If the inlet duct is used,remove the air filter (supplied with the unit), 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.

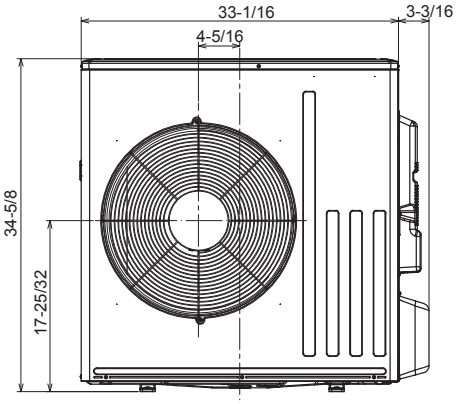
Unit:mm(in.)

Model	J	①Gas pipe	②Liquid pipe
PEAD-A09AA7	62 (2-1/2)	ø9.52 (3/8)	ø6.35 (1/4)
PEAD-A12,15, 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			

Unit:mm(in.)

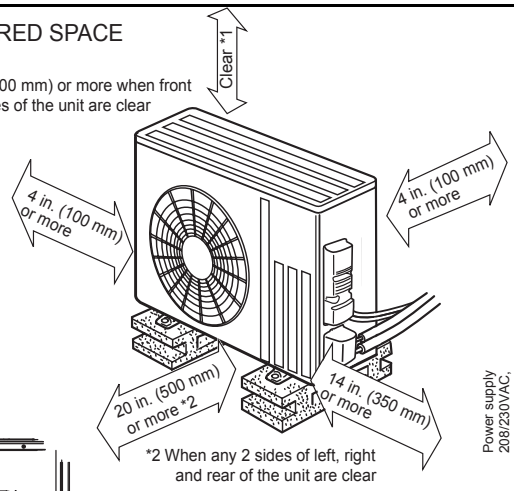
Model		D	E	F	G	H
PEAD-A09,12, 15,18AA7	900 (35-7/16)	860 (33-7/8)	9	800 (31-1/2)	858 (33-13/16)	72 (2-7/8)
PEAD-A24,30AA7	1100 (43-5/16)	1060 (41-3/4)	11	1000 (39-3/8)	1058 (41-11/16)	78 (3-1/8)
PEAD-A36,42AA7	1400 (55-1/8)	1360 (53-9/16)	14	1300 (51-3/16)	1358 (53-1/2)	



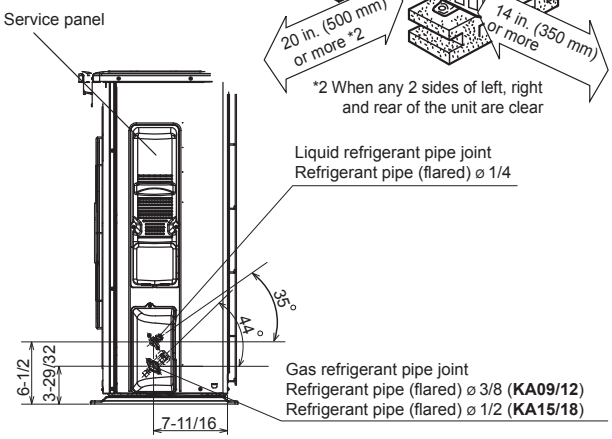


REQUIRED SPACE

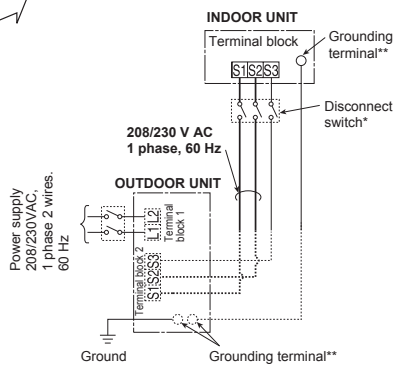
*1 20 in. (500 mm) or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear



Unit: inch



Remark:
* A disconnect switch is required. Check the local code.
** Use a ring tongue terminal in order to connect a ground wire to terminal.

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