

SUBMITTAL DATA: PEAD-A18AA7 & SUZ-KA18NAH2

18,000 BTU/H Horizontal-Ducted 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.:	



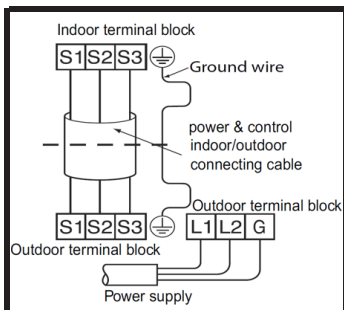
ACCESSORIES:

- 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)
- Thermostat Interface (PAC-US444CN-1)
- System Control Interface (MAC-334IF-E)
- Wireless Remote (PAR-FL32MA-E) (Requires PAR-FA32MA-E)
- Remote Temperature Sensor (PAC-SE41TS-E)

NOTES: *1 Rating conditions (cooling) Indoor: D.B. 26.7°C(80°F), W.B. 19.4°C(67°F), Outdoor: D.B. 35°C(95°F), W.B. 23.8°C(75°F)	
*2 Rating conditions (heating) Indoor: D.B. 21.1°C(70°F), W.B. 15.6°C(60°F), Outdoor: D.B. 8.3°C(47°F), W.B. 9.4°C(49°F)	
Operating range	
Cooling	Outdoor intake air temperature(SUZ-A18NAH2, TH)
Maximum	D.B. 46°C(115°F)
Minimum	D.B. 4°C(40°F)
Heating	Outdoor intake air temperature(SUZ-A18NAH2, TH)
Maximum	D.B. 24.5°C(76°F), W.B. 18°C(65°F)
Minimum	D.B. 20°C(68°F), W.B. 21°C(69°F)



Specifications are subject to change without notice

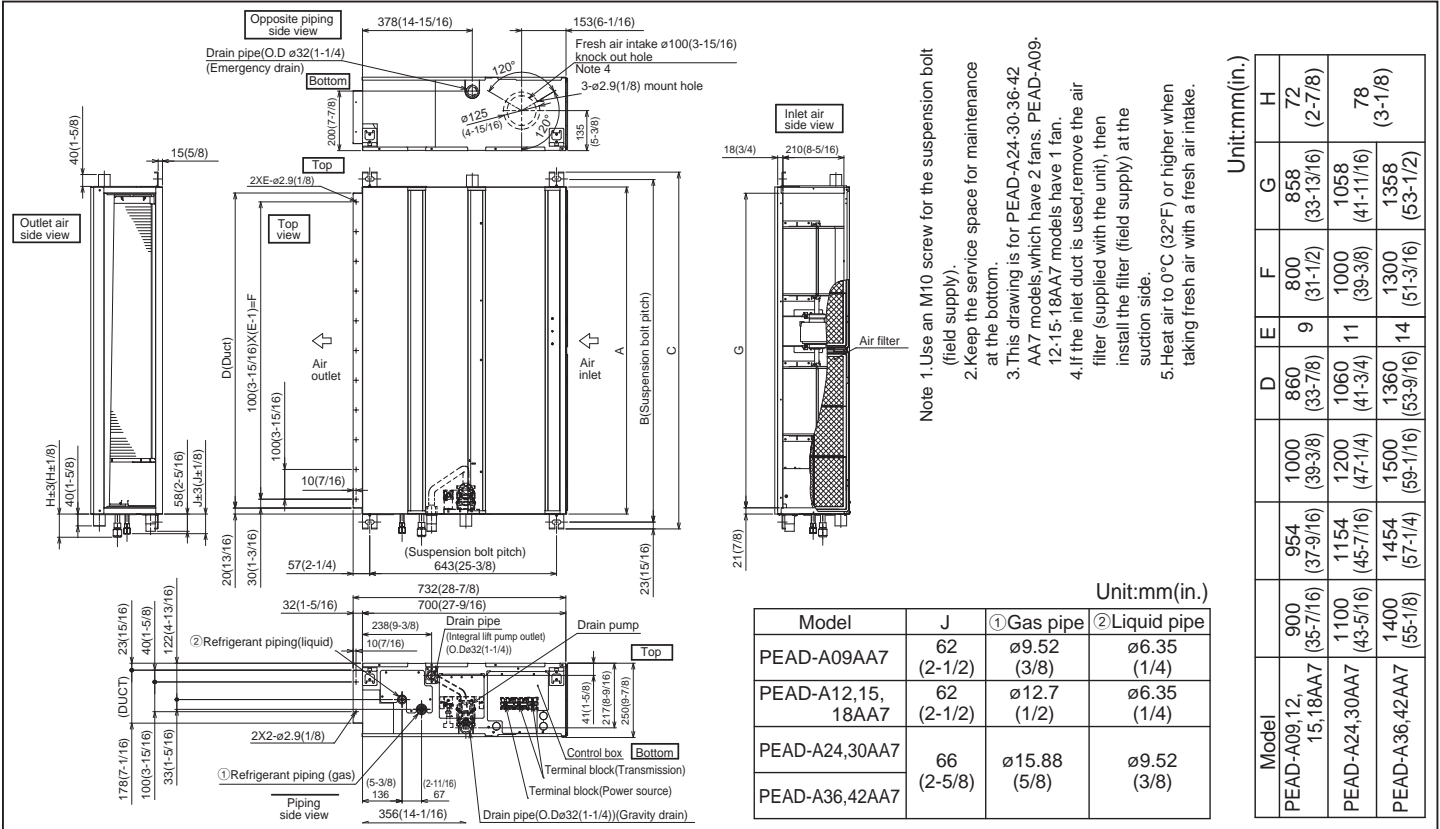
Cooling	Rated Capacity	Btu/h	18000
	Capacity Range	Btu/h	6200-18000
	Total input	W	1270
	Energy Efficiency	EER	14.1
		SEER	19.8
	Moisture Removal	Pints/h	3.2
Sensible Heat Factor		0.8	
Heating at 47°F	Rated Capacity	Btu/h	21600
	Capacity Range	Btu/h	8120-25600
	Total input	W	1600
	HSPF(Region IV)	Btu/h/W	12.9(12.5)
Heating at 17°F	Rated Capacity	Btu/h	14000
	Rated Total input	W	1440(1560)
	Maximum Capacity	Btu/h	14000
	Maximum Total Input	W	1440(1560)
Power supply	Voltage, Phase, Cycle 208/230V, 1-phase, 60Hz		
Voltage	Indoor - Outdoor S1-S2 AC 208/230V		
	Indoor - Outdoor S2-S3 DC12-24V		
	Indoor - Remote controller DC12V		
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	

Outdoor unit	MCA (*)	A	14	
	MOCP (*)	A	24	
	Fan Motor	F.L.A.	0.67	
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary	
		R.L.A.	10	
		L.R.A.	12.5	
	Air flow (Cooling/Heating)	CFM	(1,691/1,691)	
	Refrigerant Control	Linear Expansion Valve		
	Defrost Method	Reverse Cycle		
	SPL (Cooling)	dB (A)	54	
	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	127		
Remote Controller	Type	Wired Remote Controller		
Refrigerant	Type	R410A		
	Charge	lbs, oz	3.9	
Refrigerant Pipe	Oil	Type(Fl.oz.)	FV50S(11.8)	
	Gas side O.D.	in	1/2	
	Liquid side O.D.	in	1/4	
	Height Difference (Max)	ft	50	
Connection Method	Length (Max.)	ft	100	
	Indoor/Outdoor	Flared/Flared		
Operation Guarantee	Cooling	°F	14 - 115	
	Heating	°F	-4 - 75	

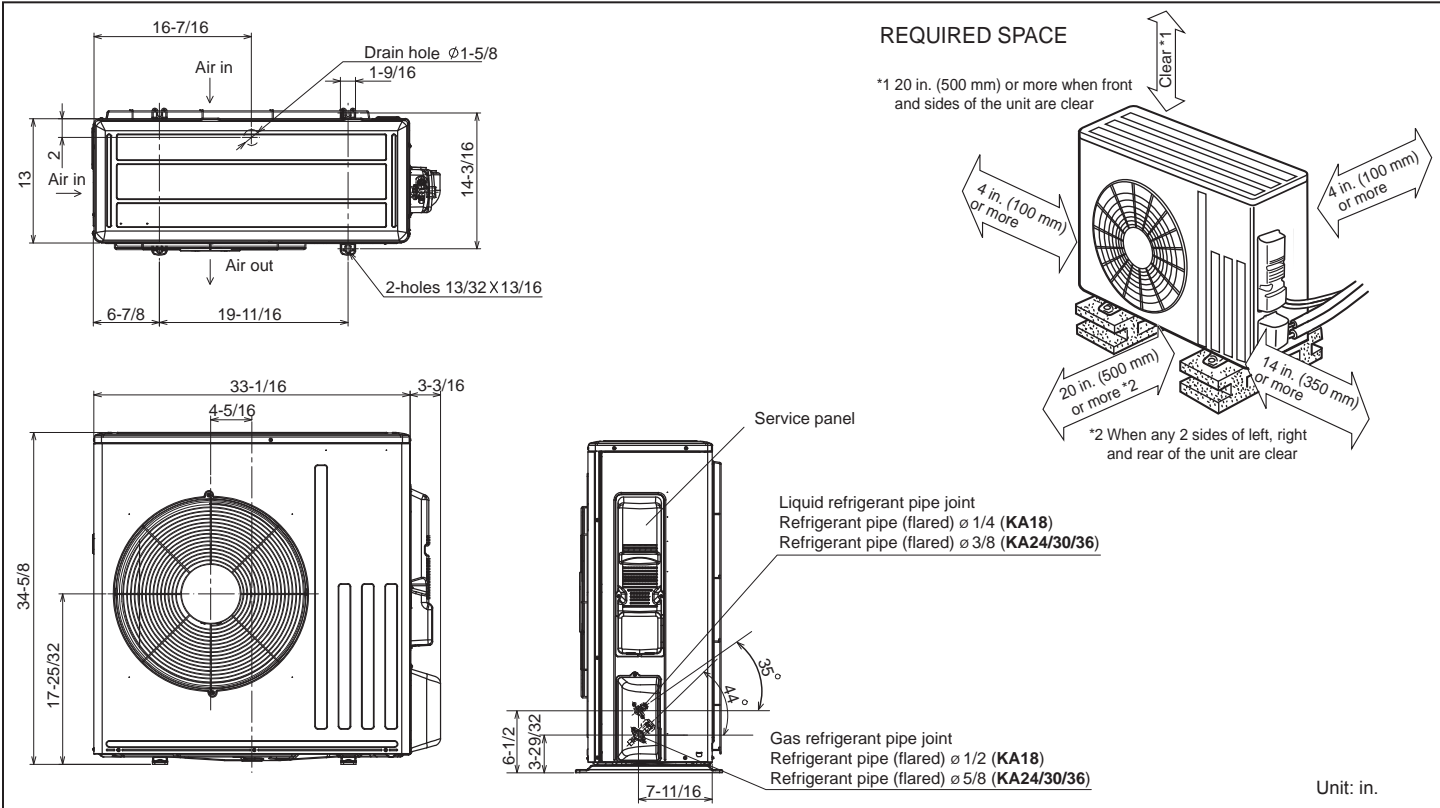
Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories for proper functioning of the unit(s). Use of non-MESCA supported accessories will affect warranty coverage.

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

DIMENSIONS: PEAD-A18AA7 & SUZ-KA18NAH2



- 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.



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Form # SB_PEAD-A18AA7_SUZ-KA18NAH2.TH_202011
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