

SUBMITTAL DATA: PKA-A18HA7 & PUZ-A18NKA7
18,000 BTU/H WALL-MOUNTED 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.:



Indoor Unit: PKA-A18HA7



Outdoor Unit: PUZ-A18NKA7 (-BS)

UNIT OPTION:

Standard Model.....PUZ-A18NKA7
Seacoast (BS) Model.....PUZ-A18NKA7-BS

ACCESSORIES:

Indoor

Controls

External Heater Adaptor (PAC-SE59RA-E)

- Wireless Controller (MHK1)
- Advanced Wired Controller (PAR-40MAA)
- Simple Wired Controller (PAC-YT53CRAU)
- Wireless Remote Controller (PAR-FL32MA) Thermostat
- Interface (PAC-US444CN)
- M-NET Adapter (PAC-SJ96MA-E)

Outdoor Unit

- Front Wind Guard (PFR-12-18)
- Rear Wind Guard (PRE-12-18)
- Side Wind Guard (PSD-12-18)

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	18,000 / 1,820
Heating at 47° F	Btu/h / W	19,000 / 1,300
Heating at 17° F	Btu/h / W	11,300 / 1,340

* 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	8,000 - 18,000
Heating at 47° F	Btu/h	7,700 - 22,000

Operating Range	
Cooling	0°F** (-18°C) to 115°F (46°C) DB
Heating	12°F (-11°C) to 70°F (21°C) DB

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

AHRI Efficiency Ratings	
EER	9.9
SEER	18.5
HSPF IV / V	10.2 / 7.5
COP at 47° F	4.28
COP at 17° F	2.47

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 1 AMP	Outdoor 11 AMP	15 AMP	28 AMP

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

Indoor Unit		
Fan Motor (ECM)	F.L.A.	0.33
Fan Motor Output	W	30
SHF / Moisture Removal		0.68 / 5.2 pt./h
Field Drainpipe Size O.D	in. (mm)	5/8 (16)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	F.L.A.	0.5
Fan Motor Power	W	46

Airflow Rate (Low-Mid-Hi)			
Indoor (Cooling)	DRY	CFM	320-370-425
	WET		290-335-380
Outdoor	DRY		1,590

Sound Pressure Level		
Indoor (Low-Mid-Hi)		36-40-43
Outdoor	Cooling	44
	Heating	46

External Dimensions		
Indoor (H x W x D)	In.(mm)	11-5/8 x 35-3/8 x 9-13/16 (295 x 898 x 249)
Outdoor (H x W x D)		24-13/16 x 31-13/16 + 7/16 x 11-3/16 (630 x 809 + 62 x 300)

Net Weight	
Indoor	Lbs.(kg)
Outdoor	29 (13) 100 (45)

External Finish	
Indoor	White Munsel No. 1.0Y 9.2/0.2
Outdoor	Ivory Munsell No. 3Y 7.8 / 1.1

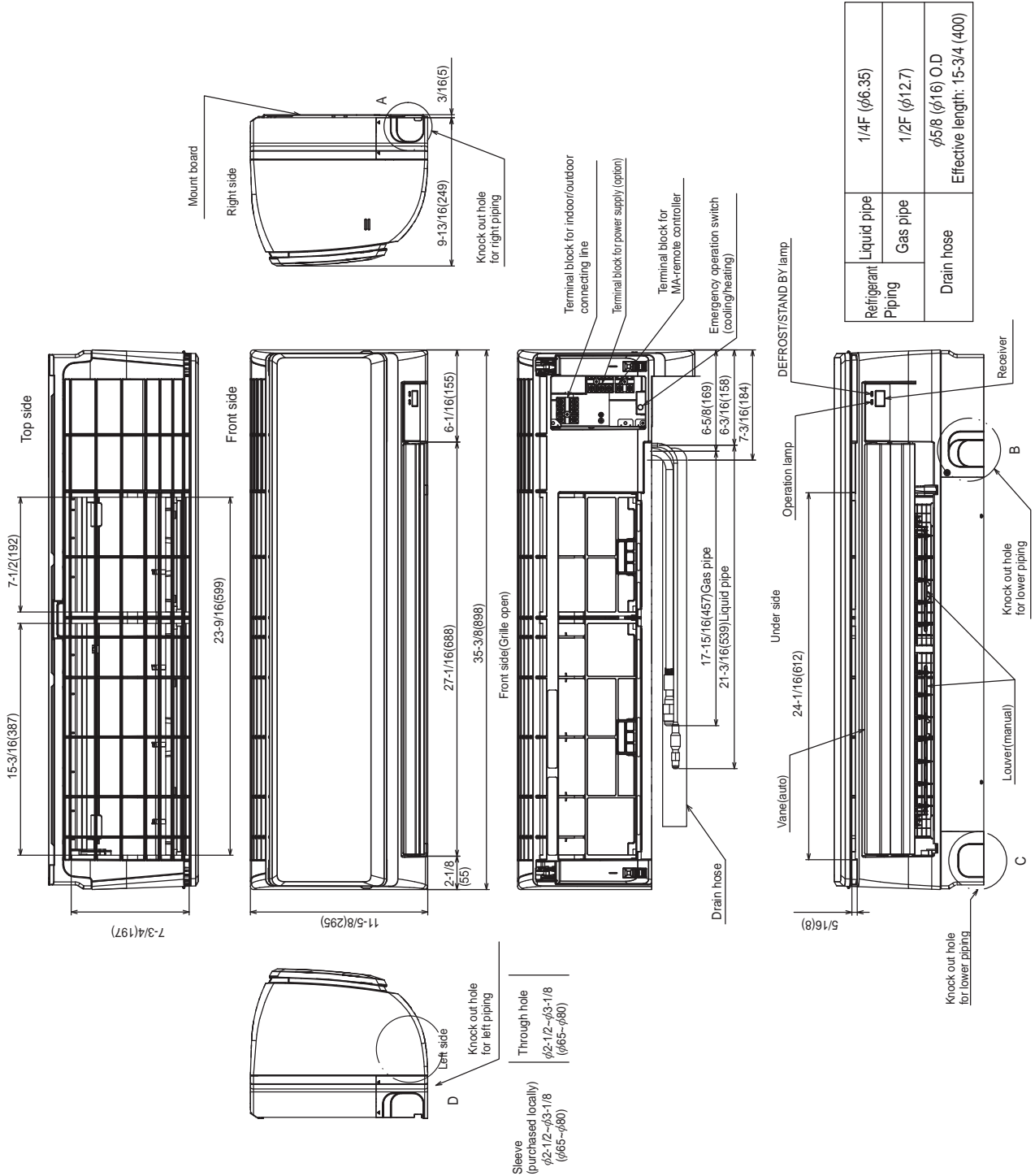
Refrigerant	R410A ; 4lbs., 14oz. (2.2kg)
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Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.7)
Maximum Total Refrigerant Pipe Length	Ft. (m)	100 (30)
Maximum Vertical Separation	Ft. (m)	100 (30)

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DIMENSIONS: PKA-A18HA7

Unit: in. (mm)



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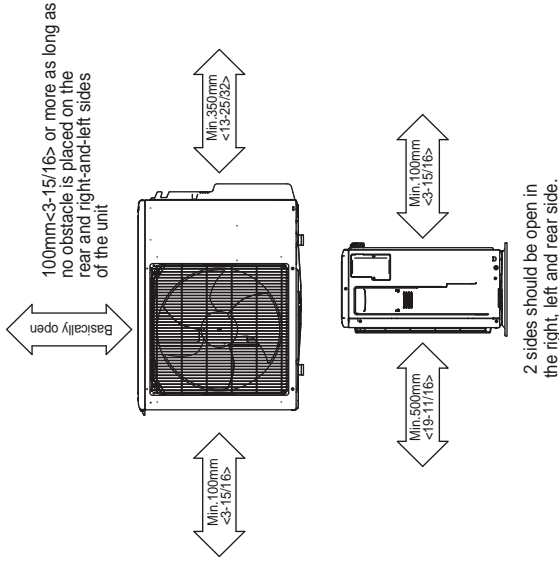
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DIMENSIONS: PUZ-A18NKA7

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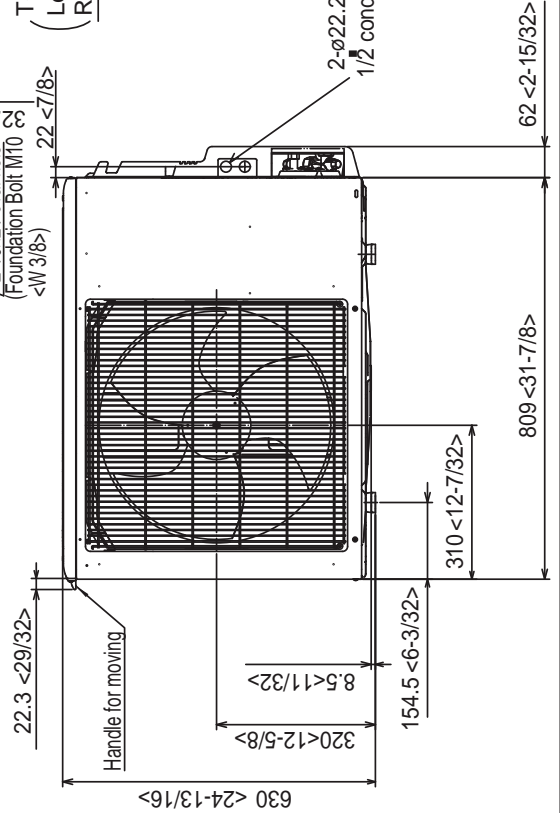
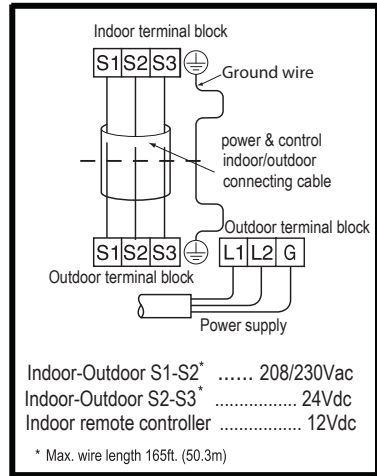
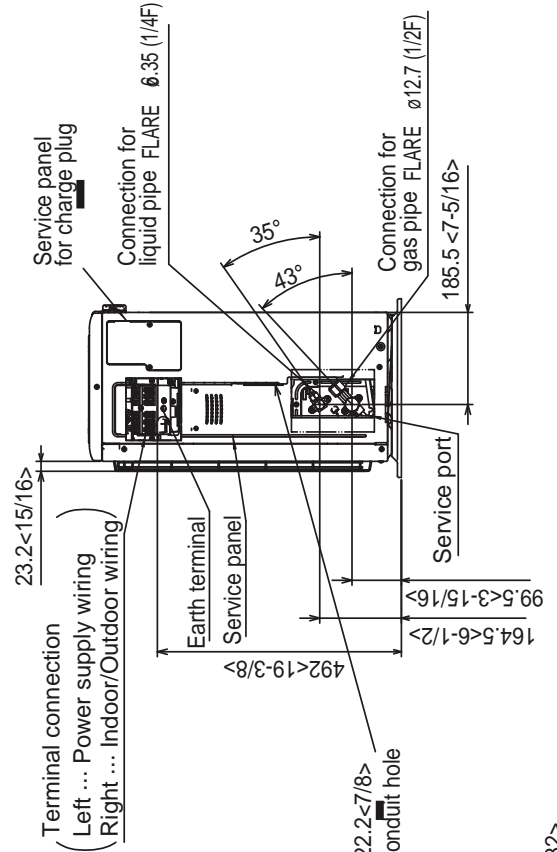
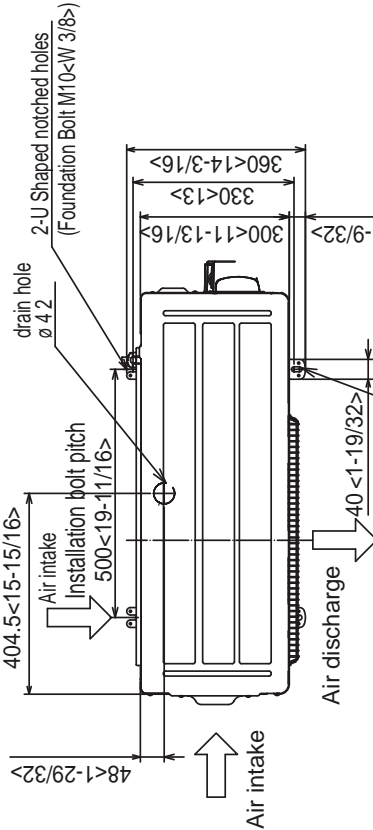
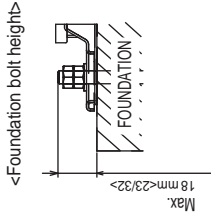
Unit: mm (in.)

Free space around the outdoor unit
(basic example)



FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10<W3/8>) bolts. (Bolts, washers and nut must be purchased locally).



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