

**SUBMITTAL DATA: PKA-A18LA-TH & 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-A18LA-TH



Outdoor Unit: PUZ-A18NKA7 (-BS)

**UNIT OPTION:**

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

**ACCESSORIES:**

**Indoor**

**Controls**

External Heater Adaptor (PAC-YU25HT)

- Wireless Controller (MHK1)
- Advanced Wired Controller (PAR-40MAAU)
- 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 / 1,680
Heating at 47° F	Btu/h / W	19,000 / 1,640
Heating at 17° F	Btu/h / W	9,300 / 1,110

\* 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	10.7
SEER	19.8
HSPF IV / V	11.2 / 9.4
COP at 47° F	3.40
COP at 17° F	2.45

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.	0.19
Fan Motor Output	W	30
SHF	0.64 / 0.73**	
Field Drainpipe Size O.D	in. (mm)	5/8 (16)   Moisture Removal - 5.8pt./h

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

Airflow Rate (Low-Mid1-Mid2-Hi)			
Indoor (Cooling)	DRY	CFM	265-310-375-450
	WET		215-255-320-375
Outdoor	DRY		1,590

Sound Pressure Level			
Indoor (Low-Mid1-Mid2-Hi)		34-39-44-48	
Outdoor	Cooling	dB(A)	44
	Heating		46

External Dimensions		
Indoor (H x W x D)	In.(mm)	11-25/32 x 35-23/64 x 9-11/32 (299 x 898 x 237)
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)   28 (12.7)
Outdoor	100 (45)

External Finish	
Indoor	White Munsel No. 0.7PB 9.2/0.4
Outdoor	Ivory Munsel No. 3Y 7.8 / 1.1

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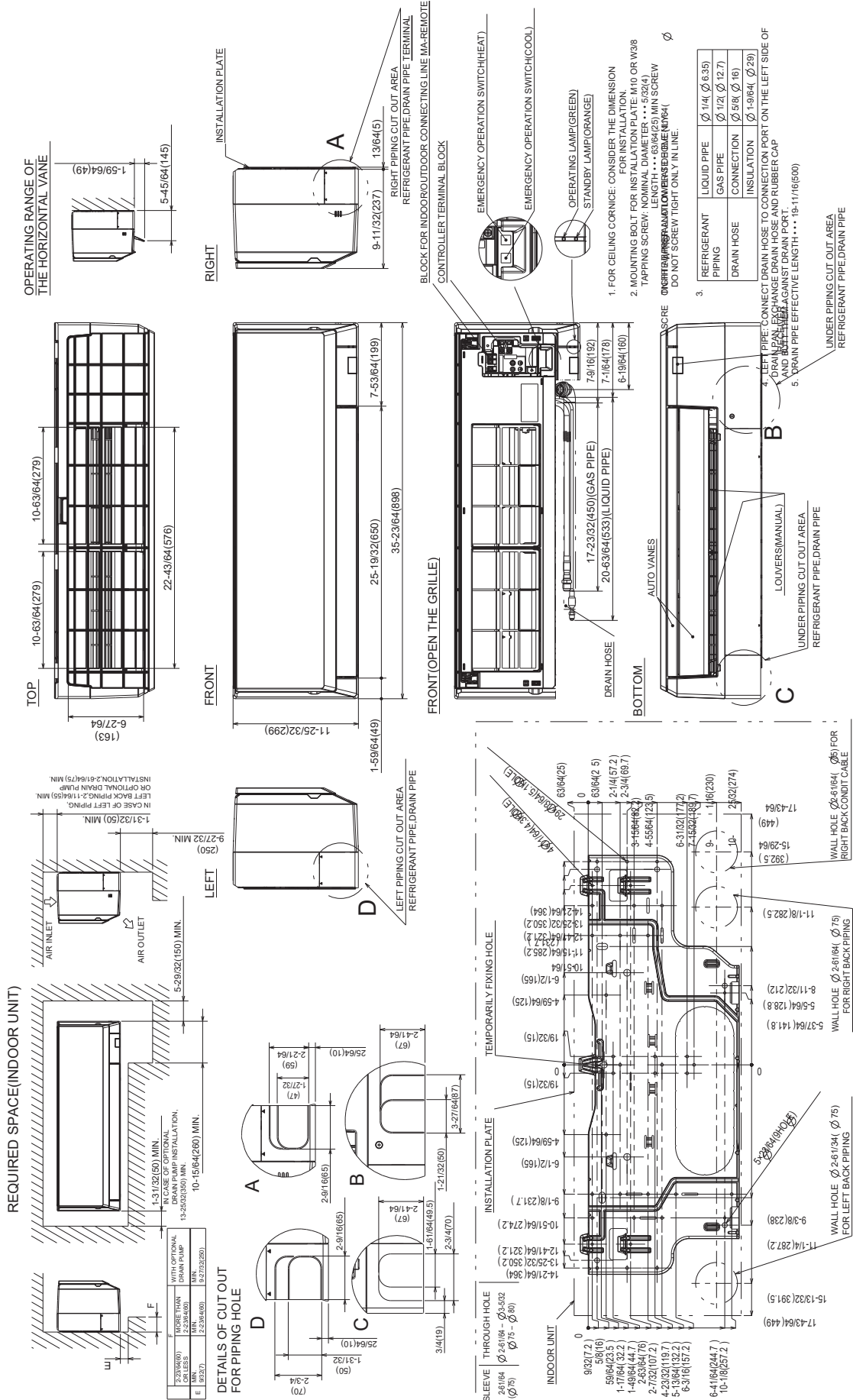
Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.7)
Maximum Total Refrigerant Pipe Length	Ft. (m)	100 (30)
Maximum Vertical Separation	Ft. (m)	100 (30)

\*\*Asterisk denotes performance specification based on ASHRAE / ANSI Standard 127:2012 for Data Processing and Information Technology Equipment Space Room Cooling

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# DIMENSIONS: PKA-A18LA-TH

Unit: in. (mm)

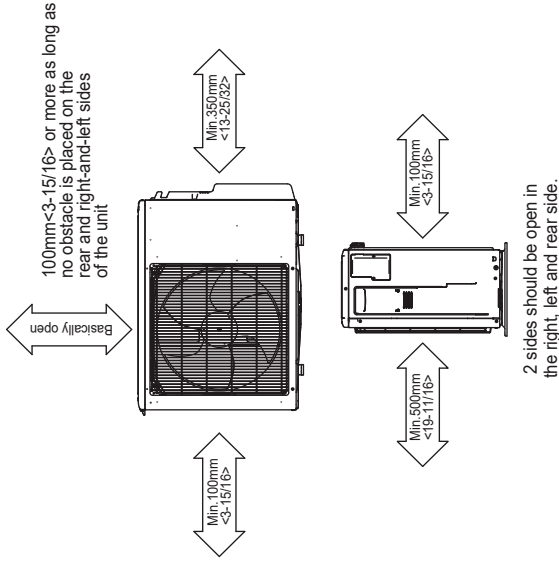


# DIMENSIONS: PUZ-A18NKA7

Unit: mm (in.)

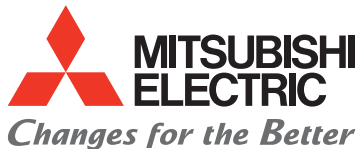
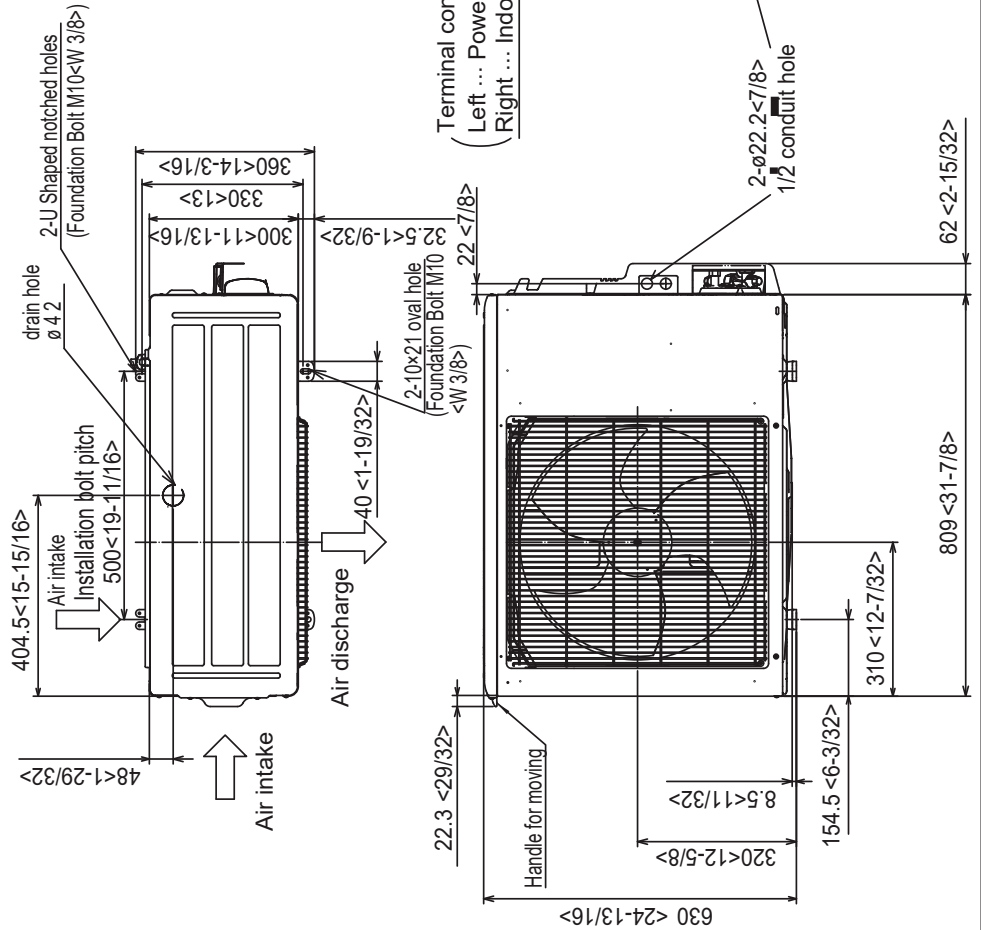
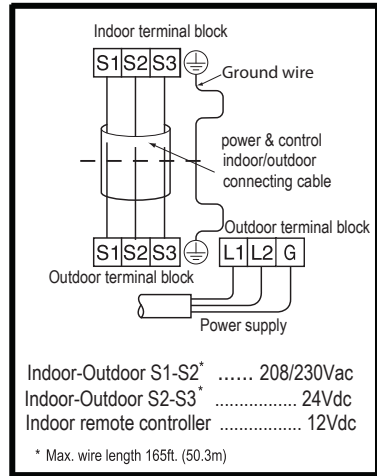
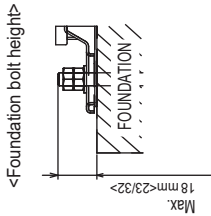
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**Free space around the outdoor unit**  
(basic example)



## 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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