

SUBMITTAL DATA: PKA-A30KA7 & PUZ-HA30NHA5
30,000 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-A30KA7



Outdoor Unit: PUZ-HA30NHA5

UNIT OPTION:

Standard Model.....PUZ-HA30NHA5

ACCESSORIES:

Indoor

Controls

- Wireless Controller (MHK1)
- Advanced Wired Controller (PAR-33MAA)
- Simple Wired Controller (PAC-YT53CRAU)
- Wireless Remote Controller (PAR-FL32MA)
- Thermostat Interface (PAC-US444CN)
- M-NET Adapter (PAC-SF83MA-E)

External Heater Adaptor (PAC-SE59RA-E)

Outdoor Unit

- Rear Snow Guard (SG-1-RE)
- Side Snow Guard (SG-1-SD)
- Front Wind Deflector (x2 required) (PE-FR-24-36)

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	30,000 / 2,500
Heating at 47° F	Btu/h / W	32,000 / 2,930
Heating at 17° F	Btu/h / W	32,000 / 5,080

* 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	18,000 - 30,000
Heating at 47° F	Btu/h	18,000 - 34,000

Operating Range		
Cooling	0° F** to 115° F (-18° C to 46° C) DB	
Heating	-13° F to 70° F (-25° C to 21° C) DB	

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

AHRI Efficiency Ratings	
EER	12.0
SEER	16.5
HSPF IV / V	9.5 / 7.3
COP at 47° F	3.20
COP at 17° F	1.85

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	MOCOP (Outdoor)
Indoor 1 AMP	Outdoor 28 AMP	30 AMP / 40 AMP

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

Indoor Unit		
Fan Motor (ECM)	F.L.A.	0.36
Fan Motor Output	W	56
SHF / Moisture Removal		0.70 / 8.1 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.	0.4 + 0.4
Fan Motor Power	W	86 + 86

Airflow Rate (Low-Mid-Hi)			
Indoor (Cooling)	DRY	CFM	635-705-775
	WET		570-635-700
Outdoor	DRY		3,530

Sound Pressure Level			
Indoor (Low-Mid-Hi)		39-42-45	
Outdoor	Cooling	dB(A)	52
	Heating		53

External Dimensions		
Indoor (H x W x D)	In.(mm)	14 3/8 x 46 1/16 x 11 5/8 (365 x 1170 x 295)
Outdoor (H x W x D)		53-1/8 x 37-3/8 x 13 + 1-3/16 (1,350 x 950 x 330 + 30)

Net Weight		
Indoor	Lbs.(kg)	46 (21)
Outdoor		265 (120)

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

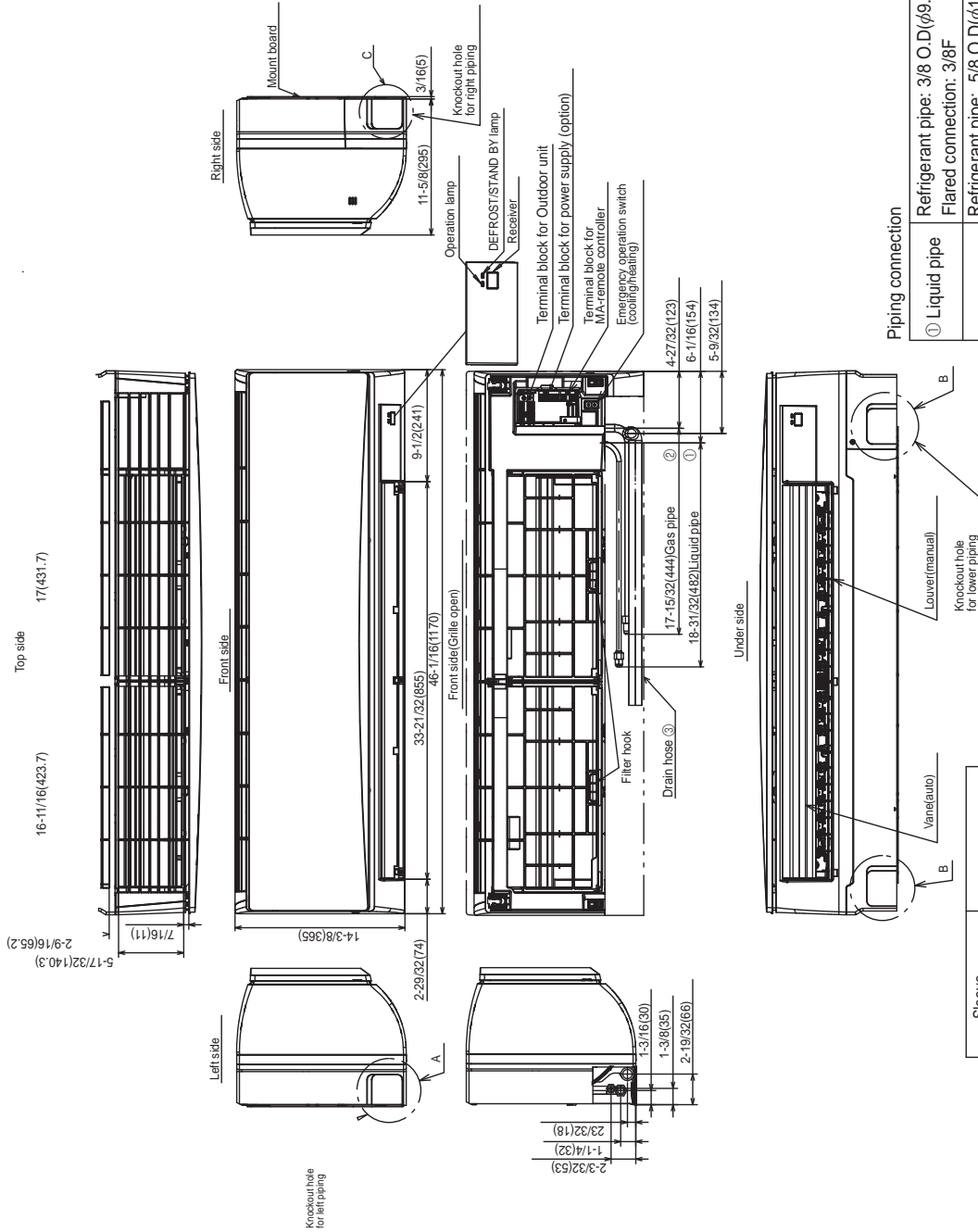
Refrigerant	R410A ; 12lbs., 2oz. (5.5kg)
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Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Maximum Total Refrigerant Pipe Length	Ft. (m)	245 (75)
Maximum Vertical Separation	Ft. (m)	100 (30)

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DIMENSIONS: PKA-A30KA7

Unit: in. (mm)



Piping connection	
① Liquid pipe	Refrigerant pipe: 3/8 O.D.(φ9.52) Flared connection: 3/8F
② Gas pipe	Refrigerant pipe: 5/8 O.D.(φ15.88) Flared connection: 5/8F
③ Drain hose	5/8(φ16) O.D. Effective length: 23-1/32 (585)

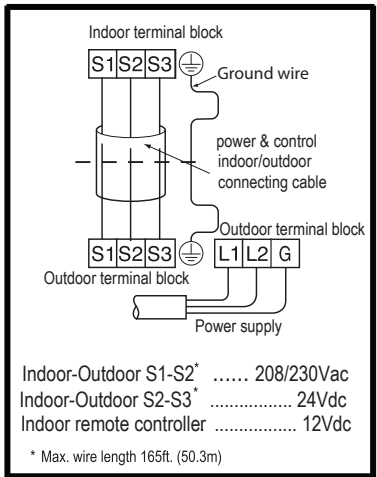
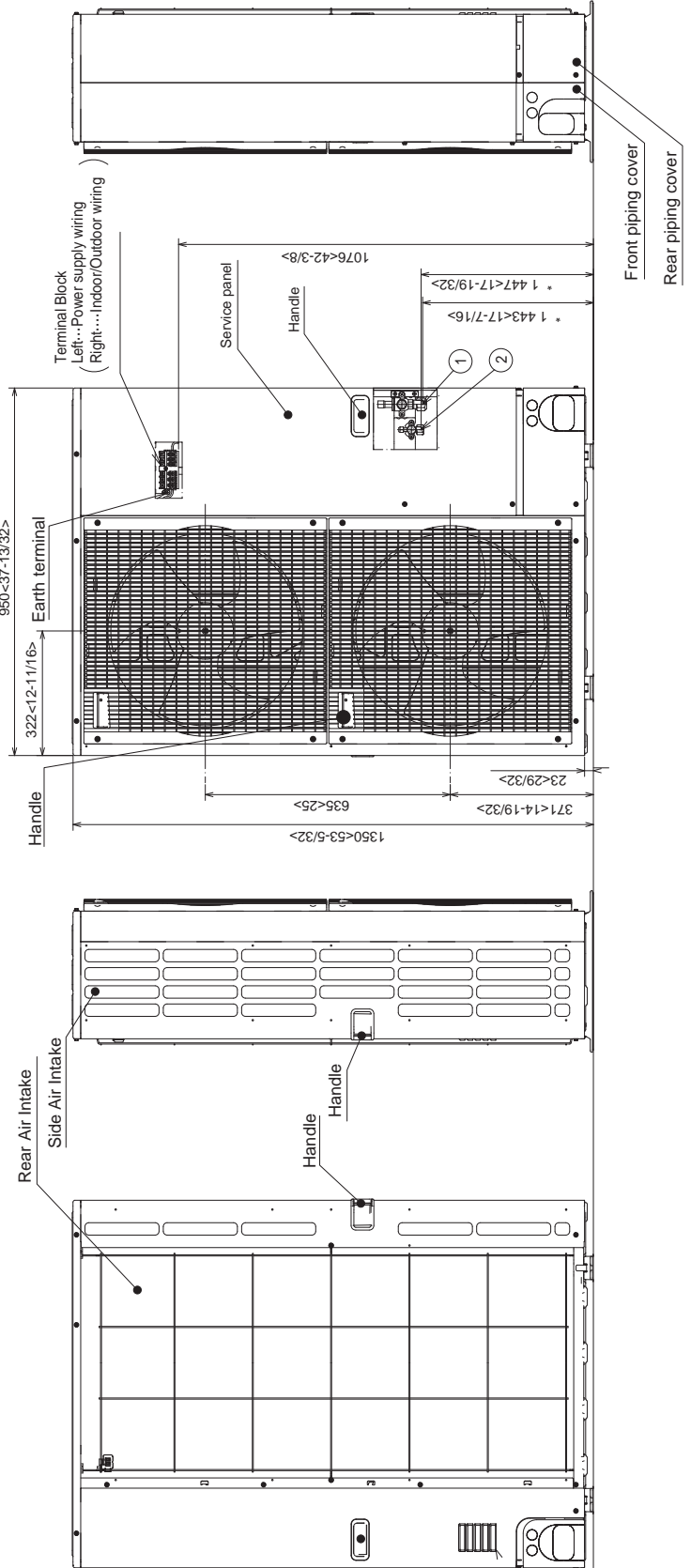
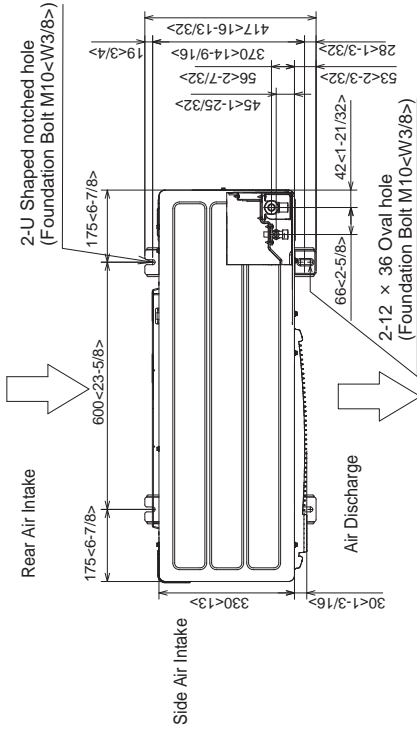
Sleeve (purchased locally)	Through hole
φ2-15/16 (φ75)	φ2-15/16-φ3-5/32 (φ75-φ80)

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DIMENSIONS: PUZ-HA30NHA5

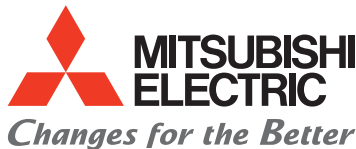
Unit: mm (in.)



Example of Notes

- ①.....Refrigerant GAS pipe connection (FLARE)φ15.88<-5/8>
- ②.....Refrigerant LIQUID pipe connection (FLARE)φ9.52<-3/8>
- *1Indication of STOP VALVE connection location.

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