MITSUBISHI ELECTRIC
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P-SERIES

SUBMITTAL DATA: PCA-A42KA7 & PUZ-HA42NKA

42,000 BTU/H CEILING-SUSPENDED HEAT PUMP SYSTEM

Job Name:	Engineer:
Purchaser:	Application:
Submitted To:	For: ☐ Reference ☐ Approval ☐ Construction
Submitted By:	Location:
System Designation:	Schedule No.:

Indoor Unit: PCA-A42KA7

Outdoor Unit: PUZ-HA42NKA

UNIT OPTION:

☐ Standard Model.....PUZ-HA42NKA

ACCESSORIES:

Indoor

- ☐ Remote Controller Kit with i-See Sensor (PAR-SA92MW-E)
- ☐ Drain Pump (PAC-SH84DM-E)
- ☐ External Heater Adaptor (PAC-SE56RA-E)

Controls

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

Outdoor Unit

- ☐ Rear Snow Guard (SG-1-RE)
- ☐ Side Snow Guard (SG-1-SD)
- ☐ Front Wind Deflector (x2 required) (CM-S-FR-NKMU)
- ☐ Front Wind Blocker (x2 per box) (CM-S-BLK-NKMU)

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	42,000 / 4,200
Heating at 47° F	Btu/h / W	48,000 / 4,150
Heating at 17° F	Btu/h / W	48,000 / 7,020

* 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	19,000 - 42,000
Heating at 47° F	Btu/h	21,000 - 54,000

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 Rating	
EER	10.0
SEER	14.5
HSPF IV / V	10.4 / 9.0
COP at 47° F	3.39
COP at 17° F	2.00

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz

Minimum Circuit Ampacity (MCA) *		Breaker Size	MOCP (Outdoor)
Indoor 2 AMP	Outdoor 37 AMP	40 AMP	44 AMP

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

Indoor Unit		
Fan Motor (ECM)	F.L.A.	0.97
Fan Motor Output	W	160
SHF / Moisture Removal		0.69 / 11.7 pt./h
Field Drainpipe Size O.D	in. (mm)	1-1/32 (26)

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-M1-M2-Hi			
Indoor (Cooling)	DRY	CFM	810-885-955-1,025
	WET		740-810-885-955
Outdoor	DRY		3,320

Sound Pressure Level			
Indoor (Low-M1-M2-Hi)		dB(A)	39-41-43-45
Outdoor	Cooling		49
	Heating		51

External Dimensions		
Indoor (H x W x D)	In.(mm)	9-1/16 x 63 x 26-3/4 (230 x 1,600 x 680)
Outdoor (H x W x D)		52-11/16 x 41-6/16 x 13 + 1-3/16 (1,338 x 1050 x 330 + 30)

Net Weight		
Indoor	Lbs.(kg)	86 (39)
Outdoor		287 (130)

External Finish	
Indoor	White Munsel No. 6.4Y 8.9/0.4
Outdoor	Munsell No. 3Y 7.8 / 1.1

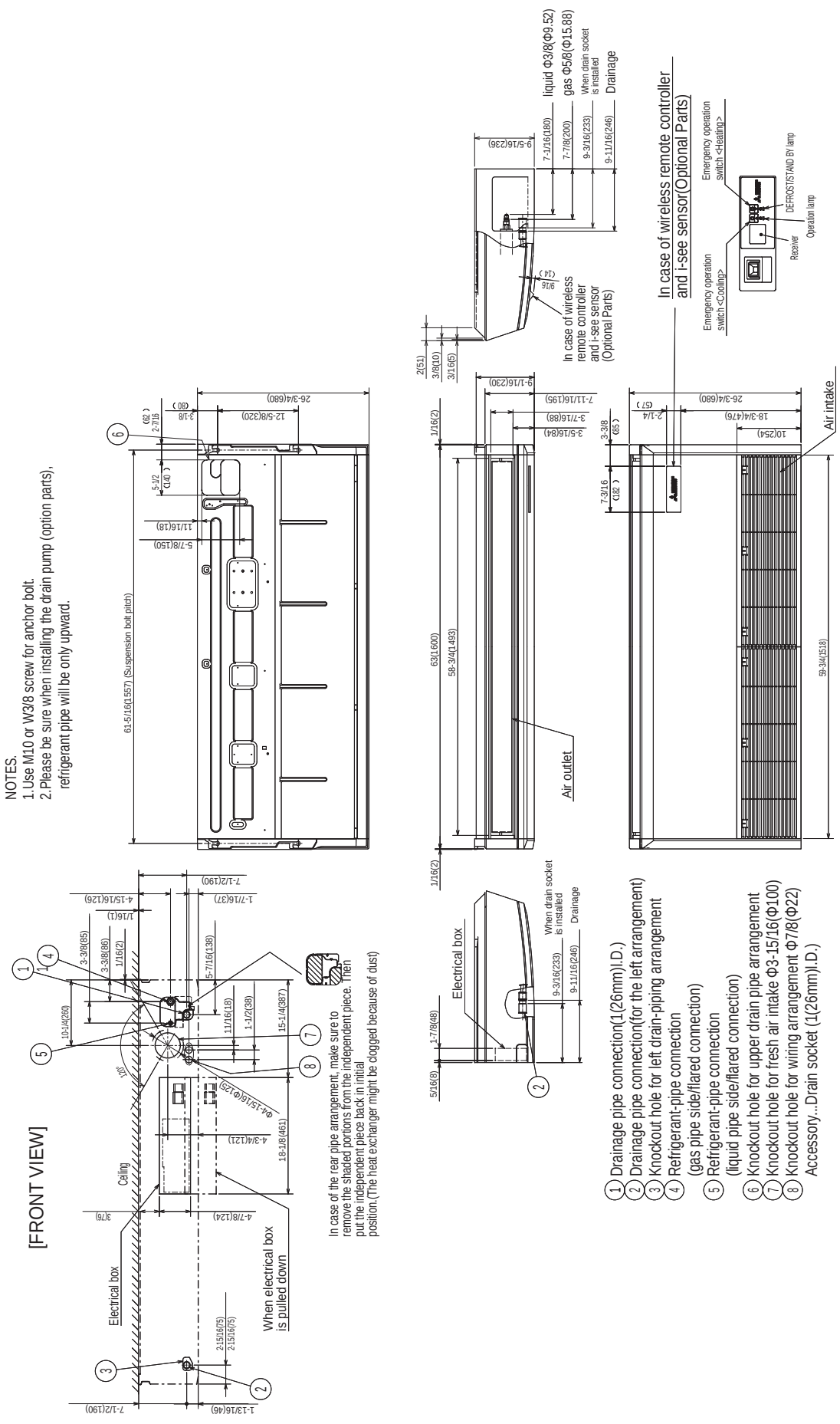
Refrigerant	R410A ; 13lbs., 4oz. (6.0 kg)

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 (50)
Maximum Vertical Separation	Ft. (m)	100 (30)

Specifications are subject to change without notice.

DIMENSIONS: PCA-A42KA7

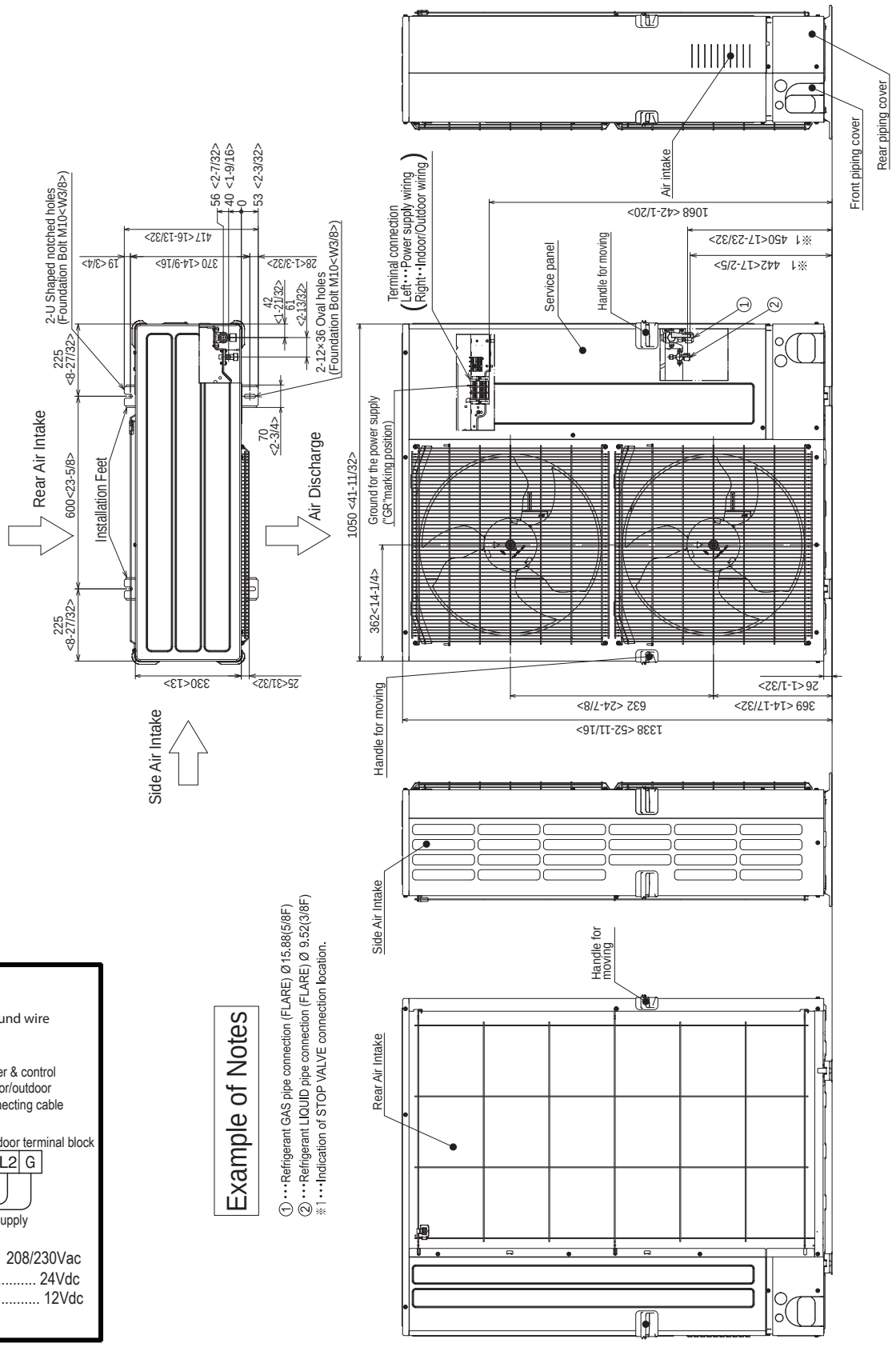
Unit: in. (mm)



Specifications are subject to change without notice.

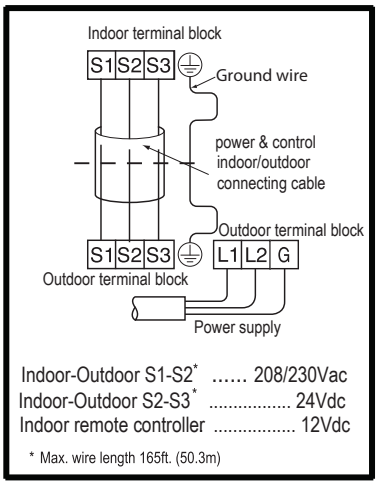
DIMENSIONS: PUZ-HA42NKA

Unit: mm (in.)



Example of Notes

①···Refrigerant GAS pipe connection (FLARE) Ø15.88(5/8F)
②···Refrigerant LIQUID pipe connection (FLARE) Ø 9.52(3/8F)
※1···Indication of STOP VALVE connection location.



Indoor-Outdoor S1-S2* 208/230Vac
Indoor-Outdoor S2-S3* 24Vdc
Indoor remote controller 12Vdc

* Max. wire length 165ft. (50.3m)

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Form # SB_PCA-A42KA7_PUZ-HA42NKA_201803