

**SUBMITTAL DATA: PCA-A42KA8 & PUY-A42NKA7**  
42,000 BTU/H CEILING-SUSPENDED AIR-CONDITIONING SYSTEM

Job Name:	Engineer:
Purchaser:	Application: <input type="checkbox"/> Std. Cooling <input type="checkbox"/> Ultra Low Ambient Cooling
Submitted To:	For: <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction
Submitted By:	Location:
System Designation:	Schedule No.:



**UNIT OPTION:**

Standard Model.....PUY-A42NKA7

**ACCESSORIES:**

- i-See Sensor (PAC-SH91MK-E)
- Remote Controller Kit with i-See Sensor (PAR-SA92MW-E)
- Drain Pump (PAC-SH84DM-E)

**Controls**

- Wireless Controller (MHK2)
- Advanced Wired Controller (PAR-41MAAU)
- Simple Wired Controller (PAC-YT53CRAU)
- Interface Module (RMF-CA200)
- M-NET Adapter (PAC-SJ95MA-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 / 4,110

\* Rating Conditions per AHRI Standard:  
Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB  
Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB

Capacity Range		
Cooling	Btu/h / W	16,000 - 42,000

Operating Range	
Cooling	-40F** (-40.0°C) to 115°F (46°C) DB

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

AHRI Efficiency Ratings	
EER2	10.0
SEER2	17.7

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA) *		Breaker Size	MOCP (Outdoor)
Indoor 2 AMP	Outdoor 25 AMP	30 AMP	31 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.	0.5+0.5
Fan Motor Power	W	74

Airflow Rate (Low-M1-M2-Hi)			
Indoor (Cooling)	DRY	CFM	810-885-955-1,025
	WET		740-810-885-955
Outdoor	DRY		3,880

Sound Pressure Level		
Indoor (Low-M1-M2-Hi)	dB(A)	39-41-43-45
Outdoor Cooling		52

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 41-5/16 x 13 + 1-3/16 (1,338 x 1050 x 330 + 30)

Net Weight	
Indoor	Lbs.(kg)
Outdoor	86 (39) 211 (96)

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

Refrigerant	R410A ; 10lbs., 6oz. (4.7kg)
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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)	225 (69)
Maximum Vertical Separation	Ft. (m)	100 (30)

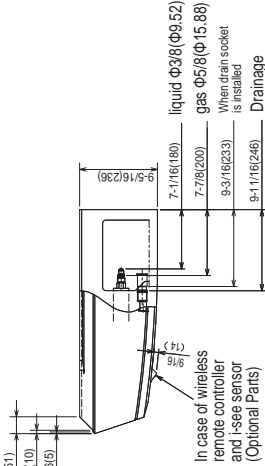
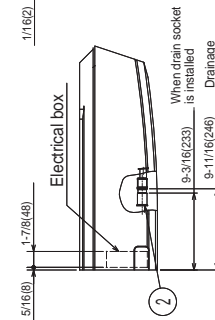
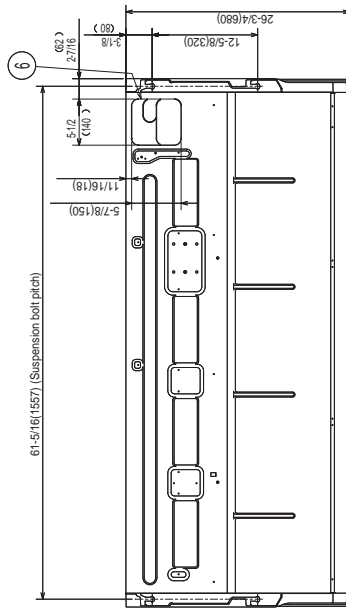
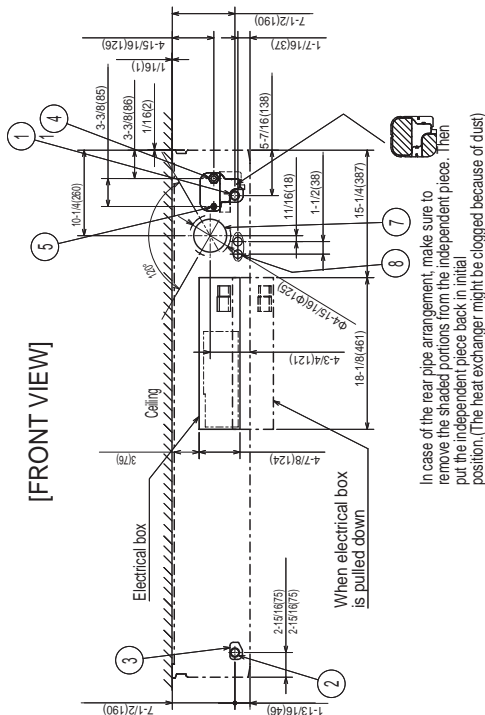
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# DIMENSIONS: PCA-A42KA8

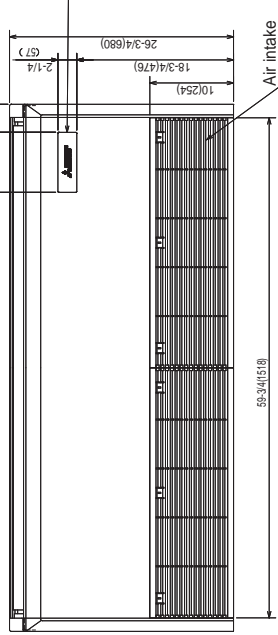
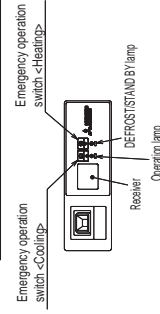
Unit: in. (mm)

- NOTES.**
1. Use M10 or W3/8 screw for anchor bolt.
  2. Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.



- ① Drainage pipe connection (126mm) I.D.)
  - ② Drainage pipe connection (for the left arrangement)
  - ③ Knockout hole for left drain-piping arrangement
  - ④ Refrigerant-pipe connection (gas pipe side/flared connection)
  - ⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
  - ⑥ Knockout hole for upper drain pipe arrangement
  - ⑦ Knockout hole for fresh air intake  $\Phi 3-15/16$  (95.2)
  - ⑧ Knockout hole for wiring arrangement  $\Phi 7/8$  (22.2)
- Accessory...Drain socket (126mm) I.D.)

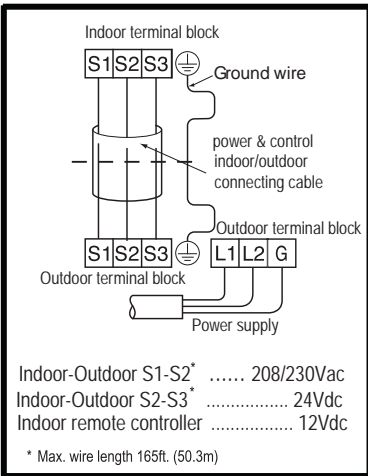
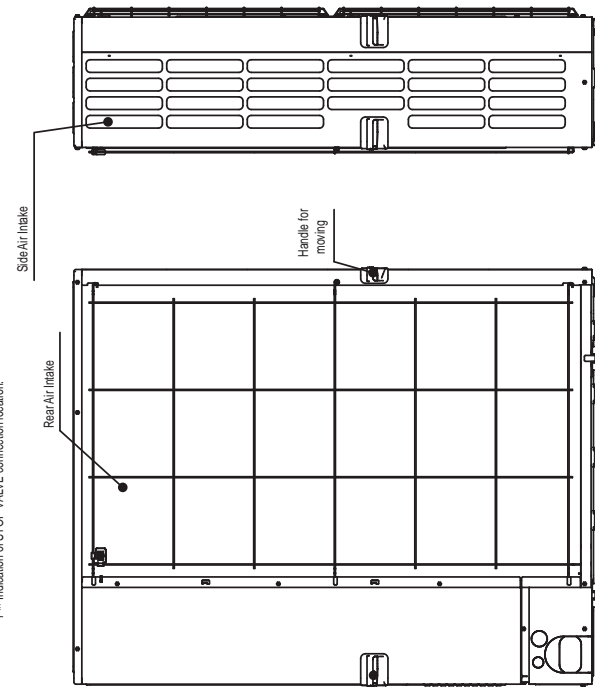
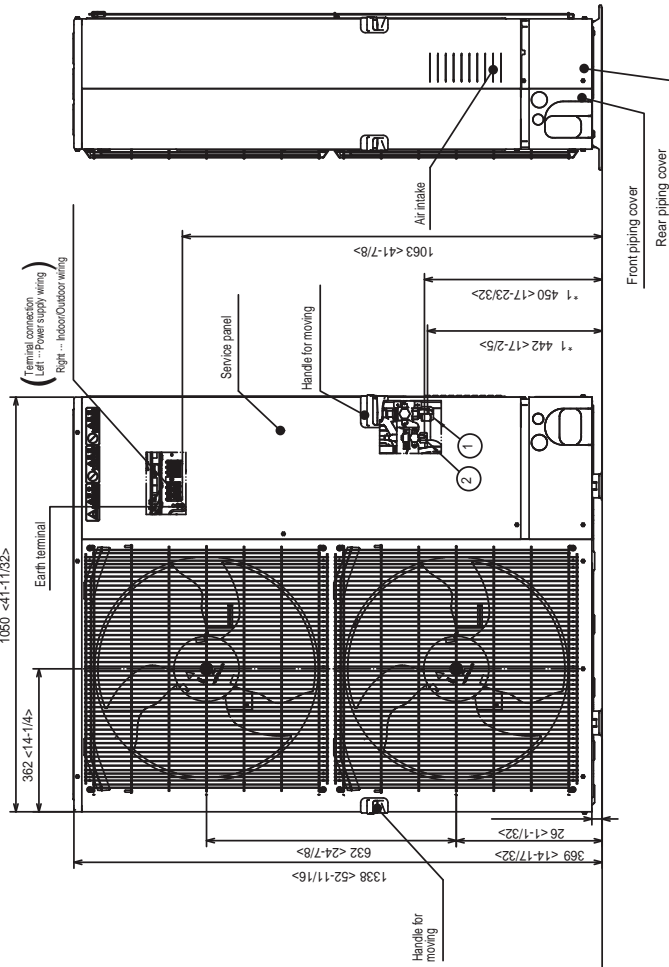
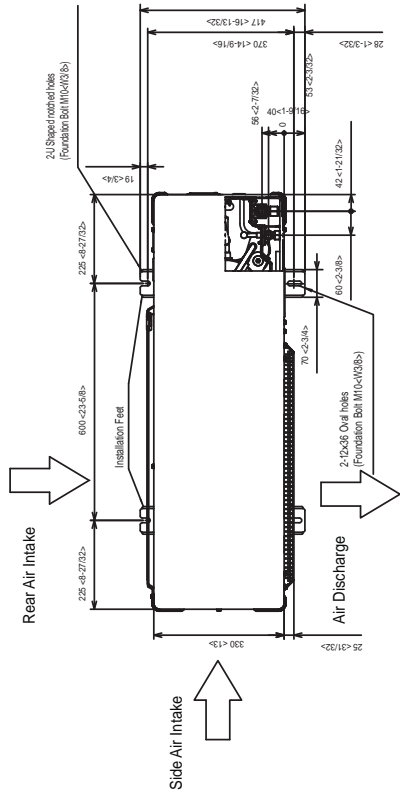
In case of wireless remote controller and I-see sensor (Optional Parts)



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# DIMENSIONS: PUY-A42NKA7

Unit: mm (in.)



### Example of Notes

- ① ... Refrigerant GAS pipe connection (FLARE)  $\phi$ 15.88(58F)
- ② ... Refrigerant LIQUID pipe connection (FLARE)  $\phi$ 9.52(38F)
- \* ... Indication of STOP VALVE connection location.

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