

SUBMITTAL DATA: PCA-A42KA7 & PUZ-A42NKA7

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-A42NKA7 (-BS)

UNIT OPTION:

Standard Model.....PUZ-A42NKA7
 Seacoast (BS) Model.....PUZ-A42NKA7-BS

ACCESSORIES:

i-See Sensor (PAC-SH91MK-E)
 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-32MAA / PAR-33MAA)
 Simple Wired Controller (PAC-YT53CRAU)
 Thermostat Interface (PAR-US444CN)
 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
Heating at 47° F	Btu/h / W	45,000 / 3,480
Heating at 17° F	Btu/h / W	31,800 / 3,160

* 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	16,000 - 42,000
Heating at 47° F	Btu/h	18,100 - 48,000

Operating Range		
Cooling	0°F** (-18°C) to 115°F (46°C) DB	
Heating	-4°F (-20°C) to 70°F (21°C) DB	

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

AHRI Efficiency Rating	
EER	10.2
SEER	17.6
HSPF IV / V	10.2 / 8.2
COP at 47° F	3.78
COP at 17° F	2.94

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
	Heating		53

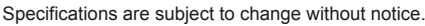
External Dimensions		
Indoor (H x W x D)	In.(mm)	9-1/16 x 63 x 26-3/4 (230 x 1,600 x 680)
Outdoor (H x W x D)		52-11/16 x 41-5/16 x 13 + 1-3/16 (1,338 x 1050 x 330 + 30)

Net Weight		
Indoor	Lbs.(kg)	86 (39)
Outdoor		214 (97)

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

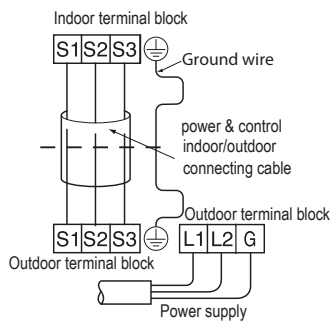
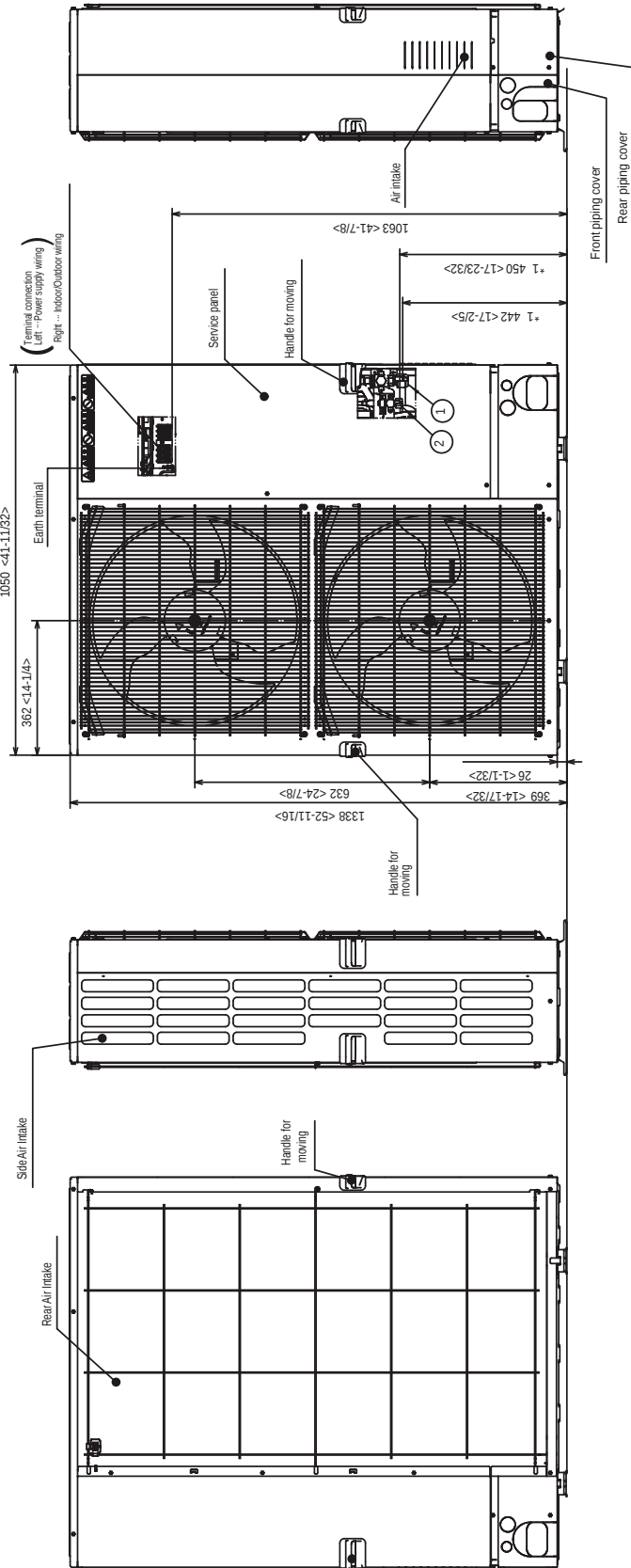
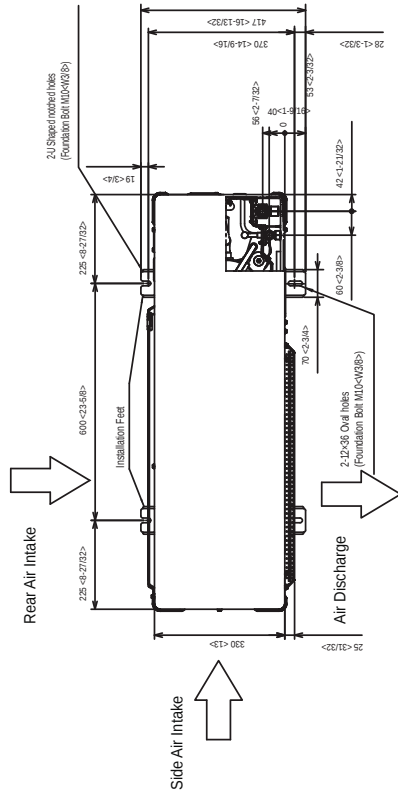
Refrigerant	R410A ; 10lbs. 6oz. (4.7kg)
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Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Maximum Total Refrigerant Pipe Length	Ft. (m)	165 (50)
Maximum Vertical Separation	Ft. (m)	100 (30)



DIMENSIONS: PUZ-A42NKA7

Unit: mm (in.)



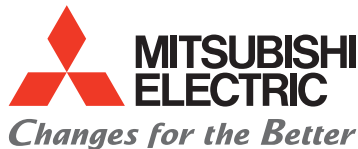
Indoor-Outdoor S1-S2* 208/230Vac
Indoor-Outdoor S2-S3* 24Vdc
Indoor remote controller 12Vdc

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

Example of Notes

- ① - Refrigerant GAS pipe connection (FLARE) ø15.8(5/8")
- ② - Refrigerant LIQUID pipe connection (FLARE) ø9.52(3/8")
- * 1 ... Indication of STOP VALVE connection location.

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