

Heating and Cooling

Submittal Data: PAA-A42(B)(C)A1-M & PUY-A42NKA7

42,000 BTU/H Multi Position A-Coil Air-Conditioning System

Job Name:	Location:		
Purchaser:	Submitted By:		
Submitted To:	Reference: Appr	oval:	Construction:
Engineer:	Date:	Application:	

PAA-A42BA1-M

PAA-A42CA1-M







Optional Controller

Images provided for reference purposes only

Outdoor Standard Features:	Description:			
Blue Fin Coating	Prolong conde	nser operating life		
Inverter Motor	Energy efficier	t operation with variable speed DC motor		
Fast Auto restart	Automatically restarts after power failure return			
Automated compressor cutout	Prevents inefficient operation & protects compressor			
Indoor Standard Features:	Description:			
Auto Restart Function	Auto-recovery after power failure			
Auto Restart Function	(must be activated on controller mode #1 set to 2)			
Description: (Optional Accessories)	Model No.			
Front Windscreen	CM-S-FR-NKM	U (x2 required)		
Front Windscreen Blocker	CM-S-BLK-NKN	//U (x2 per box)		
Rear Snow Guard	SG-1-RE			
Side Snow Guard	SG-1-SD			
Outdoor Temperature Operation Range:				
Cooling	°F (°C)	*2 -40 to 115 (-40 to 46)		
Cooling Operation Thermal Lock-out / Re-start Temps	°F (°C)	NA		

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)

NOTES: *1. Rating conditions (cooling)-Indoor: D.B. 80°F (26.7°C), W.B. 67°F (19.4°C) Outdoor: D.B. 95°F(35°C), W.B. 75°F (23.9°C)

*2. Cooling at 0 °F, wind baffle accessory required. Without wind baffle accessory, the minimum temperature will be 23°F (-5°C)

"Note:

- (1) To be installed by a trained and licensed refrigeration mechanic;
- (2) Suitable for installation with an ANSI certified gas furnace (Z21.47/CSA2.3);
- (3) Not suitable for installation with OIL or DRUM type furnaces;
- (4) Supply air temperature must not exceed 200°F (93.3°C);
- (5) Furnace output capacity shall not be greater than 300% of the rated PAA cooling capacity;
- (6) Configure furnace fan such at the airflow is greater than or equal to 350 CFM per ton and less than or equal to 400 CFM per ton of nominal PAA unit cooling capacity. In down flow orientation, the furnace fan should be configured to maintain an airflow face velocity below 350 ft/min to prevent water blow-off;

(7) For detailed requirements, review PAA Installation Manual at:

http://www.mitsubishitechinfo.ca/

Note:

- 1. Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s).
 Use of non MESCA supported components and accessories will affect warranty coverage. MESCA recommends (A) consideration of all applicable design and application
 parameters and requirements specific to any project.
- 2. Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes. MESCA assumes no responsibility for any consequences in such cases.

^{A)} CFM @ 350 per tons.

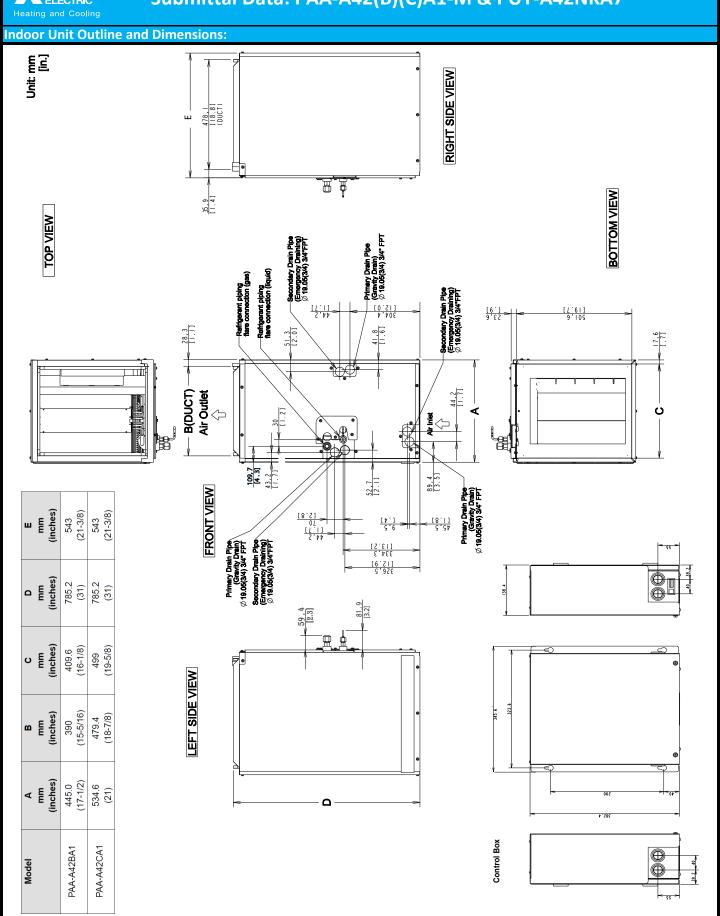


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	e:							
			Rated Capacity			Btu/h		000
			Capacity Range			Btu/h	19,800 - 42,000	
Cooling at 95°F				Rated Power Input		W	4,420	
				ower Input Range		W	1,300 - 4,420	
Moisture Ren						pints/h	8.0	
			Sensible Heat	Factor			0.	79
fficiency:								
EER / SEER2								/ 14.3
ER / EER2							9.5	/ 9.0
lectrical:								
Power Supply							208/230V, 1Ph, 60Hz	
	or - Outdoor, S1					V AC	AC 208/230V	
	or - Outdoor, S2					V DC	10-24VDC	
	Current Rating (kA		5
	d Fuse/Breaker		•			Α	30	
	ed Wire Size (Ind)			AWG	1	.4
	Specifications							
Models	Airflow rate*	W: In.	D: In.	H: In.	W: mm	D: mm	H: mm	kg (lbs)
PAA-A42BA1-M	1225	17.5	21.3	31.0	445	543	785	31 (67)
PAA-A42CA1-M		21.0	21.3	31.0	534	543	785	37 (82)
	* Target airflow rat	e for Y or Y1 signa				cluding connection		
		in. WG	0.3 (According to AHRI - 210/240, where this is the maximum allowable internal					
Internal sta	atic pressure	111. VV G	static pressure for "Coil Only" systems)					
internal ste	atic pressure	[Pa]	75 (According to AHRI - 210/240, where this is the maximum allowable in					le internal
		[[[[stati	c pressure for '	"Coil Only" syst		
ЛСА				A			0.2	
Drain Pipe Size				In. (mm)		3/4 (19.05)		
				111. (nm)			
xternal Finisl	h Color			111. (mm)	G	3/4 (19.05) Salvanized Stee	el
xternal Finisl Outdoor Uni		ns:		111. (nm)	G	alvanized Stee	el
xternal Finisl Outdoor Uni MCA	h Color	ns:			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C	Salvanized Stee 25	el
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xternal Finisl Outdoor Unidea MCA MOCP an Motor Ouirflow Rate ound Pressu	h Color it Specification utput (Cooling/Heatin re Level, Cooling	g) g1		k' CF dB	A A N M (A)		25 31 0.074 + 0.074 3,880 / NA 52	el
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xternal Finisl Actoor Uni ACA AOCP An Motor Ou irflow Rate ound Pressul ound Pressul efrigerant Co	h Color it Specification utput (Cooling/Heatin re Level, Cooling re Level, Heatin ontrol Dil Type / Charge	g) g1 g2		k' K' CF dB	A A N M (A)	Electro	25 31 0.074 + 0.074 3,880 / NA 52 NA onic Expansion FV50S (45)	ı Valve
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Submittal Data: PAA-A42(B)(C)A1-M & PUY-A42NKA7





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Outdoor Unit Outline and Dimensions: Rear piping cover Front piping cover 2-U Shaped notched holes Foundation Bott M10<W3/8>) landle for moving <5/Z-/L> Z77 L. Earth terminal 2-12X36 Oval holes 7 (Foundation Bolt M10<W3/8>) 362<14-1/4> Air Discharge Rear Air Intake <9/L-7Z>ZE9 Side Air Intake Handle for moving Unit: mm<in> \square Handle for moving Side Air Intake --Refrigerant GAS pipe connection (FLARE)#5.88 (5/8F) --Refrigerant LIQUID pipe connection (FLARE)# 9.52 (3/8F) --Indication of STOP VALVE connection location. Rear Air Intake power & control indoor/outdoor connecting cable **Ground wire** Indoor terminal block Power supply S1S2S3 Outdoor terminal block · · · ·







