

Heating and Cooling

Submittal Data: PAA-A24(A)(B)A1-M & PUY-A24NHA7

24,000 BTU/H Multi Position A-Coil Air-Conditioning System

Job Name:	Location:					
Purchaser:	Submitted By:	Submitted By:				
Submitted To:	Reference:	Approval:	Construction:			
Engineer:	Date:	Application	on:			

PAA-A24AA1-M

PAA-A24BA1-M







Optional Controller

Images provided for reference purposes only

Outdoor Standard Features:	Description:				
Blue Fin Coating	Prolong conde	nser operating life			
Inverter Motor	Energy efficien	t operation with variable speed DC motor			
Fast Auto restart	Automatically i	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 Restait Function	(must be activated on controller mode #1 set to 2)				
Description: (Optional Accessories)	Model No.				
Front Windscreen	PFR-24-30				
Rear Snow Guard	PRE-24-30				
Side Snow Guard	PSD-24-30				
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)

- (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.

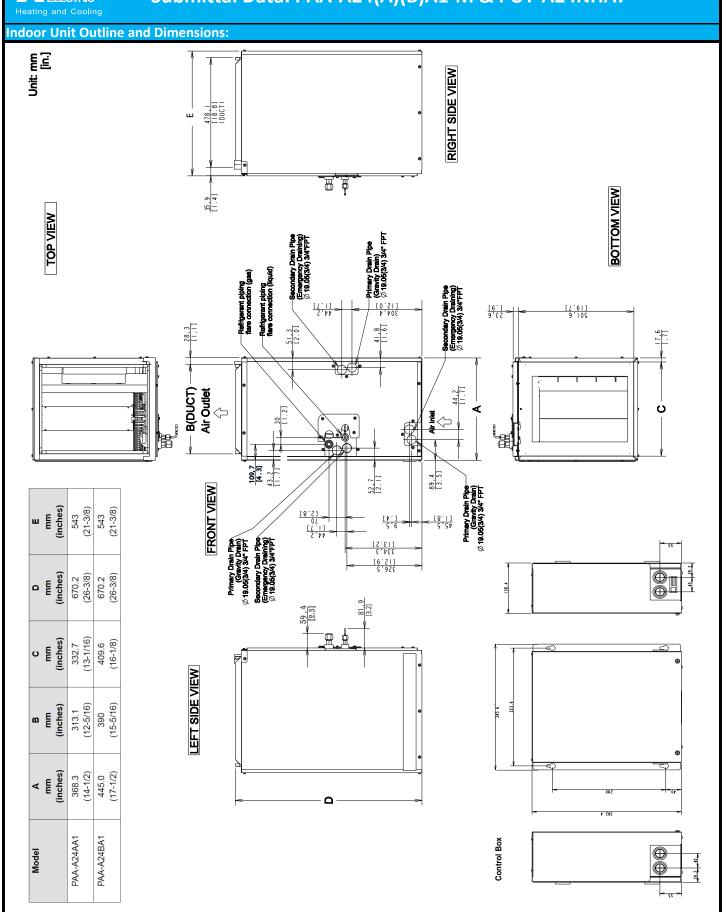


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	e:		Pated Canacity	,		D+1. /b	2.4	000
Cooling at 95°F*1			Rated Capacity			Btu/h Btu/h	24,000 10,600 - 24,000	
			Capacity Range Rated Power Input			W W	1,920	
		1	Power Input Range			W	630 - 1,920	
			Moisture Removal			pints/h	5.0	
		Sensible Heat Factor			pilits/11	0.77		
fficiency:			SCHSIBIC FICAL	lactor			0.	, ,
EER / SEER2							16.5	/ 15.0
ER / EER2						12.5 / 11.4		
lectrical:							12.5	11.7
ower Supply							208/2307	1Ph 60Hz
Voltage: Indoor - Outdoor, S1-S2						V AC	208/230V, 1Ph, 60Hz AC 208/230V	
						V DC		
Voltage: Indoor - Outdoor, S2-S3 Short-circuit Current Rating (SCCR)						kA	10-24VDC 5	
Recommended Fuse/Breaker Size (Outdoor)						A	25	
Recommended Wire Size (Indoor - Outdoor)						AWG		.4
	Specifications:					7.110	_	
Models	Airflow rate*	W: In.	D: In.	H: In.	W: mm	D: mm	H: mm	kg (lbs)
PAA-A24AA1-M		14.5	21.3	26.4	368	543	670	22 (48)
PAA-A24BA1-M	700	17.5	21.3	26.4	445	543	670	26 (58)
	* Target airflow rat					cluding connection pipes.		
			0.3 (Accord	ding to AHRI - 2		this is the max		le internal
		in. WG	static pressure for "Coil Only" systems)					
internal sta	atic pressure	<i>r</i> - 1	75 (According to AHRI - 210/240, where this is the maximum allowable inte					le internal
		[Pa]		stati	pressure for '	'Coil Only" syst	ems)	
1CA	•			P	•	•	0.2	
Drain Pipe Size				In. (mm)		3/4 (19.05)		
External Finish Color						Galvanized Steel		
utdoor Uni	it Specificatior	ns:						
1CA				Α		19		
1ОСР				A		26		
an Motor Ou	ıtput			kW			0.086	
Airflow Rate (Cooling/Heating)				CFM		1,940 / NA		
Sound Pressure Level, Cooling1			dB(A)		47		<u></u>	
					•			
ound Pressu	re Level, Heatin			dB ₁	•		NA	
ound Pressu efrigerant Co	re Level, Heating ontrol	g2			•	Electro	NA onic Expansion	Valve
ound Pressul efrigerant Co ompressor C	re Level, Heating ontrol Dil Type / Charge	g2			(A)		NA onic Expansion FV50S (23)	
ound Pressul efrigerant Co ompressor C xternal Finisl	re Level, Heating ontrol Dil Type / Charge	g2		dBi	A) z.		NA onic Expansion FV50S (23) Munsell 3Y 7.	
ound Pressu efrigerant Co	re Level, Heating ontrol Dil Type / Charge	g2		dB o. kg (A) z.	lvory	NA onic Expansion FV50S (23) Munsell 3Y 7.3 68 (151)	8/1.1
ound Pressul efrigerant Co ompressor C xternal Finish Init Weight	re Level, Heating ontrol Oil Type / Charge h Color	g2		dB o kg (W: In.	z. lbs) (mm)	lvory	NA pnic Expansion FV50S (23) Munsell 3Y 7.3 68 (151) 37-13/32 (950)	8/1.1
ound Pressul efrigerant Co ompressor C xternal Finish nit Weight	re Level, Heating ontrol Oil Type / Charge h Color	g2		dB o kg (W: In. D: In.	z. lbs) (mm) (mm)	lvory	NA pnic Expansion FV50S (23) Munsell 3Y 7. 68 (151) 37-13/32 (950) 63/64 (300 +	8/1.1
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efrigerant Co ompressor Co kternal Finish nit Weight nit Dimension as Pipe Size quid Pipe Size quid Pipe Size laximum Pipe escription: /ired wall mod/ireless wall	re Level, Heating ontrol Oil Type / Charge on Color Ons O.D. (Flared) Dight Difference on Length (Optional Control)	ntrols) control te control		dB o kg (W: In. D: In. H: In. In. (I	(mm) (mm) (mm) (mm) (mm) (mm)	lvory 3 13 +	NA Dnic Expansion FV50S (23) Munsell 3Y 7. 68 (151) 37-13/32 (950) 63/64 (300 + 37-1/8 (943) 5/8 (15.88) 3/8 (9.52) 100 (30)	8/1.1



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Outdoor Unit Outline and Dimensions: Unit: mm<in> Rear piping cove Front piping cover Terminal Connections Left···Power supply wiring Reight··Indoor/Outdoor wiring Handle for moving 2-U Shaped notched holes (Foundfation Bolt M10<W3/8>) <ZE/11-9Z>699 <8/S-Zl>Z77 l* 2-12x36 oval holes Foundation Bolt M10<W3/8>) Rear Air Intake Earth termina 950 < 37 - 13/32 > Installation Fee <ZE/6Z>EZ Handle for moving (1) - Refrigerant GAS pipe connection (FLARE)#5.88 (5/8F) (2) - Refrigerant LIOUID pipe connection (FLARE)#9 952 (3/8F) *1 - - Indication of STOP VALVE connection location. Handle for moving Jutdoor terminal block Rear Air Inlake power & control indoor/outdoor connecting cable S1S2S3 GGround wire 2 Indoor terminal block Power supply S18283 Outdoor terminal block Щ Air Intake, Handle for moving







