

Heating and Cooling

Submittal Data: PAA-A36(B)(C)A1-M & PUY-A36NKA7

36,000 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-A36BA1-M

PAA-A36CA1-M







Optional Controller

Images provided for reference purposes only

Outdoor Standard Features:	Description:			
Blue Fin Coating	Prolong condenser operating life			
Inverter Motor	Energy efficient 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 Restait 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-NKMU (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.

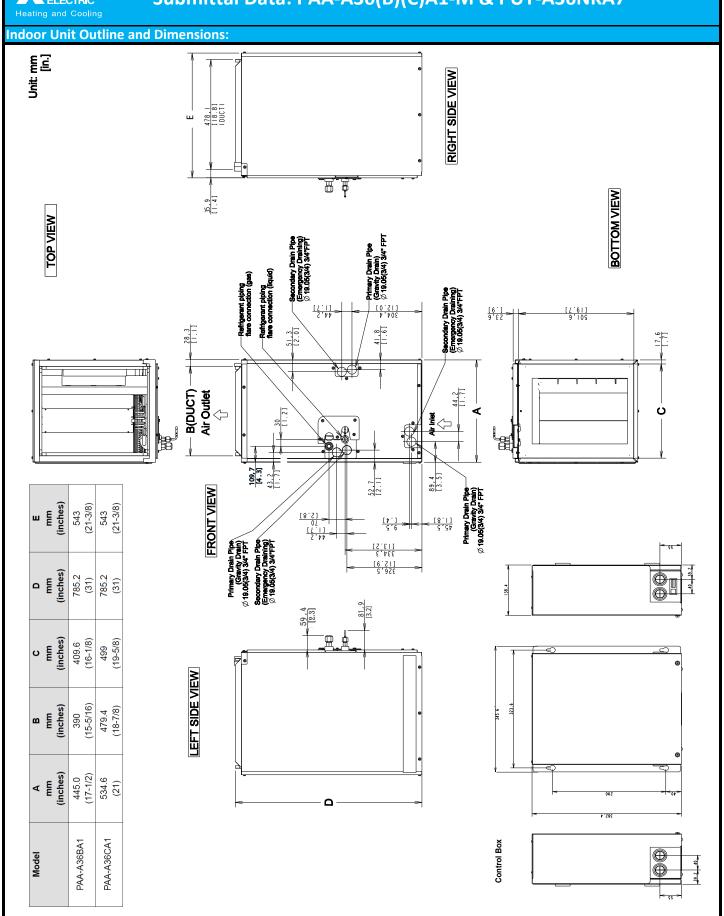


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Performance	e:							
			Rated Capacity			Btu/h	h 36,000	
			Capacity Range			Btu/h	17,800 - 36,000	
Cooling at 95°F 1 Power				Rated Power Input		W	3,600	
				Power Input Range		W	1,150 - 3,600	
Moisture Rem Sensible Heat						pints/h	7.5	
				Factor			0.77	
fficiency:								
EER / SEER2								/ 15.0
ER / EER2							10.0	/ 9.50
lectrical:								
ower Supply							208/230V,	, 1Ph <i>,</i> 60Hz
Voltage: Indoor - Outdoor, S1-S2					V AC	AC 208/230V		
Voltage: Indoor - Outdoor, S2-S3					V DC	10-24VDC		
	Current Rating (S					kA		5
	d Fuse/Breaker					А	3	30
	d Wire Size (Ind					AWG	1	.4
ndoor Unit	Specifications	:						
Models	Airflow rate*	W: In.	D: In.	H: In.	W: mm	D: mm	H: mm	kg (lbs)
PAA-A36BA1-M	1050	17.5	21.3	31.0	445	543	785	31 (67)
PAA-A36CA1-M	1050	21.0	21.3	31.0	534	543	785	37(82)
	* Target airflow rat	e for Y or Y1 signa				including connection pipes.		
		in WG	0.3 (According to AHRI - 210/240, where this is the maximum allowable internal					
Internal static pressure in. WG			static pressure for "Coil Only" systems)					
internar sta	itic pressure	[00]	75 (Accord	ding to AHRI - 210/240, where this is the maximum allowable internal				
		[Pa]	static pressure for "Coil Only" systems)					
ЛCA				A	١		0.2	
Drain Pipe Size					In. (mm) 3/4 (19.05)			
rain ripe size	e			ln. (ı	mm)		3/4 (19.05)	
xternal Finish	n Color			ln. (ı	mm)	G	3/4 (19.05) Galvanized Stee	el
xternal Finish		ns:		ln. (ı	mm)	G		el
xternal Finish Outdoor Uni	n Color	ns:		In. (I		C		el
xternal Finish Outdoor Uni MCA	n Color	ıs:			\ \	G	Galvanized Stee	el
xternal Finish Outdoor Uni MCA MOCP an Motor Ou	n Color it Specification			/ / k\	A A		25 31 0.074 + 0.074	el
xternal Finish Outdoor Uni MCA MOCP an Motor Ou Airflow Rate (n Color it Specification itput (Cooling/Heatin	g)		/ / k\ CF	A A W		25 31 0.074 + 0.074 3,880 / NA	el
xternal Finish Outdoor Uni MCA MOCP an Motor Ou irflow Rate (ound Pressul	n Color it Specification itput (Cooling/Heatin re Level, Cooling	g) g1		A A k\ CF dB	A A N M (A)		25 31 0.074 + 0.074	el
xternal Finish Outdoor Uni ACA AOCP an Motor Ou sirflow Rate (ound Pressul ound Pressul	n Color it Specification itput (Cooling/Heatin re Level, Cooling re Level, Heatin	g) g1		/ / k\ CF	A A N M (A)		25 31 0.074 + 0.074 3,880 / NA 52 NA	
xternal Finish Outdoor Uni ACA AOCP an Motor Ou sirflow Rate (ound Pressur ound Pressur efrigerant Co	n Color it Specification itput (Cooling/Heatin re Level, Cooling re Level, Heatin ontrol	g) g1 g2		A A k\ CF dB	A A N M (A)		25 31 0.074 + 0.074 3,880 / NA 52 NA onic Expansion	
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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 · · · ·







