

Submittal Data: PAA-A30(A)(B)A1-M & PUZ-A30NHA7

30,000 BTU/H Multi Position A-Coil Heat Pump System

lob Name:	Location:
Purchaser:	Submitted By:
Submitted To:	Reference: Approval: Construction:
Engineer:	Date: Application:
РАА-АЗОАА1-М РАА-АЗОВА1-М	Image: Second
	Images provided for reference purposes only
Outdoor Standard Features:	Description:
Blue Fin Coating	Prolong condenser operating life
nverter Motor	Energy efficient operation with variable speed DC motor
Auto mode	Automatically switches between heating & cooling modes
ast Auto restart	Automatically restarts after power failure return
Automated compressor cutout	Prevents inefficient operation & protects compressor
indoor Stondord Footunes	Descriptions
ndoor Standard Features:	Description: Allows the customer to choose the outdoor ambient temperature
Economic Balance Point	to switch from heat pump to furnace
Capacity Balance Point	Allows the customer to determine the length of time (24 to 29 minutes) the heat pump will attempt to heat the space before switching to furnace (as an auxiliary heat source)
Emergency Mode	The system will operate in furnace mode when in error
Auto Restart Function	Auto-recovery after power failure (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
apacity. In down flow orientation, the furnace fan should 7) For detailed requirements, review PAA Installation Mar Note: Mitsubishi Electric Sales Canada Inc. (MESCA) supports t Jse of non - MESCA supported components and accessorie parameters and requirements specific to any project. 2. Should any person change this document in any manner	e (Z21.47/CSA2.3); aces; of the rated PAA cooling capacity; or equal to 350 CFM per ton and less than or equal to 400 CFM per ton of nominal PAA unit cooling pe configured to maintain an airflow face velocity below 350 ft/min to prevent water blow-off;
consequences of such changes. MESCA assumes no respon	
Alterbich: Floatelo og	Page 1 of 5
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Performance: Cooling at 95°F ^{*1}					
Cooling at 95°F ^{*1}					
Cooling at 95°F ^{*1}	Rated Capacity	Btu/h	30,000		
Cooling at 95°F ^{*1}	Capacity Range	Btu/h	9,600 - 30,000		
Cooling at 95°F	Rated Power Input	Ŵ	3,000		
	Power Input Range	W	650 - 3,000		
	Moisture Removal	pints/h	6.8		
	Sensible Heat Factor		0.75		
	Rated Capacity	Btu/h	32,000		
	Capacity Range	Btu/h	13,100 - 35,200		
Heating at 47°F ^{*1}	Rated Power Input	W	2,640		
	Power Input Range	W	900 - 2,640		
	Maximum Capacity	Btu/h	20,800		
	Rated Capacity	Btu/h	20,800		
	Capacity Range	Btu/h	8,100 - 20,800		
Heating at 17°F ^{*2}	Maximum Power Input	W	2,370		
	Rated Power Input	W	2,370		
	Power Input Range	W	900 - 2,370		
*0	Maximum Capacity	Btu/h	18,700		
Heating at 5°F ^{*3}	Maximum Power Input	W	2,000		
	Maximum Capacity	Btu/h			
Heating at -5°F			15,600		
	Maximum Power Input	W	1,800		
Efficiency:			10.0 / 15.0		
SEER / SEER2			16.0 / 15.2		
EER / EER2			10.0 / 9.50		
HSPF / HSPF2 (IV) / (V)			10.0 / 8.80 / 6.9		
COP at 47°F ^{*1}	Rated Capacity Maximum Capacity	3.55			
COP at 17°F ^{*2}	2.57				
COP at 5°F ^{*3} /-4°F	Maximum Capacity		2.74 / 2.54		
Electrical:			200/220V 10h COUL		
Power Supply			208/230V, 1Ph, 60Hz		
Voltage: Indoor - Outdoor, S1-S2 Voltage: Indoor - Outdoor, S2-S3		V AC V DC	AC 208/230V		
-		kA	10-24VDC 5		
short circuit Curront Pating (SCCP)	door)	A	25		
Recommended Fuse/Breaker Size (Outo					
Recommended Fuse/Breaker Size (Outo Recommended Wire Size (Indoor - Outo	door)	AWG	14		
Recommended Fuse/Breaker Size (Outo Recommended Wire Size (Indoor - Outo Outdoor Temperature Operation R	door) ange:	AWG	14		
Recommended Fuse/Breaker Size (Outo Recommended Wire Size (Indoor - Outo Outdoor Temperature Operation Re Cooling	door) ange: °F (°C)	AWG ^{*4} 0 to 115	14 5 (-18 to 46)		
Short-circuit Current Rating (SCCR) Recommended Fuse/Breaker Size (Outo Recommended Wire Size (Indoor - Outo Outdoor Temperature Operation R Cooling Heating	door) ange: °F (°C) °F (°C)	AWG ^{*4} 0 to 115	14 6 (-18 to 46)), W.B4 to 59 (-20 to 15)		
Recommended Fuse/Breaker Size (Outo Recommended Wire Size (Indoor - Outo Outdoor Temperature Operation Re Cooling	door) ange: °F (°C) °F (°C)	AWG ^{*4} 0 to 115	14 5 (-18 to 46)		

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	pecifications:			11.1		D:	11.	1. /11		
Models	Airflow rate*	W: In.	D: In.	H: In.	W: mm	D: mm	H: mm	kg (lbs		
PAA-A30AA1-M	875	14.5	21.3	26.4	368	543	670	22 (48		
PAA-A30BA1-M	875	17.5	21.3	26.4	445	543	670	26 (58		
	075	17.5	21.5	20.4		545	0/0	20 (30		
ł	Target airflow rate	for Y or Y1 signal			Not inc	ot including connection pipes.				
		in. WG	0.3 (Accord	0.3 (According to AHRI - 210/240, where this is the maximum allowable internal						
Internal static pressure		static pressure for "Coil Only" systems)								
	ine pressure	[Pa]	75 (According to AHRI - 210/240, where this is the maximum allowable internal							
		[[0]		1	c pressure for "	Coil Only" syst				
MCA					A 0.2					
Drain Pipe Size				In. (mm)			3/4 (19.05)	_		
xternal Finish						G	alvanized Stee	el		
	Specifications									
MCA				A		19				
ИОСР				A			26			
Fan Motor Output			kW		0.086					
Airflow Rate (Cooling/Heating)					1,940 / 1,940					
Sound Pressure Level, Cooling1			dB(A)		47					
Sound Pressure Level, Heating2			dE	3(A)	48					
Refrigerant Control			1	Electronic Expansion Va			Valve			
Compressor Oil Type / Charge			OZ.			FV50S (23)				
External Finish	Color						Munsell 3Y 7.	8/1.1		
Jnit Weight	Weight			kg (lbs)		69 (153)				
	Init Dimensions			W: In. (mm)		37-13/32 (950)				
Jnit Dimension				D: In. (mm)						
					. (mm)	13 + 63/64 (300 + 2) 37-1/8 (943)				
Gas Pipe Size O					(mm)		5/8 (15.88)			
iquid Pipe Size					(mm)	3/8 (9.52)				
Maximum Heig					<u>(m)</u>	100 (30)				
Maximum Piping Length			Ft.	(m)	100 (30)					
Description: (Optional Controls)					Model No.					
Nired wall mounted remote control						PAR-41MAAU				
Wireless wall mounted remote control						MHK2				
North Americar	n T-Stat Interface	9				RMF-CA100				

Indoor Unit Dimensions:

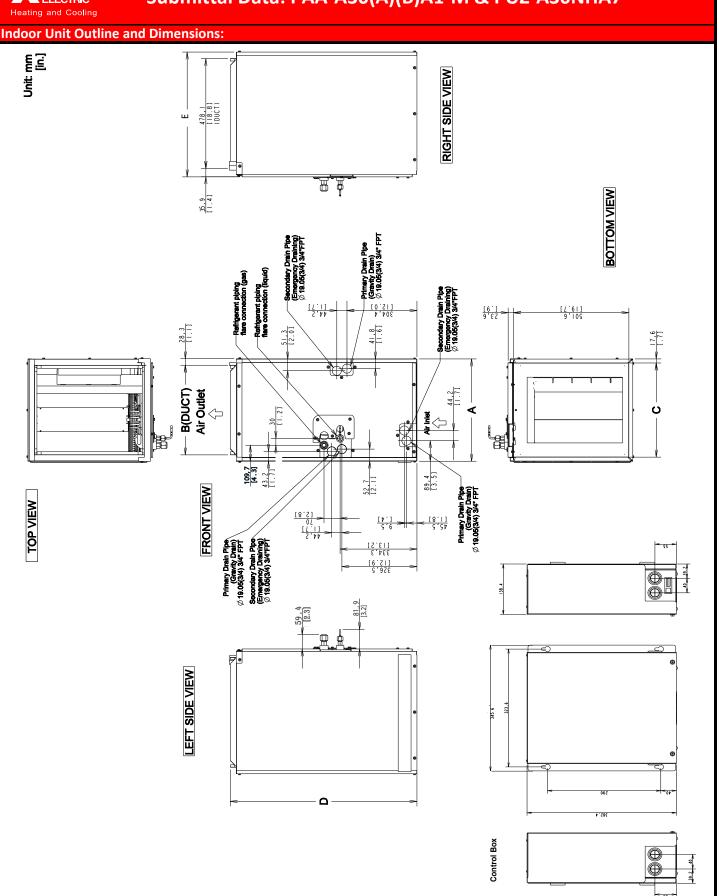
Model	A	B	C	D	E
	mm	mm	mm	mm	mm
	(inches)	(inches)	(inches)	(inches)	(inches)
PAA-A30AA1	368.3	313.1	332.7	670.2	543
	(14-1/2)	(12-5/16)	(13-1/16)	(26-3/8)	(21-3/8)
PAA-A30BA1	445.0	390	409.6	670.2	543
	(17-1/2)	(15-5/16)	(16-1/8)	(26-3/8)	(21-3/8)

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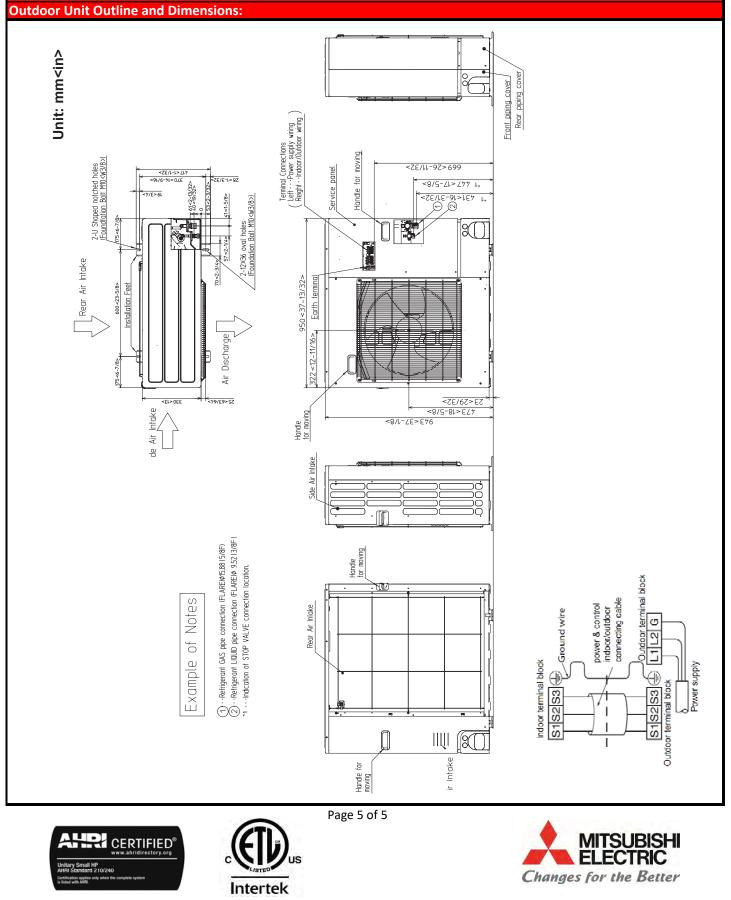
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Heating and Cooling

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