

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 |
| www.MitsubishiElectric.ca | Specifications are subject to change without notice. F |

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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:

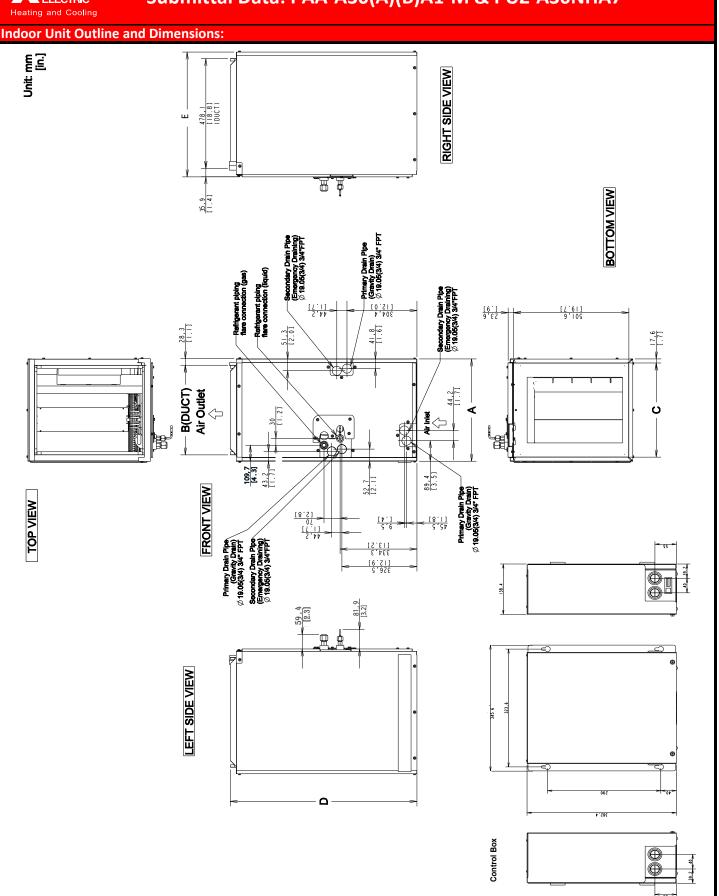
| Model | A | B | C | D | E |
|------------|----------|-----------|-----------|----------|----------|
| | mm | mm | mm | mm | mm |
| | (inches) | (inches) | (inches) | (inches) | (inches) |
| PAA-A30AA1 | 368.3 | 313.1 | 332.7 | 670.2 | 543 |
| | (14-1/2) | (12-5/16) | (13-1/16) | (26-3/8) | (21-3/8) |
| 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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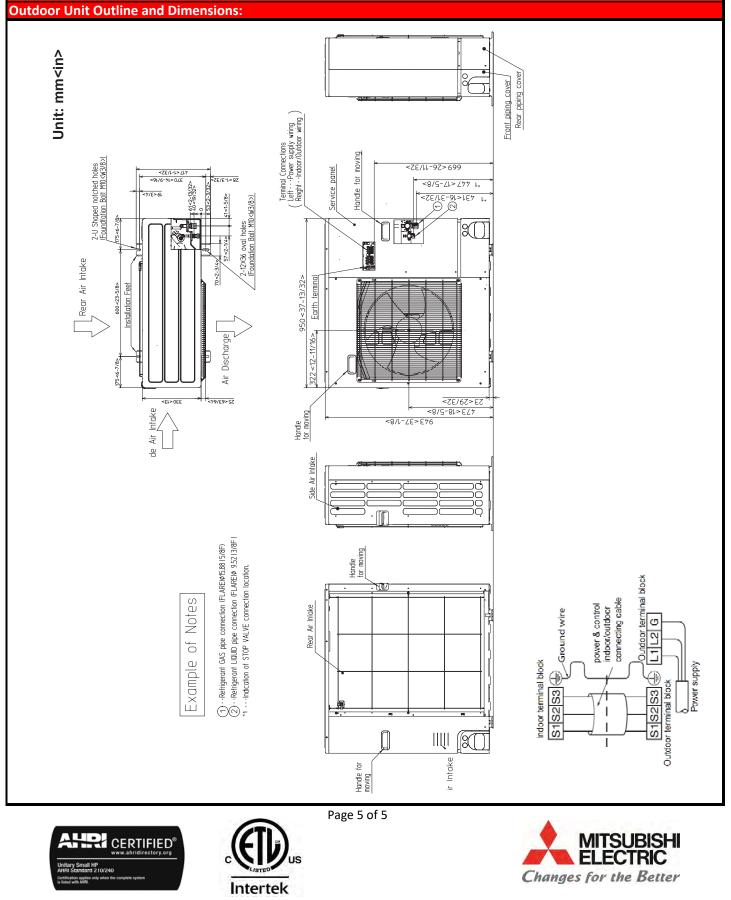
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Heating and Cooling

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