## SUBMITTAL  AOUA120RLBV1

### 10 Ton Heat Pump Outdoor Unit - 208/230 VAC, 3-Phase, 60Hz

1X (AOUA120RLBV1)

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- Inverter driven compressor
- New style high power DC fan motor.
- Blue fin heat-exchanger (Corrosion resistance)
- 10 year Extended Warranty on parts and compressor. See Warranty Statement.
- Optional: Internet, BACnet, LonWorks, or Modbus communication.

### CAPACITY

| Nominal Cooling Capacity - BTU/h [kW] | 120,000 [35.2] |
| Nominal Heating Capacity - BTU/h [kW] | 135,000 [39.6] |
| Nominal Tonage - Ton(s) | 10 |
| Maximum Connectable Indoor Units | 18 |
| Connectable Capacity | 50% to 150% |
| Cooling Power Input - kW | 9.86 |
| Heating Power Input - kW | 10.19 |
| Unit Group | 1X (AOUA120RLBV1) |

### OPERATING TEMPERATURES

- Operating Temp. Cooling (DB) - °F [°C]  5 to 115 [-15 to 46]
- Operating Temp. Heating (DB) - °F [°C]  -4 to 70 [-20 to 21]

### EFFICIENCY

- EER Cooling (Ducted/Non Ducted) | 11.3 / 11.3 |
- IEER Cooling (Ducted/Non Ducted) | 20.10 / 23.80 |
- COP / High Heating 47°F (Ducted/Non Ducted) | 3.49 / 3.61 |

### ELECTRICAL

- Electrical Power Requirements 208/230 VAC, 3-Phase, 60Hz
- Voltage Range 187 to 253 VAC
- Maximum Circuit Breaker - A 60
- Minimum Circuit Ampacity (MCA) - A 50
- Cooling Power Input - kW 9.86
- Heating Power Input - kW 10.19
- Maximum Starting Current (MSC) - A 40

### WIRED

- Communication Cable LonWorks (Fujitsu Pink Cable. See AE Bulletin 009)

### PIPING

- Max. Total Refrigerant Line Length - ft [m] 3,280 [1,000]
- Max Height Diff. (OD & ID)(Upper/Lower) - ft [m] 164/131 [50/40]
- Refrigerant Type R410A
- Refrigerant Charge - lbs [kg] 26.01 [11.80]
- Compressor - Full Load Amperage (FLA) - A 3.4

### FAN

- Fan Type Propeller fan
- Fan Airflow Rate - CFM [m³/h] 7,652 [13,000]
- Fan Power Output - W 740

### COMPRESSOR

- Compressor Type Rotary Inverter
- Refrigerant Type R410A
- Refrigerant Charge - lbs [kg] 26.01 [11.80]
- Compressor Crankcase Heater - W 2X 35
- Refrigerant Oil / Lubricant VG74 (Ester oil)
- Compressor Capacity Control - Steps/Range 951 / 20 - 115

### SOUND

- Sound Pressure Levels (Cooling/Heating) - dB(A) 61 / 62

### WEIGHT

- Net Weight - lbs [kg] 611 [277]
- Gross Weight - lbs [kg] 664 [301]

### DIMENSIONS

- External Static Pressure (Max) - in.WG [Pa] 0.32 [80]
- Fan Motor - Full Load Amperage (FLA) - A 3.4
- Dim.Net (HxWxD) - in [mm] 66-9/16 × 48-13/16 ×30-1/8 [1690 × 1240 × 765]

### CODE

- ETL 3170288
- AHR Certified Standard 1230

Note: Specifications are based on the following conditions:
- Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
- Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB.
- Pipe length: 25 ft. (7.5 m), Height difference: OD, (in) (Children unit - indoor unit).

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