### SUBMITTAL AOUA240RLBVG1

**20 Ton Heat Pump Outdoor Unit - 208/230 VAC, 3-Phase, 60Hz**

2X (AOUA120RLBVZ1)

<table>
<thead>
<tr>
<th><strong>CAPACITY</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling Capacity - BTU/h [kW]</td>
<td>240,000 [70.3]</td>
</tr>
<tr>
<td>Nominal Heating Capacity - BTU/h [kW]</td>
<td>270,000 [79.1]</td>
</tr>
<tr>
<td>Nominal Tonage - Ton(s)</td>
<td>20</td>
</tr>
<tr>
<td>Maximum Connectable Indoor Units</td>
<td>37</td>
</tr>
<tr>
<td>Connectable Capacity</td>
<td>50% to 150%</td>
</tr>
<tr>
<td>Cooling Power Input - kW</td>
<td>20.45</td>
</tr>
<tr>
<td>Heating Power Input - kW</td>
<td>21.9</td>
</tr>
<tr>
<td>Unit Group</td>
<td>2X (AOUA120RLBVZ1)</td>
</tr>
</tbody>
</table>

### OPERATING TEMPERATURES

- Operating Temp. Cooling (DB) - °F [°C] 23 to 115 [-5 to 46]
- Operating Temp. Heating (DB) - °F [°C] -4 to 70 [-20 to 21]

### EFFICIENCY

- EER Cooling (Ducted/Non Ducted) 10.9 / 10.9
- IEER Cooling (Ducted/Non Ducted) 20.20 / 20.80
- COP / High Heating 47°F (Ducted/Non Ducted) 3.36 / 3.36

### ELECTRICAL

- Electrical Power Requirements
  - 208/230 VAC, 3-Phase, 60Hz
  - Voltage Range 187 to 253 VAC
- Maximum Circuit Breaker - A 2X (60)
- Minimum Circuit Ampacity (MCA) - A 2X (50)
- Cooling Power Input - kW 20.45
- Heating Power Input - kW 21.9
- Maximum Starting Current (MSC) - A 2X (40)
- Compressor - Rated Load Amperage (RLA) - A 2X (32)
- Fan Motor - Full Load Amperage (FLA) - A 2X (3.4)

### COMPRRESSOR

- Compressor Type 2X Rotary Inverter
- Refrigerant Type R410A
- Refrigerant Charge - lbs [kg] 2X (26.01 [11.8])
- Compressor Crankcase Heater - W 2X (2X 35)
- Refrigerant Oil / Lubricant VGC74 (Estor oil)
- Compressor Capacity Control - Steps/Range 951 / 20 - 115 (per unit)

### FAN

- Fan Type 2X Propeller fan
- Fan Airflow Rate - CFM [m³/h] 2X (7,652 [13,000])
- Fan Power Output - W 2X (2X 740)
- Fan Motor - Full Load Amperage (FLA) - A 2X (3.4)
- External Static Pressure (Max) - in.WG [Pa] 0.32 [80]

### HEAT EXCHANGER

- H. E. Pipe Type (Material) Grooved H-pin (Copper)
- H. E. Fin Tube (Material) Corrugate (Aluminum)
- H. E. Fin Surface Treatment Corrosion resistance (Blue fin)
- H. E. Fin Pitch - FPI [mm] 18 [1.45]
- H. E. Rows x Stages 2X (2X (3 x 60))
- H. E. Face Area - ft² [m²] 2X (28 [2.6])
- H. E. Length - in [mm] 2X (B1-1/2 [207])

### WEIGHT

- Net Weight - lbs [kg] 2X (611 [277])
- Gross Weight - lbs [kg] 2X (664 [301])

### DIMENSIONS

- Dim.Net (HxWxD) - in [mm]
  - 2X (66-9/16 × 48-13/16 ×30-1/8
  - (1690 × 1240 × 765)
- Dim.Gross (HxWxD) - in [mm]
  - 2X (71-5/16 × 51-5/8 × 33-3/8
  - (1811 × 1312 × 847)

### CODE

- ETL 3170288
- AHRI Certified Standard 1230

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*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: 25ft. (7.5m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit).*

- 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.