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

1X (AOUA72RLBV) + 1X (AOUA96RLBV)

**CAPACITY**

**Nominal Cooling Capacity - BTU/h [kW]**
168,000 [49.2]

**Nominal Heating Capacity - BTU/h [kW]**
188,000 [55.1]

**Nominal Tonage - Ton(s)**
14

**Connectable Capacity**
50% to 130%

**Unit No**
1X (AOUA72RLBV) + 1X (AOUA96RLBV)

**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)**
11.20/11.60

**IEER Cooling (Ducted/Non Ducted)**
17.10/19.50

**COP / High Heating 47°F (Ducted/Non Ducted)**
3.54/3.60

**WIRING**

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

**PIPING**

**Max. Total Refrigerant Line Length - ft [m]**
3,280 [1,000]

**Pipe Connection Method: Liquid/Gas**
Brazed

**SOUND**

**Sound Pressure Levels (Cooling/Heating) - dB(A)**
63/64

**WEIGHT**

**Gross Weight - lbs [kg]**
2X (542 [246])

**WEIGHT**

**Gross Weight - lbs [kg]**
2X (542 [246])

**DIMENSIONS**

**Dim.Net (HxWxD) - in [mm]**
2X (66-9/16 x 36-5/8 x 30-1/8 [1690 x 930 x 765])

**Dim.Gross (HxWxD) - in [mm]**
2X (71-5/16 x 39-7/16 x 33-3/8 [1811 x 1002 x 847])

**CODE**

**ETL**
3170288

**AHRI Certified**
Standard 1230

- 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.
- Outdoor separation tube must be ordered separately (UTP-CX567A).

**ELECTRICAL**

**Electrical Power Requirements**
208/230 VAC, 3-Phase, 60Hz

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>187 to 253 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Circuit Breaker - A</td>
<td>2X (50)</td>
</tr>
<tr>
<td>Minimum Circuit Ampacity (MCA) - A</td>
<td>2X (41)</td>
</tr>
<tr>
<td>Cooling Power Input - kW</td>
<td>13.37</td>
</tr>
<tr>
<td>Heating Power Input - kW</td>
<td>14.27</td>
</tr>
<tr>
<td>Maximum Starting Current (MSC) - A</td>
<td>2X (33.2)</td>
</tr>
<tr>
<td>Compressor - Rated Load Amperage (RLA) - A</td>
<td>1X (14) + 1X (21)</td>
</tr>
<tr>
<td>Fan Motor - Full Load Amperage (FLA) - A</td>
<td>2X (3.2)</td>
</tr>
</tbody>
</table>

**COMPRESSOR**

**Compressor Type**
2X Rotary Inverter

**Refrigerant Type**
R410A

**Refrigerant Charge - lbs [kg]**
2X (24.7 [11.2])

**Compressor Crankcase Heater - W**
2X 25

**Refrigerant Oil / Lubricant**
PVE

**Compressor Capacity Control - Steps/Range**
71 / 30-100% (per unit)

**FAN**

**Fan Type**
2X Propeller fan

**Fan Airflow Rate - CFM [m3/h]**
2X (6,533 [11,100])

**Fan Power Output - W**
2X (700)

**Fan Motor - Full Load Amperage (FLA) - A**
2X (3.2)

**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. Pin Pitch - FPI [mm]**
18 [1.45]

**H. E. Rows x Stages**
2X (3 x 60)

**H. E. Face Area - ft² [m²]**
2X (23 [2.2])

**H. E. Length - in [mm]**
2X (69-5/16 [1760])

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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).

**INFORMATION**

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