### CAPACITY

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling Capacity - BTU/h [kW]</td>
<td>168,000 [49.2]</td>
</tr>
<tr>
<td>Nominal Heating Capacity - BTU/h [kW]</td>
<td>189,000 [55.1]</td>
</tr>
<tr>
<td>Nominal Tonage - Ton(s)</td>
<td>14</td>
</tr>
<tr>
<td>Maximum Connectable Indoor Units</td>
<td>26</td>
</tr>
<tr>
<td>Connectable Capacity</td>
<td>50% to 150%</td>
</tr>
<tr>
<td>Cooling Power Input - kW</td>
<td>14.03</td>
</tr>
<tr>
<td>Heating Power Input - kW</td>
<td>13.93</td>
</tr>
<tr>
<td>Unit Group</td>
<td>1X (AOUA72TLBV) + 1X (AOUA96TLBV)</td>
</tr>
</tbody>
</table>

### OPERATING TEMPERATURES

- Operating Temp. Cooling (DB) - °F [°C] : 14 to 115 [-10 to 46]
- Operating Temp. Heating (DB) - °F [°C] : -4 to 70 [-20 to 21]
- Operating Temp. Cooling/Heating Simultaneous - °F [°C] : 14 to 70 [-10 to 21]

### EFFICIENCY

- EER Cooling (Ducted/Non Ducted) : 11.0/11.0
- IEER Cooling (Ducted/Non Ducted) : 22.20/20.0
- COP / High Heating 4/7°F (Ducted/Non Ducted) : 3.48/3.48
- SCHE (Ducted/Non Ducted) : 22.0/22.0

### ELECTRICAL

- Electrical Power Requirements : 208/230 VAC, 3-Phase, 60Hz
- Voltage Range : 187 to 253 VAC
- Maximum Circuit Breaker - A : 2X (50)
- Minimum Circuit Ampacity (MCA) - A : 2X (41)
- Cooling Power Input - kW : 14.03
- Heating Power Input - kW : 13.93

### COMPRESSOR

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

### PIPING

- Max. Total Refrigerant Line Length - ft [m] : 3,280 [1,000]
- Max Height Diff. (UD & ID) (Upper/Lower) - ft [m] : 164/131 [50/40]
- Max. Refrig. Line Length 1st Sep. tube & furthest IU - ft [m] : 196 [60]
- Max. Refrig. Line Length 1st Sep. tube & furthest IU - ft [m] : 2X (740)
- Compressor Type : 2X Rotary Inverter
- Refrigerant Type : R410A
- Refrigerant Charge - lbs [kg] : 2X (26.01 [11.80])
- Compressor Crankcase Heater - W : 2X (2X 35)
- Refrigerant Oil / Lubricant : POE
- Compressor Capacity Control - Steps/Range : 951 / 20 - 115 (per unit)

### FAN

- Fan Type : 2X Propeller fan
- Fan Airflow Rate - CFM [m³/h] : 2X (6,533 [11,100])
- Fan Power Output - W : 2X (740)
- Fan Motor - Full Load Amperage (FLA) - A : 2X (1.5)
- 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 - PPI [mm] : 18 [1.45]
- H. E. Rows x Stages : 2X (3 x 60)
- H. E. Face Area - ft² [m²] : 2X (23 [2.22])
- H. E. Length - in [mm] : 2X (69-5/16 [1760])

### 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: 25 ft, Height difference: 0 ft (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.
- Outdoor separation tube must be ordered separately (UTP-DX567A).
DIMENSIONS

Unit: In. (mm)

Submittal AOUA168TLBVG

Top view

Outdoor unit 1

Outdoor unit 2

Detail A: Front view

Detail B: Left view

Detail C: Top view

Front view

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6/13/2018 Rev. s