### SUBMITAL  AOUA144RLBVG1

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

2X (AOUA72RBLVZ1)

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**CAPACITY**

- **Nominal Cooling Capacity - BTU/h [kW]**: 144,000 [42.2]
- **Nominal Heating Capacity - BTU/h [kW]**: 162,000 [47.5]
- **Nominal Tonage - Ton(s)**: 12
- **Maximum Connectable Indoor Units**: 22
- **Connectable Capacity**: 50% to 150%

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**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]

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**EFFICIENCY**

- **EER Cooling (Ducted/Non Ducted)**: 11.4 / 11.4
- **IEER Cooling (Ducted/Non Ducted)**: 20.40 / 22.20
- **COP / High Heating 47°F (Ducted/Non Ducted)**: 3.44 / 3.44

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**ELECTRICAL**

- **Electrical Power Requirements**: 208/230 VAC, 3-Phase, 60Hz
- **Voltage**: 187 to 253 VAC
- **Maximum Circuit Breaker - A**: 2X (50)
- **Minimum Circuit Ampacity (MCA)**: 2X (41)
- **Cooling Power Input - kW**: 11.8
- **Heating Power Input - kW**: 12.81
- **Unit Group**: 2X (AOUA72RBLVZ1)

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**WIRING**

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

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**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]
- **Max. Refrig. Line Length 1st Sep. tube & furthest IU - ft [m]**: 295 [90]
- **Compressor Capacity Control - Steps/Range**: 951 / 20 - 115

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**SOUND**

- **Sound Pressure Levels (Cooling/Heating) - dB(A)**: 60 / 61

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**CODE**

- **ETL**: 3170288
- **AHRI Certified**: Standard 1230

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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.

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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).

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