## Submittal AOUA72RLCV

### 6 Ton Heat Pump Outdoor Unit - 460 VAC, 3-Phase, 60Hz

1X (AOUA72RLCV)

### Capacities

**Nominal Cooling Capacity** - BTU/h [kW]: 72,000 [21.1]

**Nominal Heating Capacity** - BTU/h [kW]: 81,000 [23.7]

**Nominal Tonnage** - Ton(s): 6

**Maximum Connectable Indoor Units**: 14

**Connectable Capacity**: 50% to 150%

**Cooling Power Input**: kW - 5.37

**Heating Power Input**: kW - 5.39

**Unit Group**: 1X (AOUA72RLCV)

### 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)**: 12.3 / 12.5

**IEER Cooling (Ducted/Non Ducted)**: 20 / 24.1

**COP / High Heating 47°F (Ducted/Non Ducted)**: 3.64/0.6

### Electrical

**Electrical Power Requirements**: 460 VAC, 3-Phase, 60Hz

**Voltage Range**: 414 to 506 VAC

**Maximum Circuit Breaker**: A - 25

**Minimum Circuit Ampacity (MCA)**: A - 21

**Cooling Power Input** - kW: 5.37

**Heating Power Input** - kW: 5.39

**Compressor Capacity Control - Steps/Range**: 951 / 20 - 115

### Wiring

**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]

**Compressor - Rated Load Amperage (RLA)**: A - 8.5

**Fan Motor - Full Load Amperage (FLA)**: A - 1.5

**Max. Refrig. Line Length 1st Sep. tube & furthest IU**: ft [m] - 295 [90]

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

**Pipe Connection: Liquid - in [mm]**: 1/2 [12.7]

**Pipe Connection: Discharge Gas - in [mm]**: 7/8 [22.2]

### Sound

**Sound Pressure Levels (Cooling/Heating)** - dB(A): 57 / 58

### Weight

**Net Weight** - lbs [kg]: 584 [265]

**Gross Weight** - lbs [kg]: 628 [285]

### Dimensions

**Dim.Net (HxWxD)** - in [mm]: 66-9/16 x 36-5/8 x 30-1/8

**[1690 x 930 x 765]**

**Dim.Gross (HxWxD)** - in [mm]: 71-5/16 × 39-7/16 × 33-3/8

**[1811 × 1002 × 847]**

### Code

**ETL Certified**: 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.