### CAPACITY
- **Nominal Cooling Capacity - BTU/h [kW]**: 72,000 [21.1]
- **Nominal Heating Capacity - BTU/h [kW]**: 81,000 [23.7]
- **Nominal Tonage - Ton(s)**: 6
- **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]
- **Maximum Connectable Indoor Units**: 14
- **Connectable Capacity**: 50% to 150%
- **Cooling Power Input - kW**: 5.31
- **Heating Power Input - kW**: 5.35
- **Unit Group**: 1X (AOUA72TLCV)

### 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**: 5.31
- **Heating Power Input - kW**: 5.35
- **Maximum Starting Current (MSC) - A**: 16.8
- **Compressor - Rated Load Amperage (RLA) - A**: 8.5
- **Fan Motor - Full Load Amperage (FLA) - A**: 1.5

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

### FAN
- **Fan Type**: Propeller fan
- **Fan Airflow Rate - CFM [m³/h]**: 6,533 [11,100]
- **Fan Power Output - W**: 750
- **Fan Motor - Full Load Amperage (FLA) - A**: 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. Rows x Stages**: 3 x 60
- **H. E. Face Area - ft² [m²]**: 23 [2.2]
- **H. E. Length - in [mm]**: 69-5/16 [1760]

### 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)**: 12.3 / 12.5
- **IEER Cooling (Ducted/Non Ducted)**: 20 / 24.1
- **COP / High Heating 47°F (Ducted/Non Ducted)**: 3.64 / 4.06
- **SCHE (Ducted/Non Ducted)**: 24.00 / 30.10

### PIPING
- **Max. Total Refrigerant Line Length - ft [m]**: 3,280 [1,000]
- **Max. Starting Current (MSC) - A**: 16.8
- **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
- **Pipe Connection Method: Liquid/Gas**: Brazed
- **Pipe Connection: Liquid - in [mm]**: 1/2 [12.70]
- **Pipe Connection: Discharge Gas - in [mm]**: 5/8 [15.88]
- **Pipe Connection: Suction Gas - in [mm]**: 7/8 [22.22]

### SOUND
- **Sound Pressure Levels (Cooling/Heating) - dB(A)**: 57 / 58
- **Compressor Capacity Control - Steps/Range**: 951 / 20 - 115

### WEIGHT
- **Net Weight - lbs [kg]**: 609 [276]
- **Gross Weight - lbs [kg]**: 653 [296]

### 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 x 39-7/16 x 33-3/8 [1811 x 1002 x 847]

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

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. (7.6m), 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.