10 Ton Heat Recovery Outdoor Unit - 460 VAC, 3-Phase, 60Hz
1X (AOUA120TLCV)

- 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.

**CAPACITY**
- Nominal Cooling Capacity - BTU/h [kW]: 120,000 [35.2]
- Nominal Heating Capacity - BTU/h [kW]: 135,000 [39.6]
- Nominal Tonage - Ton(s): 10
- 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): 11.30 / 11.30
- IEER Cooling (Ducted/Non Ducted): 20.10 / 23.80
- COP / High Heating 4°F (Ducted/Non Ducted): 3.90 / 3.10
- SCHE (Ducted/Non Ducted): 25.50 / 25.40

**ELECTRICAL**
- Electrical Power Requirements: 460 VAC, 3-Phase, 60Hz
- Maximum Circuit Breaker - A: 30
- Minimum Circuit Ampacity (MCA) - A: 25
- Cooling Power Input - kW: 9.75
- Heating Power Input - kW: 10.11
- Maximum Starting Current (MSC) - A: 20.5
- Compressor - Rated Load Amperage (RLA) - A: 16
- Fan Motor - Full Load Amperage (FLA) - A: 1.7

**COMPRRESSOR**
- 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]: 7,652 [13,000]
- Fan Power Output - W: 750
- Fan Motor - Full Load Amperage (FLA) - A: 1.7
- 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 - FPI [mm]: 18 [1.45]
- H. E. Rows x Stages: 3 x 60
- H. E. Face Area - ft² [m²]: 28 [2.6]
- H. E. Length - in [mm]: 81-1/2 (2070)

**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]

**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: 16
- Max. Refrig. Line Length 1st Sep. tube & furthest IU - ft [m]: 196 [60]
- Pipe Connection Method: Liquid/Gas: Brazed
- Refrigerant Type: R410A
- Refrigerant Charge - lbs [kg]: 26.01 [11.80]
- Compressor Crankcase Heater - W: 2X 35

**WEIGHT**
- Net Weight - lbs [kg]: 657 [298]
- Gross Weight - lbs [kg]: 708 [321]

**DIMENSIONS**
- Dim.Net (HxWxD) - in [mm]: 66-9/16 × 48-13/16 ×30-1/8 [1690 × 1240 × 765]
- Dim.Gross (HxWxD) - in [mm]: 71-5/16 × 51-5/8 × 33-3/8 [1811 × 1312 × 847]

**SOUND**
- Sound Pressure Levels (Cooling/Heating) - dB(A): 61 / 62

**WEIGHT**
- Net Weight - lbs [kg]: 657 [298]
- Gross Weight - lbs [kg]: 708 [321]

**DIMENSIONS**
- Dim.Net (HxWxD) - in [mm]: 66-9/16 × 48-13/16 ×30-1/8 [1690 × 1240 × 765]
- Dim.Gross (HxWxD) - in [mm]: 71-5/16 × 51-5/8 × 33-3/8 [1811 × 1312 × 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 lengths: 25ft. (7.5m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit).

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