Job Name

Location

Submitted To

Submitted By

Date

Approval

Engineer

Construction

Unit No

Reference

• 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
- **Maximum Connectable Indoor Units**: 30
- **Connectable Capacity**: 50% to 150%
- **Cooling Power Input - kW**: 9.60 non-duct / 9.21 duct
- **Heating Power Input - kW**: 9.75 non-duct / 9.72 duct
- **Unit Group**: 1X (AOU120RLAVL)

### EFFICIENCY

- **Cooling Power Input - kW**: 9.60 non-duct / 9.21 duct
- **EER Cooling (Ducted/Non Ducted)**: 11.6 / 11.6

### ELECTRICAL

- **Electrical Power Requirements**: 208/230 VAC, 3-Phase, 60Hz
- **Voltage Range**: 187 to 253 VAC
- **Voltage Rating**: 208/230 VAC, 3-Phase, 60Hz
- **Minimum Circuit Ampacity (MCA)**: 47
- **Maximum Circuit Breaker - A**: 50
- **Maximum Starting Current (MSC)**: 38
- **Compressor - Rated Load Amperage (RLA)**: 33.5
- **Fan Motor - Full Load Amperage (FLA)**: 1.6 + 1.6

### COMPRESSOR

- **Compressor Type**: Scroll
- **Refrigerant Type**: R410A
- **Refrigerant Charge - lbs [kg]**: 26.01 [11.80]
- **Compressor Crankcase Heater - W**: 2X 35
- **Compressor Capacity Control - Steps/Range**: 951 / 20 - 115

### FAN

- **Fan Type**: Propeller fan x 2
- **Fan Airflow Rate - CFM [m³/h]**: 7,652 [13,000]
- **Fan Power Output - W**: 375 x 2
- **Fan Motor - Full Load Amperage (FLA)**: 1.6 + 1.6
- **External Static Pressure (Max) - in.WG [Pa]**: 0.24 [60]

### 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**: 18 x 76
- **H. E. Face Area - F² [m²]**: 22 [2.1]
- **H. E. Length - in [mm]**: 50 9/16 [1,285]

### PIPING

- **Max. Total Refrigerant Line Length - ft [m]**: 1312 (400)
- **Max. Refrig. Line Length 1st Sep. tube & furthest IU - ft [m]**: 295 [90]
- **Pipe Connection Method: Liquid/Gas**: Brazed

### SOUND

- **Sound Pressure Levels (Cooling/Heating) - dB(A)**: 62 / 63

### WEIGHT

- **Net Weight - lbs [kg]**: 470 [213]
- **Gross Weight - lbs [kg]**: 511 [232]

### DIMENSIONS

- **Dim.Net (HxWxD) - in [mm]**: 64-1/2 × 42-1/2 × 18-7/8 [1,638 × 1,080 × 480]
- **Dim.Gross (HxWxD) - in [mm]**: 69-9/16 × 46-1/4 × 23-5/8 [1,767 × 1,174 × 600]

### 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: 25ft. (7.5m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit).

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Rev. s
DIMENSIONS

Unit in (mm)

Top view

Front view

Side view

Rear view

Bottom view