3 Ton Heat Pump Outdoor Unit - 208/230 VAC, 1-Phase, 60Hz

AOU36RLAVS

- Energy efficient Single-Phase VRF
- Inverter driven dual rotary compressor
- High power single DC fan motor.
- Large Blue fin heat-exchanger
- 10 Year warranty on parts and compressor. See Warranty Statement for details.
- Optional: Internet, BACnet, LonWorks, or Modbus communication.

**CAPACITY**

- **Nominal Cooling Capacity - BTU/h [kW]** 36,000 [10.6]
- **Nominal Heating Capacity - BTU/h [kW]** 42,000 [12.3]
- **Nominal Tonage - Ton(s)** 3
- **Maximum Connectable Indoor Units** 6
- **Connectable Capacity** 50% to 130%

**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]

**EFFICIENCY**

- **EER Cooling (Ducted/Non Ducted)** 11.2 / 11.8
- **SEER Cooling (Ducted/Non Ducted)** 17.4 / 19.7
- **COP / High Heating 47°F (Ducted/Non Ducted)** 3.56 / 3.74
- **HSPF Heating (Ducted/Non Ducted)** 10.20 / 11.30

**ELECTRICAL**

- **Electrical Power Requirements** 208/230 VAC, 1-Phase, 60Hz
- **Voltage Range** 187 to 253 VAC
- **Maximum Circuit Breaker - A** 40
- **Minimum Circuit Ampacity (MCA) - A** 33

**WIRING**

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

**PIPING**

- **Max. Total Refrigerant Line Length - ft [m]** 262 [80]
- **Max Height Diff. (OD & ID)(Upper/Lower) - ft [m]** 98/98 [30/30]
- **Max. Refrig. Line Length 1st Sep. tube & furthest IU - ft [m]** 131 [40]
- **Pipe Connection Method: Liquid/Gas** Flare
- **Pipe Connection: Liquid in [mm]** 3/8 [9.52]
- **Pipe Connection: Discharge Gas in [mm]** 5/8 [15.88]

**COMPRESSOR**

- **Compressor Type** Rotary Inverter
- **Refrigerant Type** R410A
- **Refrigerant Charge - lbs [kg]** 8.82 [4]
- **Compressor Crankcase Heater - W** 21
- **Refrigerant Oil / Lubricant** RB68 (Ester Oil)
- **Compressor Capacity Control - Steps/Range** 91 / 20-100%

**FAN**

- **Fan Type** 1x Propeller fan
- **Fan Airflow Rate - CFM [m3/h]** 2,378 [4,040]
- **Fan Power Output - W** 1x 111

**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. Pitch - FPI [mm]** 18 [1.45]
- **H. E. Rows x Stages** 3 x 46
- **H. E. Length - in [mm]** 36-5/16

**SOUND**

- **Sound Pressure Levels (Cooling/Heating) - dB(A)** 52 / 54

**WEIGHT**

- **Net Weight - lbs [kg]** 194 [86]
- **Gross Weight - lbs [kg]** 214 [97]

**DIMENSIONS**

- **Dim.Net (HxWxD) - in [mm]** 39-5/16 × 38-3/16 × 14-9/16 [998 × 970 × 370]
- **Dim.Gross (HxWxD) - in [mm]** 44-9/16 × 44-7/8 × 18-13/16 [1132 x 1064 x 478]

**CODE**

- **ETL** 3170288
- **AHRI Certified** Standard 210/240

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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