• Energy efficient Single-Phase VRF
• Inverter driven dual rotary compressor
• High power dual 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] | 48,000 [14.07] |
| Nominal Heating Capacity - BTU/h [kW] | 54,000 [15.83] |
| Nominal Tonage - Ton(s) | 4 |
| Maximum Connectable Indoor Units | 8 |
| Connectable Capacity | 50% to 130% |

### 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
- Cooling Power Input - kW: 3.73
- Heating Power Input - kW: 3.97

### COMPRESSOR

- Compressor Type: Rotary Inverter
- Refrigerant Type: R410A
- Refrigerant Charge - lbs [kg]: 11.7 [5.3]
- Compressor Crankcase Heater - W: 25
- Refrigerant Oil / Lubricant: POE
- Compressor Capacity Control - Steps/Range: 81 / 20-100%

### FAN

- Fan Type: 2x Propeller fan
- Fan Airflow Rate - CFM [m3/h]: 3,767 [6,400]
- Fan Power Output - W: 2x 111

### HEAT EXCHANGER

- H. E. Pipe Type (Material): Grooved H-pin (Copper)
- H. E. 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 62
- H. E. Face Area - ft² [m²]: 13 [1.22]
- H. E. Length - in [mm]: 36-13/16 [935]

### PIPING

- Max. Total Refrigerant Line Length - ft [m]: 590 [180]
- Max Height Diff. (OD & ID)(Upper/Lower) - ft [m]: 164/131 [50/40]
- Max. Refriger. Line Length 1st Sep. tube & furthest IU - ft [m]: 131 [40]
- Flare
- Liquid/Gas
- Liquid - in [mm]: 3/8 [9.52]
- Discharge Gas - in [mm]: 5/8 [15.88]

### SOUND

- Sound Pressure Levels (Cooling/Heating) - dB(A): 51 / 53

### WEIGHT

- Net Weight - lbs [kg]: 260 [118]
- Gross Weight - lbs [kg]: 282 [128]

### DIMENSIONS

- Dim.Net (HxWxD) - in [mm]: 52-1/2 × 38-3/16 × 14-9/16 [1340 x 972 x 368]
- Dim.Gross (HxWxD) - in [mm]: 58-1/8 × 41-7/8 × 18-7/8 [1476 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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4 Ton Heat Pump Outdoor Unit - 208/230 VAC, 1-Phase, 60Hz
AOU48RLAVM