

**Submission Data: 48RLXFZ1  
Inverter Driven Heat Pump**

**48,000 BTU Hybrid Flex Inverter**

Job Name: \_\_\_\_\_

Date: \_\_\_\_\_

Location: \_\_\_\_\_

Approval: \_\_\_\_\_

Engineer: \_\_\_\_\_

Construction: \_\_\_\_\_

Submitted to: \_\_\_\_\_

Unit #: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Drawing #: \_\_\_\_\_

Reference: \_\_\_\_\_

**General Features**

- Wired or wireless remote
- Apple catechin filter
- Ion deodorizing filter
- Auto louver: up/down
- Auto louver: 4-way
- Low ambient cooling
- Blue fin coating
- Standard Warranty: 5 years parts, 7 years compressor. Applies to systems purchased before June 1<sup>st</sup> 2015\*
- Extended Warranty: 10 years parts, 10 years compressor. Systems that have been installed on or after June 1<sup>st</sup> 2015 by licensed contractors and the online Product Registration has been submitted.\*\*
- Elite Contractor Extended Warranty: 12 years parts, 12 years compressor. Systems that have been installed on or after June 1<sup>st</sup> 2015 by contractors who have met requirements and have been approved for elite contractor status plus, the online Product Registration has been submitted.\*\*\*

**Model Information**

Condenser..... AOU48RLXFZ1  
 Evaporator^..... (ASU) / (ARU) / (AGU) / (AUU) 7,9,12,15,18,24 RLF(1)  
 Connectable Indoor Units..... 2 - 8  
 Connectable BTU Capacity..... 39,000 – 62,000 BTU  
 Connectable Capacity..... 80 – 130%

**Electrical**..... 208/230V AC 1ph-60Hz

Available Voltage Range..... 187/264 VAC  
 Minimum Circuit Ampacity..... 26.5 A  
 Max Fuse Size..... 40 A  
 Starting Current..... 23.4 A  
 Current  
 Cooling..... 23.4 A  
 Heating..... 21.4 A  
 Input Power  
 Cooling..... 5.27 kW  
 Heating..... 4.83 kW

**Capacity**

Nominal Cooling..... 48,000 Btu/h  
 Nominal Heating..... 54,000 Btu/h

**Compressor**..... DC Twin Rotary (inv x1)

Motor Output..... 2,700 W  
 Refrigerant..... R410a  
 Pre-Charge Amount..... 7 lbs. 6 oz.  
 Oil..... PVE

**Fan Motor**

Type: DC..... Propeller x1  
 Motor Output..... 111 W  
 Airflow Rate  
 Cooling..... 2,737 CFM (4,650 m³/h)  
 Heating..... 2,825 CFM (4,800 m³/h)

**Heat Exchanger**

Dimensions  
 (H x W x D) in. (mm)..... 34 x 37-5/8 x 2-1/4 (864x955x57.2)  
 Fin Pitch..... 14 FPI  
 Rows x Stages..... 3 x 34  
 Pipe Type (Material)..... Grooved H-Pin (Copper)  
 Fin Type (Material)..... Corrugate (Aluminum)  
 Surface Treatment..... Corrosion resistance (Blue Fin)



**Operation Temperature Range**

Cooling..... 23°F - 115°F (-5°C - 46°C)  
 Heating..... 5°F - 75°F (-15°C - 24°C)

**Efficiency**

SEER..... 17.0 (non-ducted) 15.8 (mix) 14.7 (ducted)  
 EER (cooling)... 9.25 Btu/h/W (non-ducted) 8.97 Btu/h/W (mix) 8.7 Btu/h/W (ducted)  
 COP (heating)..... 3.23 W/W (non-ducted) 3.15 W/W (mix) 3.19 W/W (ducted)  
 HSPF (heating)..... 9.8 W/W (non-ducted) 9.3 W/W (mix) 9.5 W/W (ducted)

**Enclosure**

Material..... Painted galvanized steel  
 Color..... Beige (10 YR 7.5/1.0 NN)

**Sound Pressure Level**

Cooling..... 56 dB(A)  
 Heating..... 58 dB (A)

**Dimensions**

H x W x D (condenser)  
 Net in. (mm)..... 36 x 38-3/16 x 14-9/16 (914x970x370)  
 Gross in. (mm)..... 41-1/4 x 41-7/8 x 18-14/16 (1048x1064x479)

**Connection Pipe**

Liquid..... 3/8" (9.52 mm)  
 Gas..... 5/8" (15.88 mm)  
 Method (Liquid/Gas)..... Brazing  
 Pre-charge length (Total)..... n/a  
 Max length (Total)..... 377 ft. (115m)  
 Max length (BP-IN)..... 49 ft. (15m)  
 Min. length (Total)..... 66 ft. (20m)  
 Max height difference between condenser and each indoor unit..... 98 ft. (30m)  
 Max height difference between indoor units..... 49 ft. (15m)

**Weight**

Net..... 216 lbs. (98kg)  
 Gross..... 234 lbs. (106 kg)

**Accessories**

UTY-DMMUM..... Central remote control  
 UTY-XWZXZ3..... Outdoor unit input /output connector  
 UTY-XWZXZ4..... Outdoor unit base heater connector

**Intertek® ETL Number**

AOU48RLXFZ1..... 91987

\*Reference brochure for approved combinations.  
 Note: Specifications are based on the following conditions. Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.44°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB. Heating: Indoor temperature of 70°F (21.11°C) DB/55°F (15°C) WB, and outdoor temperature of 47°F (8.33°C) DB/43°F (6.11°C) WB. Pipe length: 24ft. 7in. (7.5m). Height difference: 0ft. (0m) (Outdoor unit – indoor unit)



## Dimensions:48RLXFZ1

[Unit: in. (mm)]

