

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

48,000 BTU Hybrid Flex Inverter

Job Name: _____
 Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Date: _____
 Approval: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

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 1st 2015*
- Extended Warranty: 10 years parts, 10 years compressor. Systems that have been installed on or after June 1st 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 1st 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 (ducted & non-ducted) 14.7 (ducted)
 EER (cooling)..... 9.25 (non-ducted) 8.97 (ducted & non-ducted) 8.7 (ducted)
 COP (heating)..... 3.23 (non-ducted) 3.15 (ducted & non-ducted) 3.19 (ducted)
 HSPF (heating)..... 9.8 (non-ducted) 9.3 (ducted & non-ducted) 9.5 (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-XWZZX3..... Outdoor unit input /output connector
 UTY-XWZZX4..... Outdoor unit base heater connector

*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 (21.1°C) DB/59°F (15°C) WB, and outdoor temperature of 47°F (8.33°C) DB/43°F (6.11°C) WB. Pipe length: 246.7m. (7.5m). Height difference: 0ft. (0m) (Outdoor unit – indoor unit)



Dimensions:48RLXFZ1

[Unit: in. (mm)]

