

Submission Data: 12RLFCD Inverter Driven Heat Pump

12,000 BTU Slim Compact Duct

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Wired remote controller
- Weekly timer
- Dry mode
- Auto louver: up/down
- Auto mode
- Auto changeover
- Low ambient cooling
- Cold prevention
- Daisy chain
- Condensate pump
- Energy Star rated
- 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..... AOU12RLFCD
Evaporator..... ARU12RLF

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

Available voltage range..... 208/230 +/- 10%

Minimum circuit ampacity..... 13.4 A

Max fuse size..... 15 A

Rated Current

Cooling..... 4.4 A

Heating..... 6.0 A

Input Power

Cooling..... 0.62 kW

Heating..... 0.85 kW

Capacity

Nominal cooling..... 12,000 Btu/h

Min-max cooling..... 3,100 – 13,600 Btu/h

Nominal heating..... 16,000 Btu/h

Min-max heating..... 3,100 – 19,400 Btu/h

Compressor

Motor output..... 850 W

Refrigerant..... R410a

Charge..... 2 lbs. 10 oz.

Oil..... FREOL α68SZ

Fan Motor

(Condenser) Type: DC..... Propeller fan x1

(Condenser) Motor Output..... 115 W

(Evaporator) Type..... Sirocco fan x2

(Evaporator) Motor Output..... 81 W

Heat Exchanger

Condenser

(H x W x D) in. (mm)..... 23-5/32 x 34-11/16 x 1-7/16 (588x881x36.4)

Fin Pitch..... 20 FPI

Rows x stages..... 2 x 28

Pipe type (Material)..... Copper

Type (Material)..... Aluminum



Temperature Setting Range

Cooling..... 14°F - 115°F (-10°C – 46°C)
Heating..... -5°F - 75°F (-21°C - 24°C)

Efficiency

SEER..... 20.0
EER (cooling)..... 3.74 kW/kW
COP (heating)..... 3.60 kW/kW
HSPF (heating)..... 11.5 Btu/h/W
Moisture Removal..... 2.7 pints/h / 1.3 liters/h

Enclosure

(Condenser) Material..... Steel
(Condenser) Color..... Beige (approximate color or Munsell 10 YR 7.5/1.0)
(Evaporator) Material..... Galvanized steel sheet

Sound Pressure Level

Condenser..... 50 dB (A)
Evaporator..... 29 dB (A)

Dimensions

H x W x D
Condenser in. (mm)..... 24-1/2 x 31-3/32 x 11-11/32 (620x790x290)
Evaporator in. (mm)..... 7-25/32 x 27-9/16 x 24-13/32 (198x700x620)

Connection Pipe

Liquid..... 1/4" in. (6.35 mm)
Gas..... 3/8" in. (9.52 mm)
Method (Liquid/Gas)..... Flare
Internal Drain Lift..... 27-9/16"

Weight

Condenser..... 84 lbs. (38 kg)
Evaporator..... 41 lbs. (19 kg)

Accessories

UTY-RNNUM..... Wired remote controller
UTY-RVNUM..... Wired remote controller (backlit, shows room temp.)
UTY-RSNUM..... Wired remote controller (simple)
UTY-XSZX..... Remote sensor
UTY-LRHUM..... Receiver unit
UTD-ECS5A..... Slim duct connector kit
UTD-GXSA-W..... Auto louver grille kit

Intertek®ETL Number

AOU12RLFCD..... 91986
ARU12RLF..... 3170288

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/59°F (15°C) WB, and outdoor temperature of 47°F (8.33°C) DB/43°F (6.11°C) WB.
Pipe length: 24ft. Tin. (7.5m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit)
(*Standard warranty / **10 year warranty / ***12 year warranty)



