

Submittal Data: 18RLFCD Inverter Driven Heat Pump

18,000 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
- 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..... AOU18RLFCD
Evaporator..... ARU18RLF

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

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

Minimum circuit ampacity..... 17.3 A

Max fuse size..... 20 A

Rated Current

Cooling..... 6.6 A

Heating..... 7.3 A

Input Power

Cooling..... 1.50 kW

Heating..... 1.67 kW

Capacity

Nominal cooling..... 18,000 Btu/h

Min-max cooling..... 3,100 – 20,100 Btu/h

Nominal heating..... 21,600 Btu/h

Min-max heating..... 3,100 – 25,600 Btu/h

Compressor

Motor output..... 1,000 W

Refrigerant..... R410a

Charge..... 2 lbs. 14 oz.

Oil..... FREOL α68SZ

Fan Motor

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

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

(Evaporator) Type..... Sirocco fan x3

(Evaporator) Motor Output..... 96 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..... 19.7

EER (cooling)..... 3.52 Btu/hW

COP (heating)..... 3.79 Btu/hW

HSPF (heating)..... 11.3 Btu/hW

Moisture Removal..... 4.2 pints/h / 2.0 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..... 55 dB (A)

Evaporator..... 32 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 35-7/16 x 24-13/32 (198x900x620)

Connection Pipe

Liquid..... 1/4" in. (6.35 mm)

Gas..... 1/2" in. (12.7 mm)

Method (Liquid/Gas)..... Flare

Weight

Condenser..... 86 lbs. (39 kg)

Evaporator..... 50 lbs. (23 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

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. 7in. (7.5m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit)
(*Standard warranty / **10 year warranty / ***12 year warranty)

Dimensions: 18RLFCD

[Unit: in. (mm)]

