

## 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
- Energy Star rated
- 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..... 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 a68SZ

**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)]

