

**Submittal Data:ASU18RLF  
Inverter Driven Heat Pump**

**18,000 BTU Wall Mount Type**

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

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

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

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

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

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

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

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

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

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

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

**General Features**

- Refrigerant Type R410A.
- Wired and wireless remote controllers
- Auto changeover
- Weekly timer
- Removable open panel
- Super quiet operation
- Removable air filter
- Program timer
- 5 years standard parts warranty
- Eligible for 10 year or 12 year parts warranty. See warranty statement for details.



**Model Information**

Evaporator..... ASU18RLF  
 Condenser compatibility... AOU18RLXFW, AOU18RLXFW1, AOU18RLXFWH  
 AOU24RLXFZ, AOU24RLXFZH  
 AOU36RLXFZ, AOU36RLXFZ1, AOU36RLXFZH  
 AOU45RLXFZ, AOU48RLXFZ1

**Electrical**..... 208/230V AC 1ph-60Hz  
 Available Voltage Range..... 208/230 +/- 10%  
 Minimum Circuit Ampacity..... 0.42 A  
 Full Load Amps..... 0.34 A  
 Input Power ..... 41 W  
 Running Current..... 0.32 A

**Capacity**  
 Nominal Cooling..... 18,000 Btu/h

**Fan Motor**  
 Type: DC ..... Cross flow x1  
 Motor Output..... 42 W  
 Fan Motor Protection..... off: 302 ± 27°F (150 ± 15°C)  
 on: 248 ± 27°F (120 ± 15°C)

**Airflow Rate**  
 Cooling (High / Medium / Low / Quiet)  
 542 CFM (920 m3/h) / 436 CFM (740 m3/h) / 365 CFM (620 m3/h) / 324 CFM (550 m3/h)  
 Heating (High / Medium / Low / Quiet)  
 542 CFM (920 m3/h) / 436 CFM (740 m3/h) / 365 CFM (620 m3/h) / 324 CFM (550 m3/h)

**Heat Exchanger**  
 Dimensions  
 (H x W x D) in. (mm)..... 15-7/8 x 33-3/4 x 1-1/16 (378x832x26.6)  
 Fin Pitch..... Main 21 FPI / Sub 18 FPI  
 Rows x Stages..... Main 2 x18 / Sub 1 x4  
 Pipe Type (Material)..... Copper  
 Type (Material)..... Aluminum

**Temperature Setting Range**

Cooling..... 64°F - 90°F (18°C - 32 °C)  
 Heating..... 60°F - 88°F (16°C - 30°C)

**Enclosure**

Material.....Galvanized Steel Sheet

**Sound Pressure Level**

Cooling  
 High/Medium/Low/Quiet..... 43 dB (A) / 37 dB (A) / 33 dB (A) / 31 dB (A)  
 Heating  
 High/Medium/Low/Quiet..... 44 dB (A) / 37 dB (A) / 33 dB (A) / 31 dB (A)

**Dimensions**

H x W x D  
 in. (mm)..... 12-5/8 x 39-1/4 x 9 (320x998x228)

**Connection Pipe**

Liquid..... 1/4" in. (6.35 mm)  
 Gas..... 1/2" in. (9.52 mm)  
 Method (Liquid/Gas)..... Flare  
 Drain hose  
 Material..... PP + LLDPE  
 Size..... Ø1/2 (I.D.), Ø5/8 [Ø12 (I.D.), Ø16 O.D.]

**Weight**

Net..... 31 lbs. (14 kg)  
 Gross..... 40 lbs. (18 kg)

**Accessories**

Wired Remote Controller..... UTY-RNNUM  
 Backlit Display..... UTY-RVNUM  
 Simple Remote Controller..... UTY-RSNUM  
 Dry Contact Wire Kit..... UTY-XWZZ5  
 Interface Kit..... UTY-XCBXZ2

**Intertek®ETL Number**

ASU18RLF..... 91986

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)



# Dimensions: ASU18RLF

[Unit: in. (mm)]

