

**Submittal Data:24RLB  
Inverter Driven Heat Pump**

**24,000 BTU Heat Pump System**

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

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

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

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

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

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

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

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

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

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

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

**General Features**

- Refrigerant Type R410A.
- Human Sensor
- Wired and wireless remote controllers
- Double swing automatic
- Automatic airflow adjustment
- 5- Years Parts, 7-Years Compressor Warranty (See Warranty Statement for details)
- 24 hr. Timer

**Model Information**

Outdoor..... AOU24RLB  
Indoor..... ASU24RLB

**Electrical**  
Available Voltage Range..... 208/230V AC 1ph-60Hz  
Minimum Circuit Ampacity..... 17.1 A  
Max Fuse Size..... 20A  
Max Starting Current..... 10.5 A

**Input Power**  
Cooling..... 2.40 kW  
Heating..... 1.92 kW

**Running Current**  
Cooling..... 10.5A  
Heating..... 8.5A

**Capacity**  
Nominal Cooling..... 24,000 Btu/h  
Min-Max Cooling..... 3,100 – 25,000 Btu/h  
Nominal Heating..... 24,000 Btu/h  
Min-Max Heating..... 7,500 – 27,000 Btu/h

**Compressor**  
Motor Output..... 1,000 W  
Refrigerant..... R410a  
Charge..... 3lbs. 1oz  
Oil..... FREOL a68SZ

**Fan Motor**  
(Condenser) Type: DC ..... Propeller x 1  
(Condenser) Motor Output..... 49 W  
(Evaporator) Type: DC..... Cross flow fan x1  
(Evaporator) Motor Output..... 42 W  
Thermal Protection (On)..... 248 ± 27°F (120 ± 15°C)  
Evaporator (Off)..... 302 ± 27°F (150 ± 15°C)  
Condenser (On) 203 ± 18°F (95 ± 10°C) / (Off) 212 ± 27°F (100 ± 15°C)

**Heat Exchanger**  
Dimensions  
(H x W x D) in.(mm)..... 23-2/16 x 34-11/16 x 1-7/16 (620x790x290)  
Fin Pitch..... 20 FPI  
Rows x Stages..... 2 x 28  
Pipe Type (Material)..... Copper  
Fin Type (Material)..... Aluminum

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)



**Operation Temperature Range**

Cooling..... 14°F (-10°C) - 115°F (-46°C)  
Heating..... 5°F (-15°C) - 75°F (-24°C)

**Efficiency**  
SEER..... 18  
EER (cooling)..... 2.93 kW/kW  
COP (heating)..... 3.65 kW/kW / 12.5 Btu/h  
HSPF (heating)..... 10.6 Btu/hW

**Enclosure (Condenser)**  
Material..... Painted galvanized steel  
Color..... Beige (10 YR 7.5/1.0 NN)

**Sound Pressure Level**  
Outdoor..... 54 dB(A)  
Indoor..... 47 dB(A)

**Dimensions**  
H x W x D  
Outdoor in. (mm)..... 24-7/16 x 31-1/8 x 11-7/16 (620x790x290)  
Indoor in. (mm)..... 12-5/8 x 39-5/16 x 9 (320x998x228)

**Connection Pipe**  
Liquid..... 1/4"  
Gas..... 1/2"  
Method (Liquid/Gas)..... Brazing  
Max Length (Pre-charge)..... 65ft. (20m) / (49 ft. {15m})  
Max Height Difference..... 49 ft. (15m)

**Weight**  
Outdoor..... 86 lbs. (39kg)  
Indoor..... 31 lbs. (14kg)

**Accessories**  
Wired Remote Controller..... UTY-RVNUM  
Wired Remote Controller..... UTY-RNNUM  
Simple Remote Controller..... UTY-RSNUM

## Dimensions:24RLB

[Unit: in. (mm)]

