

Submittal Data:24RLB Inverter Driven Heat Pump

24,000 BTU Wall Mount

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Wired or wireless remote
- Apple catechin filter
- Energy Star rated
- Sleep timer
- Auto louver: 4-way
- Auto mode
- Economy mode
- Auto changeover
- 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..... AOU24RLB
Evaporator..... ASU24RLB

Electrical..... 208/230V AC 1ph-60Hz
Available Voltage Range..... 208/230 +/- 10%
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

..... Rotary (inv x1)
Motor Output..... 1,000 W
Refrigerant..... R410a
Charge..... 3lbs. 1oz
Oil..... FREOL α68SZ

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 (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
Heating: Indoor temperature of 70°F (21.1°C) DB/59°F (15°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB.
Pipe length: 24ft. 7in. (7.5m). Height difference: 0ft. (0m) (Outdoor unit – indoor unit) (*Standard warranty**10 year warranty***12 year warranty)



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
HSPF (heating)..... 10.6 Btu/hW

Enclosure (Condenser)

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

Sound Pressure Level

Condenser..... 54 dB (A)
Evaporator..... 47 dB (A)

Dimensions

H x W x D
Condenser in. (mm)..... 24-7/16 x 31-1/8 x 11-7/16 (620x790x290)
Evaporator 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

Condenser..... 86 lbs. (39 kg)
Evaporator..... 31 lbs. (14 kg)

Accessories

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

Configuration

Heating only or cooling only field settings required.

Intertek®ETL Number

AOU24RLB..... 91987
ASU24RLB..... 91986



Dimensions:24RLB

[Unit: in. (mm)]

