

**Submittal Data: 18RLB
Inverter Driven Heat Pump**

18,000 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..... AOUI8RLB
Evaporator..... ASU18RLB

Electrical
Available Voltage Range..... 208/230V AC 1ph-60Hz
Minimum Circuit Ampacity..... 14.6 A
Max Fuse Size..... 15A
Max Starting Current..... 6.4 A

Input Power

Cooling..... 1.44 kW
Heating..... 1.28 kW

Running Current

Cooling..... 6.4A
Heating..... 5.8A

Capacity

Nominal Cooling..... 18,000 Btu/h
Min-Max Cooling..... 3,100 – 19,000 Btu/h
Nominal Heating..... 18,000 Btu/h
Min-Max Heating..... 7,000 – 20,000 Btu/h

Compressor

Motor Output..... Rotary (inv x1)
Refrigerant..... R410a
Charge..... 3 lbs. 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 (19.44°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
Heating: Indoor temperature of 70°F (21.1°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. (7.5m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit)



Operation Temperature Range

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

Efficiency

SEER..... 19
EER (cooling)..... 3.67 kW/kW
COP (heating)..... 4.11 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..... 51 dB(A)
Evaporator..... 43 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)..... 12-10/16 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

UTY-RNNUM..... Wired remote control
UTY-RVNUM..... Wired remote control (backlit, shows room temp.)
UTY-RSNUM..... Wired remote control (simple)
UTY-XWZX..... Dry contact wire kit

Configuration

Heating-only or cooling-only field setting configuration required.

Intertek®ETL Number

AOUI8RLB..... 91987
ASU18RLB..... 91986



Dimensions:18RLB

[Unit: in. (mm)]

