

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

18,000 BTU Heat Pump System

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Refrigerant Type R410A.
- 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..... AOU18RLB
Indoor..... ASU18RLB

Electrical..... 208/230V AC 1ph-60Hz
Available Voltage Range..... 208/230 +/- 10%
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..... 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 - 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 / 14 Btu/hW
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..... 51 dB(A)
Indoor..... 43 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)..... 12-10/16 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

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:18RLB

[Unit: in. (mm)]

