

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Blue fin heat exchanger
- Wired and wireless remote controllers
- Economy operation
- Minimum heat operation
- Automatic airflow adjustment
- 2- Years Parts, 6-Years Compressor Warranty (See Warranty Statement for details)
- Removable intake grille

Model Information

Condenser..... AOU18RLXS
 Evaporator..... ASU18RLXS

Electrical

Available Voltage Range..... 208/230V AC 1ph-60Hz
 Max Fuse Size..... 20A
 Max Starting Current..... 14.5 A

Input Power

Cooling..... 1.38 kW
 Heating..... 1.80 kW

Running Current

Cooling..... 6.3A
 Heating..... 8.0A

Capacity

Nominal Cooling..... 18,000 Btu/h
 Min-Max Cooling..... 7,000 – 23,000 Btu/h
 Nominal Heating..... 21,600 Btu/h
 Min-Max Heating..... 7,000 – 29,000 Btu/h

Compressor

Motor Output..... Rotary (inv x1) 2,100 W
 Refrigerant..... R410a
 Charge..... 4 lbs. 10.1 oz.
 Oil..... POE (RB68)

Fan Motor

(Condenser) Type: DC Propeller x 1
 (Condenser) Motor Output..... 100 W
 (Evaporator) Type: DC..... Cross flow fan x1
 (Evaporator) Motor Output..... 64 W
 Thermal Protection (condenser)
 Off..... 230 +27 -18°F (110 +15 -10°C)
 On..... 221 +27 -18°F (105 +15 -10°C)

Heat Exchanger

Dimensions (condenser)
 (H x W x D) in.(mm)..... 31-7/16 x 35-7/16 x 1-7/16 (830x900x330)
 Fin Pitch..... 20 FPI
 Rows x Stages..... 2 x 38
 Pipe Type (Material)..... Copper
 Fin Type (Material)..... Aluminum (Blue Fin)

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..... 19.2
 EER (cooling)..... 13.0 Btu/hW
 COP (heating)..... 12.0 Btu/hW
 HSPF (heating)..... 10.0 Btu/hW
 Moisture Removal..... 5.9 pints/h / 2.8 liters/h

Enclosure

Condenser
 Material..... Painted galvanized steel
 Color..... Beige (10 YR 7.5/1.0 NN)
 Evaporator
 Material..... Polystyrene
 Color..... White (Approximate color of Mansell N9.25)

Sound Pressure Level

Condenser..... 50 dB(A)
 Evaporator..... 43 dB(A)

Dimensions

H x W x D
 Condenser in. (mm)..... 32-3/4 x 35-3/8 x 13 (830x900x330)
 Evaporator in. (mm)..... 12-5/8 x 39-1/4 x 9 (320x998x228)

Connection Pipe

Liquid..... 3/8"
 Gas..... 5/8"
 Method (Liquid/Gas)..... Brazing
 Max Length (Pre-charge)..... 164 ft. (50m) / (66 ft. {20 m})
 Max Height Difference..... 98 ft. (30 m)

Weight

Condenser..... 135 lbs. (61 kg)
 Evaporator..... 31 lbs. (14 kg)

Accessories

Wired Remote Controller..... UTY-RNB YU
 Dry Contact Wire Kit..... UTY-XWZX

