

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

18,000 BTU Universal Mount

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Refrigerant Type R410A.
- Wired and wireless remote controllers
- Omni-Directional Air Flow
- Mildew-Resistant Filter
- Pump Down Operation
- 2- Years Parts, 6-Years Compressor Warranty (See Warranty Statement for details)
- Floor/ceiling mount
- 24 hr. Timer

Model Information

Condenser..... AOU18RLX
Evaporator..... ABU18RULX

Electrical
Available Voltage Range..... 208/230V AC 1ph-60Hz
Max Fuse Size..... 20 A
Max Starting Current..... 9.1 A

Input Power

Cooling..... 1.63 kW
Heating..... 2.25 kW

Running Current

Cooling..... 7.1 A
Heating..... 9.8 A

Capacity

Nominal Cooling..... 17,800 Btu/h
Rated / Max Cooling..... 17,800 / 21,500 Btu/h
Nominal Heating..... 21,500 Btu/h
Rated / Max Heating..... 21,500 / 25,600 Btu/h

Compressor..... DC Twin Rotary (Inverter)
Motor Output..... 1,300 W
Refrigerant..... R410a
Charge..... 4lbs. 3-1/32 oz
Oil..... POE

Fan Motor

(Condenser) Type: DC..... Propeller x1
(Condenser) Motor Output..... 100 W
(Evaporator) Type: DC..... Sirocco x2
(Evaporator) Motor Output..... 42 W
Thermal Protection
Condenser..... 212°F +27 -18
Evaporator..... 248 ± 9°F

Heat Exchanger

Condenser
(H x W x D) in. (mm)..... 9-29/32 x 31-1/4 x 1-7/16 (252x800x36.38)
Fin Pitch..... 20 FPI
Rows x Stages..... 2 x 38
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 (8.33°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..... 0°F - 115°F (-18°C - 46°C)
Heating..... 14°F - 75°F (-10°C - 24°C)

Efficiency

SEER..... 16.0
HSPF (heating)..... 8.5 Btu/hW

Enclosure

(Condenser) Material..... Steel
(Condenser) Color..... Beige (approximate color or Munsell 10 YR 7.5/1.0)
(Evaporator) Material..... Polystyrene
(Evaporator) Color..... White (approximate color of Munsell N9.25)

Sound Pressure Level

Condenser..... 51 dB(A)
Evaporator..... 43 dB(A)

Dimensions

H x W x D
Condenser in. (mm)..... 32-11/16 x 35-7/16 x 13 (830x900x330)
Evaporator in. (mm)..... 7-27/32 x 38-31/32 x 25-25/32 (199x990x655)

Connection Pipe

Liquid..... 1/4"
Gas..... 1/2"
Method (Liquid/Gas)..... Brazing
Pre-charge..... 49 ft. (15 m)
Minimum Length..... 16 ft. (5 m)
Max Length..... 164 ft. (50m)
Max Height Difference..... 66 ft. (20m)

Weight

Condenser..... 141 lbs. (64 kg)
Evaporator..... 62 lbs. (28 kg)

Accessories

Wired Remote Controller..... UTY-RNBYU

Safety Devices

(Condenser) Current Fuse on Main PCB..... 3.15A 250V & 5 A 250V
Compressor Protection (Thermal protector)..... off: 257°F on: 176°F
High Pressure Protection..... off: 609±15psi on: 464±22psi
(Evaporator) Current Fuse on Main PCB..... 3.15A 250V



Dimensions:18RULX

[Unit: in. (mm)]

