

Submittal Data: 12RLF01 Inverter Driven Heat Pump

12,000 BTU Wall Mount

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Refrigerant Type R410A.
- Wired or wireless remote controller
- Automatic airflow adjustment
- Auto/Cool/Dry/Fan/Heat modes
- Program timer
- Energy Star rated
- 5- Years Parts, 7-Years Compressor Warranty (See Warranty Statement for details)

Model Information

Condenser..... AOU12RLF01
Evaporator..... ASU12RLF01

Electrical..... 208/230 V AC 1ph-60HZ

Available Voltage Range..... 187 - 253 V +/- 10%

Max Fuse Size..... 20 A

Max Operating Current

Evaporator..... 0.4 A

Condenser..... 5.9 A

Input Power

Cooling..... 0.96 kW

Heating..... 1.28 kW

Running Current

Cooling..... 4.4 A

Heating..... 5.9 A

Capacity

Nominal Cooling..... 12,000 Btu/h

Min-Max Cooling..... 3,100 – 13,300 Btu/h

Nominal Heating..... 16,000 Btu/h

Min-Max Heating..... 3,100 – 19,100 Btu/h

Compressor..... Rotary x1

Motor Output..... 750 W

Refrigerant..... R410a

Charge..... 2 lbs. 5 oz.

Oil..... VG74

Fan Motor

Type: DC (condenser)..... Propeller x1

Type: DC (evaporator)..... Cross flow fan x1

Motor Output (condenser)..... 37 W

Motor Output (evaporator)..... 30 W

Heat Exchanger

Condenser

(H x W x D) in. (mm)..... 19-13/16 x 35-1/4 x 1-7/16 (504x896x36.4)

Fin Pitch..... 18 FPI

Rows x Stages..... 2 x 24

Pipe Type (Material)..... Grooved H-Pin (Copper)

Type (Material)..... Corrugate (Aluminum)



Operation Temperature Range

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

Efficiency

SEER..... 22.0
EER (cooling)..... 12.5
COP (heating)..... 12.50
HSPF (heating)..... 11.0

Enclosure

Material..... Polystyrene
Evaporator..... Painted galvanized steel
Color..... Beige (10 YR 7.5/1.0 NN)
Condenser..... White
Evaporator..... White

Sound Pressure Level

Condenser (max)..... 49 dB(A)
Evaporator (max)..... 43 dB(A)

Dimensions

H x W x D
Condenser in. (mm)..... 21-1/4 x 31-1/8 x 11-7/16 (540x790x290)
Evaporator in. (mm)..... 10-9/16 x 33-1/16 x 8 (268x840x203)

Connection Pipe

Liquid..... Ø1/4 in. (Ø6.35 mm)
Gas..... Ø3/8 in. (Ø9.52 mm)
Method (Liquid/Gas)..... Flare
Max Length {(Pre-charge)}..... 66 ft. (20 m) {(49 ft.) (15 m)}
Max Height Difference..... 49 ft. (15 m)

Weight

Condenser..... 80 lbs. (36 kg)
Evaporator..... 19 lbs. (8.5 kg)

Accessories

UTY-RNNUM*1..... Wired remote control
UTY-RVNUM*1..... Wired remote control
UTY-RSNUM*1..... Wired remote control (simple)
UTY-XWZZZ5..... Dry contact wire kit

*1 Requires interface kit # UTY-TWBXF1 in order to connect these devices to them.

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)



Dimensions: 12RLFW1

[Unit: in. (mm)]

