

Submittal Data: 15RLS3H
Inverter Driven Heat Pump

15,000 BTU Heat Pump System

Job Name: Jody Halliday
 Location: 28 3rd Street, Peaks Island
 Engineer: n/a
 Submitted to: Goggin Energy
 Submitted by: City of Portland
 Reference: n/a

Date: 9-19-16
 Approval: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

General Features

- Refrigerant Type R410A.
- Human Sensor
- Wired and wireless remote controllers
- Double swing automatic
- Automatic airflow adjustment
- Low noise mode
- Powerful mode
- 5- Years Parts, 7-Years Compressor Warranty (See Warranty Statement for details)
- Program timer
- Weekly time

Technical Information

Model: AOU15RLS3H
 Refrigerant: ASU15RLS3
 Nominal Voltage Range: 208/230V AC 1ph-60Hz
 Maximum Circuit Ampacity: 208/230 +/- 10%
 Fuse Size: 18.2 A
 Starting Current: 20A
 Running Current: 5.2 A

Power

Cooling Power: 1.04 kW
 Heating Power: 1.15 kW

Operating Current

Running Current: 4.8 A
 Starting Current: 5.2 A

Capacity

Rated Cooling Capacity: 15,000 Btu/h
 Max Cooling Capacity: 3,100-18,400 Btu/h
 Rated Heating Capacity: 18,000 Btu/h
 Max Heating Capacity: 3,100-23,900 Btu/h

Compressor

Compressor Type: Rotary (inv x1)
 Output: 1,000 W
 Refrigerant: R410a
 Weight: 3 lbs. 1 oz
 Lubricant: FREOL a68SZ

Motor

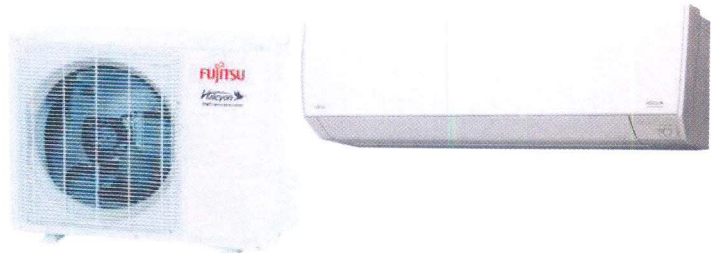
Condenser Type: DC Propeller x 1
 Condenser Motor Output: 49 W
 Evaporator Type: DC Cross flow fan x 1
 Evaporator Motor Output: 61 W

Heat Exchanger {Condenser (C) Evaporator (E)}

Dimensions (H x W x D)
 Condenser: 23-1/8 x 34-11/16 x 1-7/16 in. (588x881x36.4 mm)
 Evaporator: Main 15-1/8 x 28-3/8 x 1-3/16 in. (384x720x30) Sub 3-5/16 x 28-3/8 x 1/2 in. (84x720x13.3 mm) 4-15/16 x 28-3/8 x 1/2 in. (126x720x13.3 mm)
 Filter: 20 FPI (C) Main 21 FPI Sub 18 FPI (E)
 Stages: 2 x 28 (C) Main 3 x 24 Sub 1 x 10 (E)
 Type (Material): Copper (C) Copper (E)
 Type (Material): Aluminum (C) Aluminum (E)

Specifications are based on the following conditions.

Indoor temperature of 70°F (21.1°C) DB/59°F (15.0°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
 Indoor temperature of 70°F (21.1°C) DB/59°F (15.0°C) WB, and outdoor temperature of 47°F (8.33°C) DB/43°F (6.11°C) WB.
 H: 24ft. 7in. (7.5m), Height difference: 0ft. (0m) (Outdoor unit - indoor unit)



Operation Temperature Range

Cooling: 14°F (-10°C) to 115°F (46°C)
 Heating: -15°F (-26°C) to 75°F (24°C)

Efficiency

SEER: 25.3
 EER (cooling): 4.09 kW/kW
 COP (heating): 4.59 kW/kW / 15.7 Btu/hW
 HSPF (heating): 13.4 Btu/hW

Enclosure (Condenser)

Material: Painted galvanized steel
 Color: Beige (10 YR 7.5/1.0 NN)

Sound Pressure Level

Outdoor: 49 dB(A)
 Indoor: 45 dB(A)

Dimensions

H x W x D
 Outdoor in. (mm): 24-1/2 (620) x 31-1/8 (790) x 11-7/16 (290)
 Indoor in. (mm): 11- 5/8 (295) x 37 (940) x 10-5/8 (270)

Connection Pipe

Liquid: 1/4" / 6.35 mm Flare
 Gas: 1/2" / 12.7 mm Flare
 Method (Liquid/Gas): Brazing
 Max Length (Pre-charge): 66 ft. (20 m) / (49 ft. {15 m})
 Max Height Difference: 49 ft. (15 m)

Weight

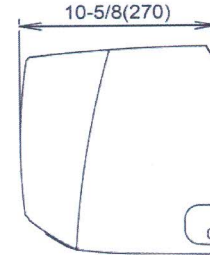
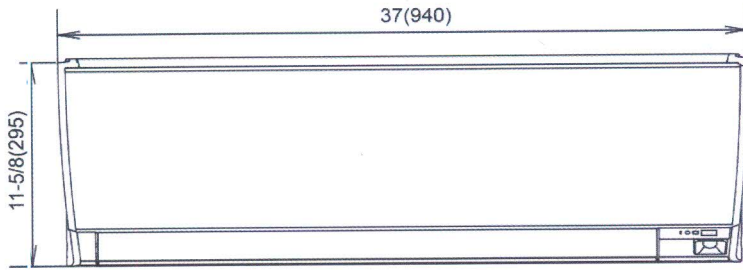
Outdoor: 88 lbs (40 kg)
 Indoor: 31 lbs (14 kg)

Accessories

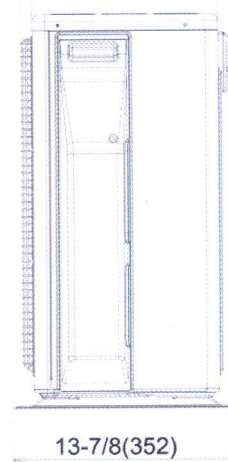
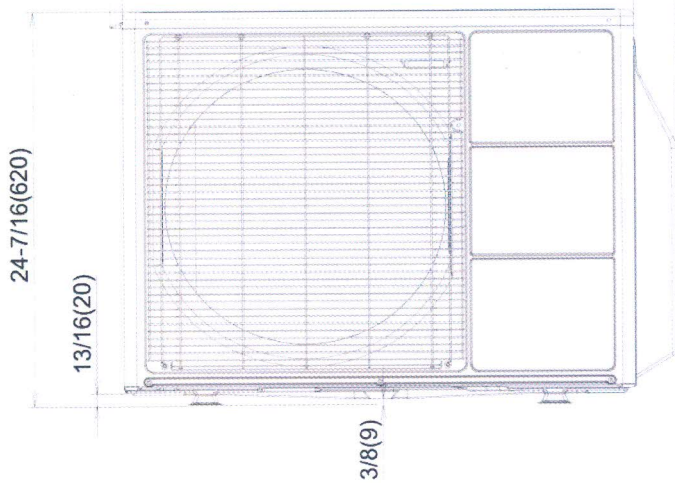
Wired Remote Controller: UTY-RVNUM
 Wired Remote Controller: UTY-RNNUM
 Simple Remote Controller: UTY-RSNUM
 Communication Kit: UTY-TWBXF1
 External Connection Kit: UTY-XWZZZ5

Dimensions: 15RLS3H

[Unit: in. (mm)]



3/4(19) 31-1/8(790) 2-5/8(67) 11/16(18) 11-5/16(288) 7/8(23)

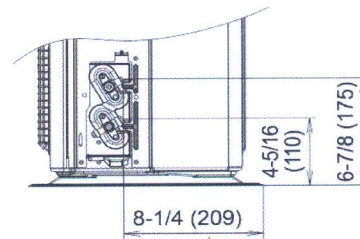
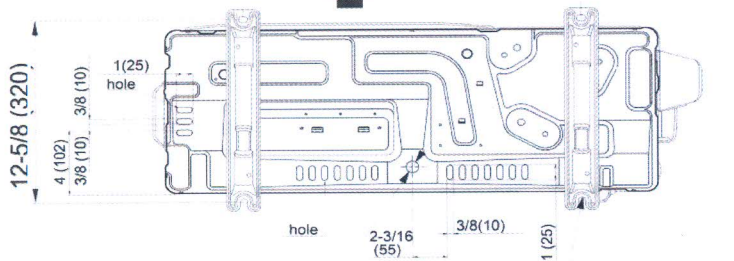


Front view

Side view

21-1/4 (540)

Air flow



ø13/16 (20) hole

4-ø7/16 (11.3) hole

Bottom view