

**Submittal Data: 15RLS3H Inverter Driven Heat Pump** **15,000 BTU Heat Pump System**

Job Name: Peter Halpin Date: 1-9-17  
 Location: 58 Vannah Avenue Approval: \_\_\_\_\_  
 Engineer: n/a Construction: \_\_\_\_\_  
 Submitted to: City of Portland Unit #: \_\_\_\_\_  
 Submitted by: Doggin Energy Drawing #: \_\_\_\_\_  
 Reference: n/a

**General Features**

- Refrigerant Type R410A.
- Humana 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

**Model Information**

Outdoor ..... AOU15RLS3H  
 Indoor ..... ASU15RLS3

**Electrical** ..... 208/230V AC 1ph-60Hz  
 Available Voltage Range ..... 208/230 +/- 10%  
 Minimum Circuit Ampacity ..... 18.2 A  
 Max Fuse Size ..... 20A  
 Max Starting Current ..... 5.2 A

**Input Power**

Cooling ..... 1.04 kW  
 Heating ..... 1.15 kW

**Running Current**

Cooling ..... 4.8 A  
 Heating ..... 5.2 A

**Capacity**

Nominal Cooling ..... 15,000 Btu  
 Min-Max Cooling ..... 3,100-18,400 Btu/h  
 Nominal Heating ..... 18,000 Btu/h  
 Min-Max Heating ..... 3,100-23,900 Btu/h

**Compressor**

Compressor ..... Rotary (inv x1)  
 Motor Output ..... 1,000 W  
 Refrigerant ..... R410a  
 Charge ..... 3 lbs. 1 oz  
 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 ..... 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)  
 Fin Pitch ..... 20 FPI (C) Main 21 FPI Sub 18 FPI (E)  
 Rows x Stages ..... 2 x 28 (C) Main 3 x 24 Sub 1 x 10 (E)  
 Pipe Type (Material) ..... Copper (C) Copper (E)  
 Fin Type (Material) ..... Aluminum (C) Aluminum (E)

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 (21.1°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. 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**

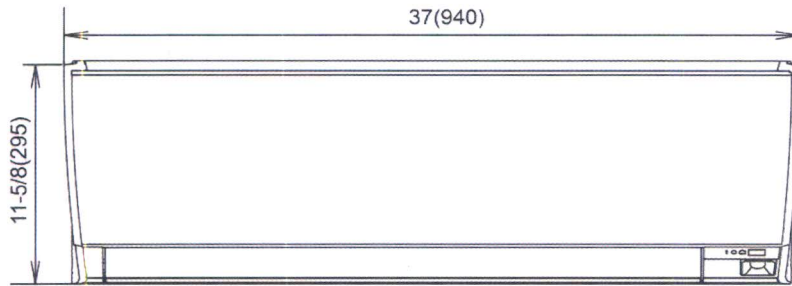
Outdoor ..... 88 lbs (40 kg)  
 Indoor ..... 31 lbs (14 kg)

**Accessories**

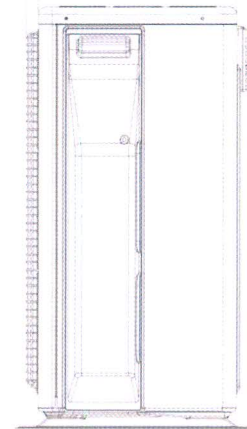
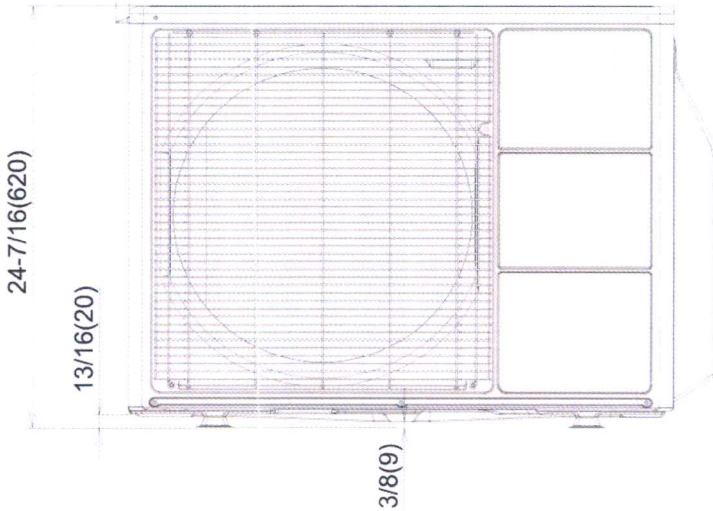
Wired Remote Controller ..... UTY-RVNUM  
 Wired Remote Controller ..... UTY-RNNUM  
 Simple Remote Controller ..... UTY-RSNUM  
 Communication Kit ..... UTY-TWBXF1  
 External Connection Kit ..... UTY-XWZXZ5

## Dimensions: 15RLS3H

[Unit: in. (mm)]



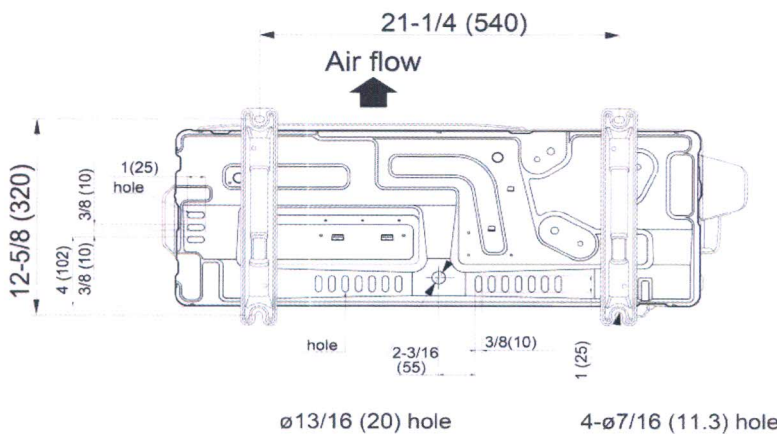
3/4(19)      31-1/8(790)      2-5/8(67)      11/16(18)      11-5/16(288)      7/8(23)



Front view

Side view

Air flow



ø13/16 (20) hole

4-ø7/16 (11.3) hole

Bottom view

