

**Submittal Data: 12RLS3**

**12,000 BTU Heat Pump System**

**Inverter Driven Heat Pump**

Job Name: Janine Blatt  
 Location: 122 Central Ave, B  
 Engineer: Peaks Island  
           n/a  
 Submitted to: City of Portland  
 Submitted by: Hoggin Energy  
 Reference: n/a

Date: \_\_\_\_\_  
 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 timer

**Model Information**

Outdoor..... AOU12RLS3  
 Indoor..... ASU12RLS3

**Electrical**..... 208/230V AC 1ph-60Hz  
 Available Voltage Range..... 208/230 +/- 10%  
 Minimum Circuit Ampacity..... 13.4 A  
 Max Fuse Size..... 15A  
 Max Starting Current..... 4.7 A

**Input Power**

Cooling..... 0.79 kW  
 Heating..... 1.01 kW

**Running Current**

Cooling..... 3.8 A  
 Heating..... 4.7 A

**Capacity**

Nominal Cooling..... 12,000 Btu  
 Min-Max Cooling..... 3,100-13,600 Btu  
 Nominal Heating..... 16,000 Btu  
 Min-Max Heating..... 3,100-22,000 Btu

**Compressor**

..... Rotary (inv x1)  
 Motor Output..... 850 W  
 Refrigerant..... R410a  
 Charge..... 2 lbs. 14 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..... -5°F (-21°C) to 75°F (24°C)

**Efficiency**

SEER..... 29.3  
 EER (cooling)..... 4.46 kW/kW  
 COP (heating)..... 4.64 kW/kW / 15.8 Btu/hk W  
 HSPF (heating)..... 14.0 Btu/hW

**Enclosure**

Condenser  
 Material..... Painted galvanized steel  
 Color..... Beige (10 YR 7.5/1.0 NN)  
 Evaporator  
 Material..... Polystyrene  
 Color..... White (Approximate color of Munsell 5PB 9.25/0.5)

**Sound Pressure Level**

Outdoor..... 47 dB(A)  
 Indoor..... 42 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..... 3/8" / 9.52 mm Flare  
 Method (Liquid/Gas)..... Brazing  
 Max Length (Pre-charge)..... 65 ft. (20 m) / (49 ft. {15 m})  
 Max Height Difference..... 49 ft. (15 m)

**Drain Hose**

In. (mm)..... Ø 9/16 (Ø13.8) (I.D.) Ø5/8 to Ø11/16 (Ø15.8 to Ø16.7) (O.D.)

**Weight**

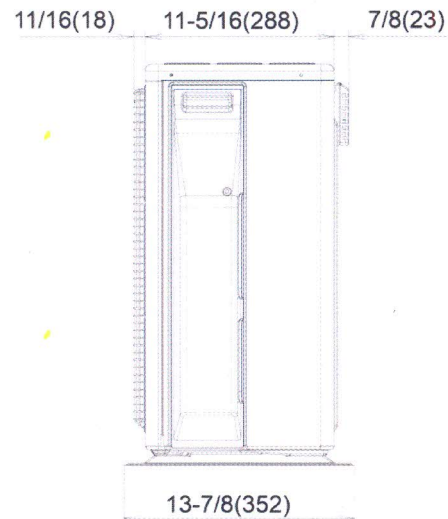
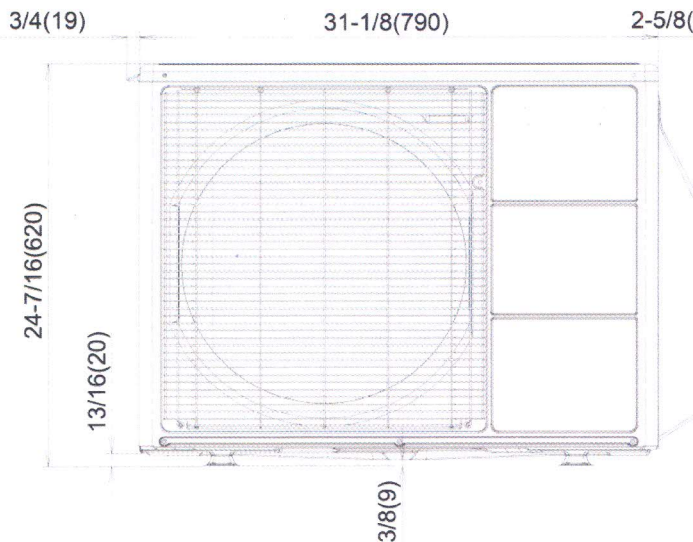
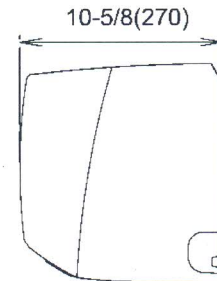
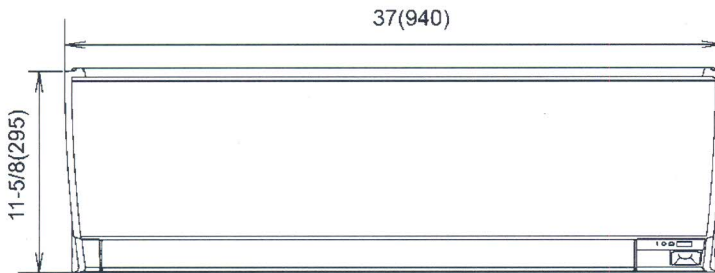
Outdoor..... 84 lbs (38 kg)  
 Indoor..... 31 lbs (14 kg)

**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

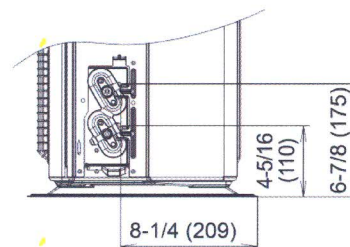
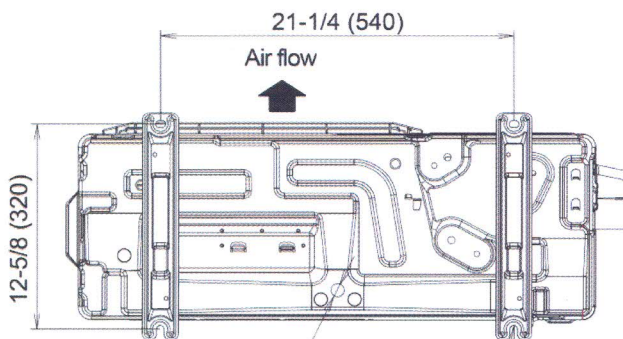
## Dimensions: 12RLS3

[Unit: in. (mm)]



Front view

Side view



Drain pipe mounting place (Ø13/16 (20))

4-Ø7/16 (11.3) hole

Bottom view