

**Submission Data: 9RL2  
Inverter Driven Heat Pump**

**9,000 BTU Heat-Pump System**

Job Name: \_\_\_\_\_

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

Location: \_\_\_\_\_

Approval: \_\_\_\_\_

Engineer: \_\_\_\_\_

Construction: \_\_\_\_\_

Submitted to: \_\_\_\_\_

Unit #: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Drawing #: \_\_\_\_\_

Reference: \_\_\_\_\_

**General Features**

- Refrigerant Type R410A.
- Wireless remote controller
- Automatic airflow adjustment
- Auto/Cool/Dry/Fan/Heat/modes
- Program timer
- Powerful mode
- Auto changeover
- Low ambient
- Cold prevention
- Standard Warranty: 5 years parts, 7 years compressor. Applies to systems purchased before June 1<sup>st</sup> 2015\*
- Extended Warranty: 10 years parts, 10 years compressor. Systems that have been installed on or after June 1<sup>st</sup> 2015 by licensed contractors and the online Product Registration has been submitted.\*\*
- Elite Contractor Extended Warranty: 12 years parts, 12 years compressor. Systems that have been installed on or after June 1<sup>st</sup> 2015 by contractors who have met requirements and have been approved for elite contractor status plus, the online Product Registration has been submitted.\*\*\*



**Model Information**

Condenser..... AOU9RL2  
Evaporator..... ASU9RL2

**Electrical**..... 115 V AC 1ph-60Hz

Available Voltage Range..... 103.5 - 126.5 V +/- 10%

Max Fuse Size..... 15 A

Max Operating Current

Evaporator..... 1.0 A

Condenser..... 13.5 A

Input Power

Cooling..... 0.83 kW

Heating..... 0.77 kW

Running Current

Cooling..... 7.5 A

Heating..... 7.0 A

**Capacity**

Nominal Cooling..... 9,000 Btu/h

Min-Max Cooling..... 1,700 – 10,700 Btu/h

Nominal Heating..... 10,000 Btu/h

Min-Max Heating..... 1,700 – 12,000 Btu/h

**Compressor**..... Rotary x1

Motor Output..... 700 W

Refrigerant..... R410a

Charge..... 1 lbs. 7 oz.

Oil..... VG74

**Fan Motor**

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

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

Motor Output (condenser)..... 23 W

Motor Output (evaporator)..... 28 W

**Heat Exchanger**

Condenser

(H x W x D) in. (mm)..... 19-27/32 x 25-19/32 x 23/32 (504x650x18.2)

Fin Pitch..... 19 FPI

Rows x Stages..... 1x 24

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

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

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)

(\*Standard warranty / \*\*10 year warranty / \*\*\*12 year warranty)

**Operation Temperature Range**

Cooling..... 15°F to 115°F (-10°C - 46°C)

Heating..... 15°F to 75°F (-10°C - 24°C)

**Efficiency**

SEER..... 16.0

EER (cooling)..... 10.8

COP (heating)..... 13.0

HSPF (heating)..... 9.0

**Enclosure**

Material..... Painted galvanized steel

Color

Condenser..... Beige (10 YR 7.5/1.0 NN)

Evaporator..... White

**Sound Pressure Level**

Condenser (max)..... 48 dB(A)

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

**Dimensions**

H x W x D

Condenser in. (mm)..... 21-1/4 x 26 x 11-11/32 in. (540x660x290)

Evaporator in. (mm)..... 10-3/32 x 24 x 13/16 x 25/32 (256x630x20)

**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..... 64 lbs. (29 kg)

Evaporator..... 16 lbs. (7 kg)

**Safety Devices**

Circuit Protection

Current fuse (main printed circuit board).... 25A/250V / 3.15A/250V / 3.15A/250V

Fan Motor Protection

Terminal protection program..... Off: 302°F (150°C) On: 248°F (120°C)

Compressor Protection

Terminal protection program (comp. temp.)..... Off: 230°F (110°C) On: After 7 minutes

**Intertek®ETL Number**

AOU9RL2..... 91986

ASU9RL2..... 91986



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## Dimensions: 9RL2

[Unit: in. (mm)]

