

## Submittal Data: 12RLS3 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

- Wired or wireless remote
- Energy saving program
- High performance heating
- Sleep timer
- 24-hour timer
- Weekly timer
- Dry mode
- Powerful mode
- 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..... AOU12RLS3

Evaporator..... ASU12RLS3

**Electrical**..... 208/230V AC 1ph-60Hz

Available Voltage Range..... 208/230 +/- 10%

Minimum Circuit Ampacity..... 13.4 A

Max Fuse Size..... 15 A

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 x1

(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 (19.4°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 (8.3°C) DB/43°F (6.1°C) WB.

Pipe length: 24ft. (7.3m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit)

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



### 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

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

Condenser..... 47 dB (A)

Evaporator..... 42 dB (A)

### Dimensions (H x W x D)

Condenser in. (mm)..... 24-1/2 (620) x 31-1/8 (790) x 11-7/16 (290)

Evaporator 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

Condenser..... 84 lbs. (38 kg)

Evaporator..... 31 lbs. (14 kg)

### Accessories

UTY-RNNUM^..... Wired remote control

UTY-RVNUM^..... Wired remote control (backlit, shows room temp.)

UTY-RSNUM^..... Wired remote control (simple)

UTY-XWZXZ5..... Dry contract kit

UTY-TWBXF1..... Interface kit

### Intertek®ETL Number

AOU12RLS3..... 91986

ASU12RLS3..... 91986

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

