

**Submission Data: 18RLXFW  
Inverter Driven Heat Pump**

**18,000 BTU Wall Mount**

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

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

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

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

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

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

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

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

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

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

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

**General Features**

- Wired or wireless remote
- Apple catchin filter
- Ion deodorizing filter
- Auto louver: up/down
- Auto louver: 4-way
- Low ambient cooling
- Cold prevention
- Sleep timer
- 24-hour timer
- Blue fin coating
- 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..... AOUI8RLXFW

Evaporator..... ASU18RLF

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

Available Voltage Range..... 187 - 253 V +/- 10%

Max Fuse Size..... 20 A

Max Operating Current..... 0.3 A

Evaporator..... 14.5 A

Condenser..... 14.5 A

Input Power..... 1.35 kW

Cooling..... 1.80 kW

Heating..... 1.80 kW

Running Current..... 6.2 A

Cooling..... 8.0 A

Heating..... 8.0 A

**Capacity**.....

Nominal Cooling..... 18,000 Btu/h

Min-Max Cooling..... 7,000 – 23,000 Btu/h

Nominal Heating..... 21,600 Btu/h

Min-Max Heating..... 7,000 – 29,000 Btu/h

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

Motor Output..... 2,100 W

Refrigerant..... R410a

Charge..... 4 lbs. 10.1 oz.

Oil..... POE (RB68)

**Fan Motor**.....

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

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

Motor Output (condenser)..... 100 W

Motor Output (evaporator)..... 64 W

**Heat Exchanger**.....

Condenser.....

(H x W x D) in. (mm)..... 31-7/16 x 35-7/16 x 1-7/16 (798x900x36.4)

Fin Pitch..... 20 FPI

Rows x Stages..... 2 x 38

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

Fin Type (Material)..... Aluminum (Blue Fin)



**Operation Temperature Range**

Cooling..... 14°F to 115°F (-10°C - 46°C)

Heating..... 5°F to 75°F (-15°C - 24°C)

**Efficiency**

SEER..... 22.0

EER (cooling)..... 13.3

COP (heating)..... 12.00

HSPF (heating)..... 10.0

**Enclosure**

Material..... Polystyrene

Evaporator..... Painted galvanized steel

Condenser..... Painted galvanized steel

Color.....

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

Evaporator..... White

**Sound Pressure Level**

Condenser (max)..... 49 dB(A)

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

**Dimensions**

H x W x D.....

Condenser in. (mm)..... 32-3/4 x 35-3/8 x 13 (830x900x330)

Evaporator in. (mm)..... 12-5/8 x 39-1/4 x 9 (320x998x228)

**Connection Pipe**

Liquid..... Ø3/8 in. (Ø9.52 mm)

Gas..... Ø5/8 in. (Ø15.88 mm)

Method (Liquid/Gas)..... Flare

Max Length {(Pre-charge)}..... 164 ft. (50 m) {(66 ft.) (20 m)}

Max Height Difference..... 98 ft. (30 m)

**Weight**

Condenser..... 135 lbs. (61 kg)

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

**Accessories**

UTY-RNNUM..... Wired remote control

UTY-RVNUM..... Wired remote control

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

UTY-XWZXZ5..... Dry contact wire kit

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)



## Dimensions: 18RLXFW

[Unit: in. (mm)]

