

## Submittal Data:30RLXB Inverter Driven Heat Pump

30,000 BTU Heat Pump System

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

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

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

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

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

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

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

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

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

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

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

### General Features

- Refrigerant Type R410A.
- Extra long piping allotment
- Wired and wireless remote controllers
- Double swing automatic
- Automatic airflow adjustment
- Economy operation
- 5- Years Parts, 7-Years Compressor Warranty (See Warranty Statement for details)
- 24 hr. Timer

### Model Information

Outdoor..... AOU30RLXB  
Indoor..... ASU30RLXB

**Electrical**..... 208/230V AC 1ph-60Hz  
Available Voltage Range..... 208/230 +/- 10%  
Minimum Circuit Ampacity..... 23.3 A  
Max Fuse Size..... 30A  
Max Starting Current..... 13.8 A

### Input Power

Cooling..... 3.16 kW  
Heating..... 2.80 kW

### Running Current

Cooling..... 13.8A  
Heating..... 12.3A

### Capacity

Nominal Cooling..... 30,000 Btu/h  
Min-Max Cooling..... 9,90000 – 32,400 Btu/h  
Nominal Heating..... 30,000 Btu/h  
Min-Max Heating..... 8,000 – 33,000 Btu/h

**Compressor**..... Rotary (inv x1)  
Motor Output..... 2,100 W  
Refrigerant..... R410a  
Charge..... 4lbs. 10.1oz  
Oil..... POE (RB68)

### Fan Motor

(Condenser) Type: DC ..... Propeller x1  
(Condenser) Motor Output..... 100 W  
(Evaporator) Type: DC..... Cross flow fan x1  
(Evaporator) Motor Output..... 42 W  
Thermal Protection (On)..... 248 ± 27°F (120 ± 15°C)  
Evaporator (Off)..... 302 ± 27°F (150 ± 15°C)  
Condenser (On) 248 ± 27°F (120 ± 15°C) / (Off) 302 ± 27°F (150 ± 15°C)

### Heat Exchanger

Dimensions  
(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)..... Copper  
Fin Type (Material)..... 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)



### Operation Temperature Range

Cooling..... 14°F (-10°C) - 115°F (-46°C)  
Heating..... 5°F (-15°C) - 75°F (-24°C)

### Efficiency

SEER..... 16.5  
EER (cooling)..... 2.78 kW/kW  
COP (heating)..... 3.14 kW/kW / 10.7 Btu/hW  
HSPF (heating)..... 9.0 Btu/hW

### Enclosure (Condenser)

Material..... Painted galvanized steel  
Color..... Beige (10 YR 7.5/1.0 NN)

### Sound Pressure Level

Outdoor..... 47 dB(A)  
Indoor..... 49 dB(A)

### Dimensions

H x W x D  
Outdoor in. (mm)..... 32-11/16 x 35-7/16 x 13 (830x900x330)  
Indoor in. (mm)..... 12-10/16 x 39-5/16 x 9 (320x998x228)

### Connection Pipe

Liquid..... 3/8"  
Gas..... 5/8"  
Method (Liquid/Gas)..... Brazing  
Pre-charge..... 66 ft. (20m)  
Minimum Length..... 16 ft. (5m)  
Max Length (Pre-charge)..... 164 ft. (50m) / (65 ft. {20m}) 0.43oz / ft. over 66 ft.  
Max Height Difference..... 98 ft. (30m)

### Weight

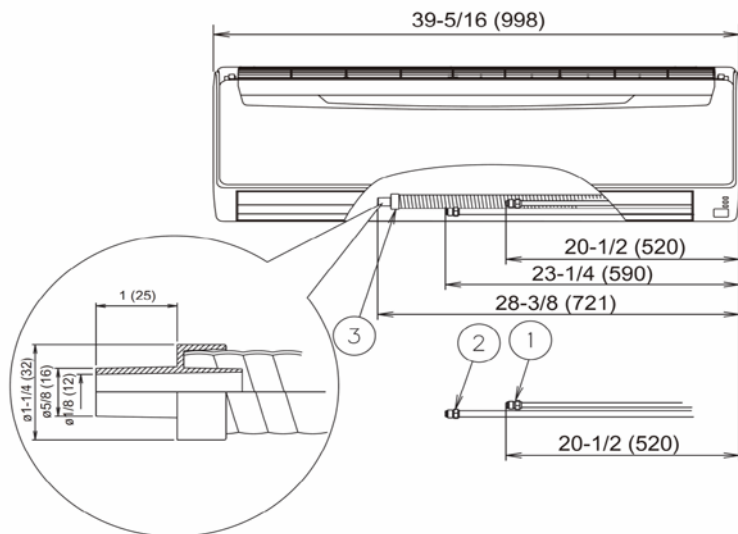
Outdoor..... 134 lbs. (61kg)  
Indoor..... 31 lbs. (14kg)

### Accessories

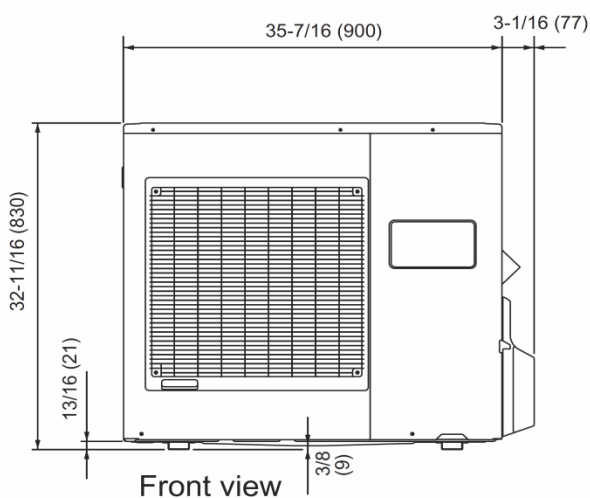
Wired Remote Controller..... UTY-RVNUM  
Wired Remote Controller..... UTY-RNNUM  
Simple Remote Controller..... UTY-RSNUM

## Dimensions:30RLXB

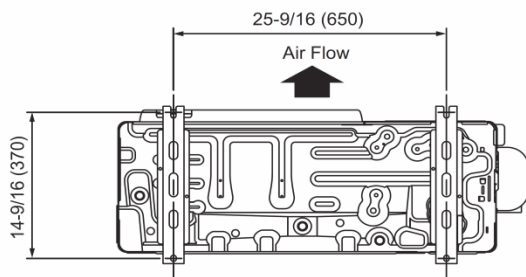
[Unit: in. (mm)]



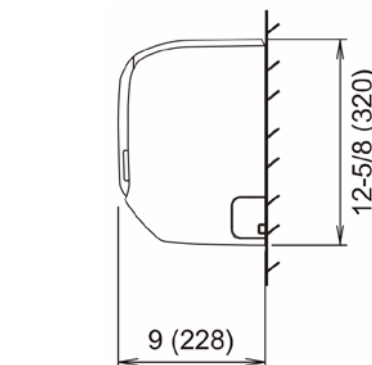
Top view



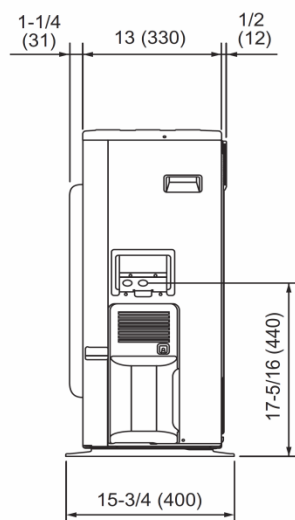
Front view



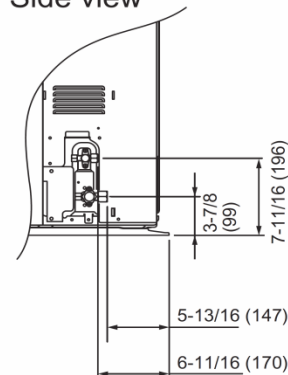
Bottom view



Side view



Side view



Side view