

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

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

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

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

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

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

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

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

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

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

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

**General Features**

- Refrigerant Type R410A.
- Wired remote controllers
- 4-way air distribution
- Pump Down Operation
- Group control
- 2- Years Parts, 6-Years Compressor Warranty (See Warranty Statement for details)
- 24 hr. Timer



**Operation Temperature Range**

Cooling..... 0°F - 115°F (-18°C - 46°C)  
Heating..... 0°F - 75°F (-18°C - 24°C)

**Efficiency**

SEER..... 15.0  
HSPF (heating)..... 8.5 Btu/hW

**Enclosure**

(Condenser) Material..... Steel  
(Condenser) Color..... Beige (approximate color or Munsell 10 YR 7.5/1.0)  
(Cassette) Material..... Polystyrene  
(Cassette) Color..... White (5Y9/0.5NN)

**Sound Pressure Level**

Condenser..... 55 dB(A)  
Cassette..... 50 dB(A)

**Dimensions**

H x W x D  
Condenser in. (mm)..... 50-25/32 x 35-7/16 x 13 (1290x900x330)  
Cassette in. (mm)..... 11-21/32 x 32-11/16 x 32-11/16 (296x830x830)

**Connection Pipe**

Liquid..... 3/8"  
Gas..... 5/8"  
Method (Liquid/Gas)..... Brazing  
Pre-charge..... 66 ft. (20 m)  
Minimum Length..... 16 ft. (5 m)  
Max Length..... 230 ft. (70 m)  
Max Height Difference..... 98 ft. (30 m)  
Internal Drain Pump Lift..... 31"

**Weight**

Condenser..... 231 lbs. (105 kg)  
Cassette..... 88 lbs. (40 kg)

**Accessories**

Wired Remote Controller..... UTY-RNBYU

**Safety Devices**

(Condenser) Current Fuse on Main PCB..... 3.15A 250V & 5 A 250V  
Compressor Protection (Thermal protector)..... off: 257°F on: 176°F  
High Pressure Protection..... off: 609±15psi on: 464±22psi  
(Evaporator) Current Fuse on Main PCB..... 3.15A 250V

**Intertek®ETL Number**

AOU42RLX..... 91987  
AOU42RCLX..... 91987

**Model Information**

Condenser..... AOU42RLX  
Cassette..... AOU42RCLX

**Electrical**..... 208/230V AC 1ph-60Hz  
Available Voltage Range..... 187/253 +/- 10%  
Max Fuse Size..... 30 A  
Max Starting Current..... 15 A

**Input Power**

Cooling..... 4.66 kW  
Heating..... 4.31 kW

**Running Current**

Cooling..... 20.3 A  
Heating..... 18.8 A

**Capacity**

Nominal Cooling..... 42,700 Btu/h  
Rated / Max Cooling..... 42,700 / 45,000 Btu/h  
Nominal Heating..... 45,200 Btu/h  
Rated / Max Heating..... 45,200 / 54,600 Btu/h

**Compressor**..... DC Twin Rotary (Inverter)  
Motor Output..... 2,500 W  
Refrigerant..... R410a  
Charge..... 7 lbs. 7-15/16 oz.  
Oil..... POE

**Fan Motor**

(Condenser) Type: DC ..... Propeller x2  
(Condenser) Motor Output..... 100 W x2  
(Cassette) Type: DC..... Turbo x2  
(Cassette) Motor Output..... 100 W

**Thermal Protection**

Condenser..... 302±9°F  
Cassette..... 302±9°F

**Heat Exchanger**

Condenser  
(H x W x D) in. (mm)..... 49-19/32 x 35-7/16 x 1-7/16 (1260x900x36.38)  
Fin Pitch..... 20 FPI  
Rows x Stages..... 2 x 60 (22 + 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 (21.1°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. (7m), Height difference: 0ft. (0m) (Outdoor unit - indoor unit)



# Dimensions:42RCLX

[Unit: in. (mm)]

