

Submittal Data: 36RLXFZH

36,000 BTU Multi-Zone System

Inverter Driven Heat Pump

Job Name: Robert O'Brien

Date: 12/6/16

Location: 50 Maple Street, Peaks Island

Approval: _____

Engineer: n/a

Construction: _____

Submitted to: City of Portland

Unit #: _____

Submitted by: Joggin Energy

Drawing #: _____

Reference: n/a

General Features

- Wired or wireless remote
- Apple catechin filter
- Ion deodorizing filter
- Auto louver: up/down
- Auto louver: 4-way
- Low ambient cooling
- Blue fin coating
- Standard Warranty: 5 years parts, 7 years compressor. Applies to systems purchased before June 1st 2015*
- Extended Warranty: 10 years parts, 10 years compressor. Systems that have been installed on or after June 1st 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 1st 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.....	AOU36RLXFZH
Evaporator.....	(ARU) / (AGU) / (AUU) / (ASU) 7, 9, 12, 18, 24RLF(1)
Connectable indoor units.....	2 - 4
Total capacity range.....	27,000 – 39,000 Btu/h
Electrical	208/230V AC 1ph-60Hz
Available Voltage Range.....	208/230 +/- 10%
Minimum Circuit Ampacity.....	31.5 A
Max Fuse Size.....	40 A
Current	
Starting Current.....	12.9 A
Operating Current.....	26.0 A
Cooling..... (non-duct) 11.9 A / (ducted) 12.9 A / (mix) 12.4 A	
Heating..... (non-duct) 11.8 A / (ducted) 12.1 A / (mix) 11.8 A	
Input Power	
Cooling..... (non-duct) 3.52 kW / (ducted) 3.92 kW / (mix) 3.71 kW	
Heating..... (non-duct) 3.00 kW / (ducted) 3.22 kW / (mix) 3.11 kW	
Capacity	
Nominal Cooling.....	35,200 Btu/h
Min-Max Cooling.....	12,000 – 39,000 Btu/h
Nominal Heating.....	36,400 Btu/h
Min-Max Heating.....	12,000 – 42,000 Btu/h
Compressor	DC Twin Rotary (inv x1)
Motor Output.....	2,100 W
Refrigerant.....	R410a
Pre-Charge.....	8 lbs. 13 oz.
Oil.....	RB68
Fan Motor	
Type: DC (condenser).....	Propeller x1
Motor Output (condenser).....	100 W
Type: DC (evaporator).....	(wall-mount) Cross flow (compact cassette) Turbo (ducted) Sirocco x2 (18 k x3) (floor) Cross flow x2
Motor Output (Evaporator).....	(wall) 30-42W (compact cassette) 54W (ducted) 80-81W (floor) 16W
Heat Exchanger	
Dimensions (condenser) (H x W x D) in. (mm).....	38-1/16 x 36-5/16 x 2-3/16 (966x922x55)
Fin Pitch.....	1.45 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 (-10°C) - 115°F (46°C)
Heating.....	-15°F (-26°C) - 75°F (24°C)

Efficiency

SEER ^{min}	20.0 (wall-mount) 18.0 (duct) 19.0 (mix)
EER (cooling).....	13.0 Btu/W (wall-mount) 12.0 Btu/W(duct) 12.5 Btu/W(mix)
COP (heating).....	4.00 W/W (wall-mount) 3.88 W/W (duct) 3.94 W/W(mix)
HSPF (heating).....	10.3 (wall-mount) 9.3 (duct) 9.8 (mix)

Enclosure (condenser)

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

Sound Pressure Level

Cooling.....	53 dB(A)
Heating.....	55 dB (A)

Dimensions

H x W x D (condenser)	
Net in. (mm).....	39-5/16 x 38-3/16 x 14-9/16 (998x970x370)
Gross in. (mm).....	45-3/4 x 45-1/4 x 18-13/16 (1,162x1,150x478)

Connection Pipe

Liquid.....	1/4" (6.35 mm) x4
Gas.....	3/8" (9.52 mm) x3 + 1/2" (12.70 mm) x1
Method (Liquid/Gas).....	Brazing
Pre-charge length (Total).....	164 ft. (50m)
Max length (Total).....	230 ft. (70m)
Max length (Each).....	82 ft. (25m)
Min. length (Total).....	49 ft. (15m)
Min length (Each).....	16 ft. (5m)
Max Height Difference.....	49 ft. (15m)

Weight

Condenser.....	205 lbs. (93kg)
Evaporators.....	(wall-mount) 19 lbs. - 31 lbs. (compact cassette) 33 lbs. (ducted) 37 lbs. - 49 lbs. (floor) 31 lbs.

Accessories

UTY-RVNUM.....	Wired remote control (backlit, displays room temp.)
UTY-RNNUM.....	Wired remote control
UTY-RSNUM.....	Wired remote control (simple)

Intertek® ETL Number

AOU36RLXFZH.....	91987
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Reference brochure for approved combinations. **Test conditions are based on AHRI 210-240.
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 (8.33°C) DB/43°F (6.11°C) WB. Pipe length: 24ft. 6in. (7.5m). Height difference: 0ft. (0m) (Outdoor unit – indoor unit)
*Standard warranty **10 year warranty ***12 year warranty



Dimensions: 36RLXFZH

[Unit: in. (mm)]

