

Submittal Data: 24RLXFZH
Inverter Driven Heat Pump

24,000 BTU Multi-Zone System

Job Name: Lori Austill - main home
 Location: 450 Summit Street
 Eng neer: n/a
 Submitted to: City of Portland
 Submitted by: Hoggin Energy
 Reference: n/a

Date: 7-19-16
 Approval: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

General Features

- Refrigerant Type R410A.
- Extra long piping allotment
- Wired and wireless remote controllers
- Automatic airflow adjustment
- Economy operation
- Base fan heater
- 5- Years Parts, 7-Years Compressor Warranty (See Warranty Statement for details)
- 24 hr. Timer
- Low operating temperature

Model Information

Condenser..... AOU24RLXFZH
 Evaporator*1..... (ASU) / (ARU) / (AGU) / (AUU) 7,9,12RLF(1)
 Connectable indoor units..... 2 - 3
 Total capacity range..... 14,000 – 27,000 Btu/h

Electrical
 Available Voltage Range..... 208/230V AC 1ph-60Hz
 Minimum Circuit Ampacity..... 25.1 A
 Max Fuse Size..... 30 A
 Max Starting Current..... 8.3 A

Input Power

Cooling..... (non-duct) 1.65 kW / (ducted) 1.81 kW / (mix) 1.74 kW
 Heating..... (non-duct) 1.81 kW / (ducted) 1.89 kW / (mix) 1.85 kW

Current

Cooling..... (non-duct) 7.2 A / (ducted) 7.9 A / (mix) 7.6 A
 Heating..... (non-duct) 7.9 A / (ducted) 8.3 A / (mix) 8.1 A

Capacity

Nominal Cooling..... 22,000 Btu/h
 Min-Max Cooling..... 6,100 – 27,000 Btu/h
 Nominal Heating..... 25,000 Btu/h
 Min-Max Heating..... 6,800 – 29,800 Btu/h

Compressor

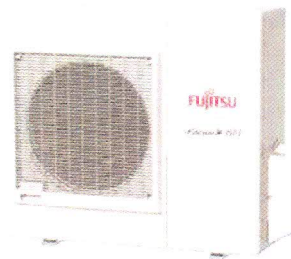
Compressor..... Rotary (inv x1)
 Motor Output..... 2,100 W
 Refrigerant..... R410a
 Charge..... 4 lbs. 14 oz
 Oil..... RB68

Fan Motor

(Condense) Type: DC..... Propeller x1
 (Condense) Motor Output..... 100 W
 (Evaporator) Type: DC..... (wall-mount) Cross flow
 (compact cassette) Turbo
 (ducted) Sirocco
 (floor) Cross flow x2
 (Evaporator) Motor Output..... (wall) 30W-42W (compact cassette) 54W (ducted) 80-81W
 (floor) 16W

Heat Exchanger

Dimensions
 (H x W x D) in. (mm)..... 31-7/16 x 35-7/16 x 1-7/16 (798x900x36.38)
 Fin Pitch..... 20 FPI
 Rows x Stages..... 2 x 38
 Pipe Type (Material)..... Copper
 Fin Type (Material)..... Aluminum



Operation Temperature Range

Cooling..... 14°F - 115°F (-10°C - 46°C)
 Heating..... -15°F - 75°F (-26°C - 24°C)

Efficiency

SEER*2..... (wall-mount) 20 (duct) 18 (mix) 19
 EER (cooling)..... (wall-mount) 13.3 Btu/W (duct) 12.1 Btu/W (mix) 12.7 Btu/W
 COP (heating)..... (wall-mount) 4.04 W/W (duct) 3.87 W/W (mix) 3.96 W/W
 HSPF (heating)..... (wall-mount) 10.3 (duct) 9 (mix) 9.7

Enclosure (Condenser)

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

Sound Pressure Level

Condenser..... 52 dB(A)

Dimensions

H x W x D
 Condenser
 Net in. (mm)..... 32-11/16 x 35-7/16 x 13 (830x900x330)
 Gross in. (mm)..... 38-3/16 x 41-5/16 x 17-1/2 (970x1,050x445)

Connection Pipe

Liquid..... 1/4" x3
 Gas..... 3/8" x2 + 1/2" x1
 Method (Liquid/Gas)..... Brazing
 Max Length (Pre-charge)..... 229ft. (70m) / (98 ft. {30m})
 Max Height Difference..... 49 ft. (15m)

Weight

Condenser..... 146 lbs. (66 kg)
 Evaporators..... (wall-mount) 19 lbs. - 31 lbs.
 (compact cassette) 33 lbs.
 (ducted) 37 lbs. - 49 lbs.
 (floor) 31 lbs.

Accessories

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

*1 Reference brochure for approved combinations *2 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 (19.44°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)