

Submittal Data: 15RLS3H

15,000 BTU Heat Pump System

Inverter Driven Heat Pump

Job Name: Robert Fiske

Date: 9-21-15

Location: 263 York St, Portland

Approval: _____

Engineer: n/a

Construction: _____

Submitted to: City of Portland

Unit #: _____

Submitted by: Doggin Energy

Drawing #: _____

Reference: n/a

General Features

- Refrigerant Type R410A.
- Human Sensor
- Wired and wireless remote controllers
- Double swing automatic
- Automatic airflow adjustment
- Low noise mode
- Powerful mode
- 5- Years Parts, 7-Years Compressor Warranty (See Warranty Statement for details)
- Program timer
- Weekly time

Model Information

Outdoor..... AOU15RLS3H
Indoor..... ASU15RLS3

Electrical

Available Voltage Range..... 208/230V AC 1ph-60Hz
Minimum Circuit Ampacity..... 208/230 +/- 10%
Max. Fuse Size..... 18.2 A
Max. Starting Current..... 20A
Max. Starting Current..... 5.2 A

Input Power

Cooling..... 1.04 kW
Heating..... 1.15 kW

Running Current

Cooling..... 4.8 A
Heating..... 5.2 A

Capacity

Nominal Cooling..... 15,000 Btu
Min-Max Cooling..... 3,100-18,400 Btu/h
Nominal Heating..... 18,000 Btu/h
Min-Max Heating..... 3,100-23,900 Btu/h

Compressor

Motor Output..... Rotary (inv x1)
Refrigerant..... R410a
Charge..... 3 lbs. 1 oz
Oil..... FREOL a68SZ

Fan Motor

(Condenser) Type: DC..... Propeller x 1
(Condenser) Motor Output..... 49 W
(Evaporator) Type: DC..... Cross flow fan x1
(Evaporator) Motor Output..... 61 W

Heat Exchanger (Condenser (C) Evaporator (E))

Dimensions (H x W x D)
Condenser..... 23-1/8 x 34-11/16 x 1-7/16 in. (588x881x36.4 mm)
Evaporator..... Main 15-1/8 x 28-3/8 x 1-3/16 in. (384x720x30) Sub 3-5/16 x 28-3/8 x 1/2 in. (84x720x13.3 mm) 4-15/16 x 28-3/8 x 1/2 in. (126x720x13.3 mm)
Fin Pitch..... 20 FPI (C) Main 21 FPI Sub 18 FPI (E)
Rows x Stages..... 2 x 28 (C) Main 3 x 24 Sub 1 x 10 (E)
Pipe Type (Material)..... Copper (C) Copper (E)
Fin Type (Material)..... Aluminum (C) Aluminum (E)

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 (8.3°C) DB/43°F (6.1°C) WB.
Pipe length 24ft. 7in. (7.5m). Height difference: 0ft. (0m) (Outdoor unit - indoor unit)



Operation Temperature Range

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

Efficiency

SEER..... 25.3
EER (cooling)..... 4.09 kW/kW
COP (heating)..... 4.59 kW/kW / 15.7 Btu/hW
HSPF (heating)..... 13.4 Btu/hW

Enclosure (Condenser)

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

Sound Pressure Level

Outdoor..... 49 dB(A)
Indoor..... 45 dB(A)

Dimensions

H x W x D
Outdoor in. (mm)..... 24-1/2 (620) x 31-1/8 (790) x 11-7/16 (290)
Indoor in. (mm)..... 11-5/8 (295) x 37 (940) x 10-5/8 (270)

Connection Pipe

Liquid..... 1/4" / 6.35 mm Flare
Gas..... 1/2" / 12.7 mm Flare
Method (Liquid/Gas)..... Brazing
Max Length (Pre-charge)..... 66 ft. (20 m) / (49 ft. {15 m})
Max Height Difference..... 49 ft. (15 m)

Weight

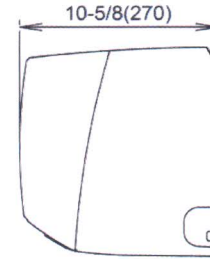
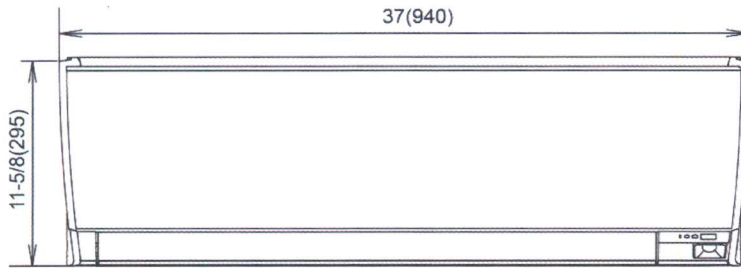
Outdoor..... 88 lbs (40 kg)
Indoor..... 31 lbs (14 kg)

Accessories

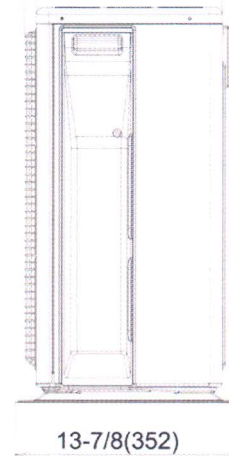
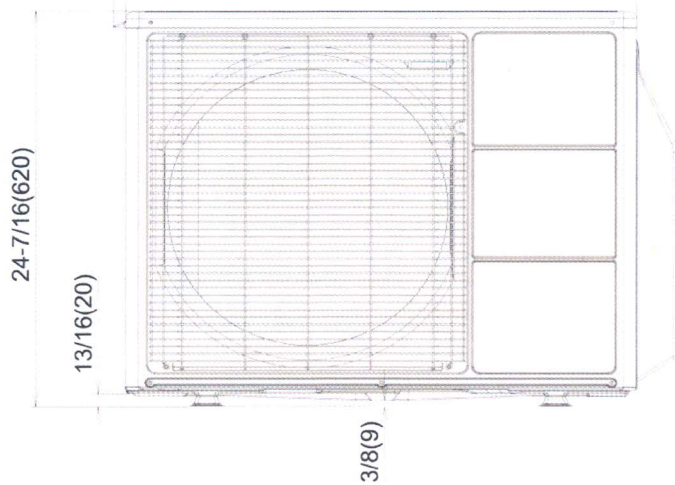
Wired Remote Controller..... UTU-RVNUM
Wired Remote Controller..... UTU-RNNUM
Simple Remote Controller..... UTU-RSNUM
Communication Kit..... UTU-TWBXF1
External Connection Kit..... UTU-XWZXZ5

Dimensions: 15RLS3H

[Unit: in. (mm)]



3/4(19) 31-1/8(790) 2-5/8(67) 11/16(18) 11-5/16(288) 7/8(23)

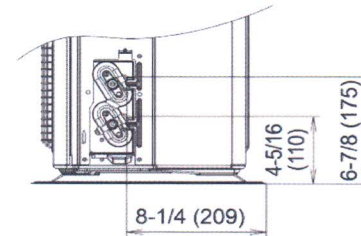
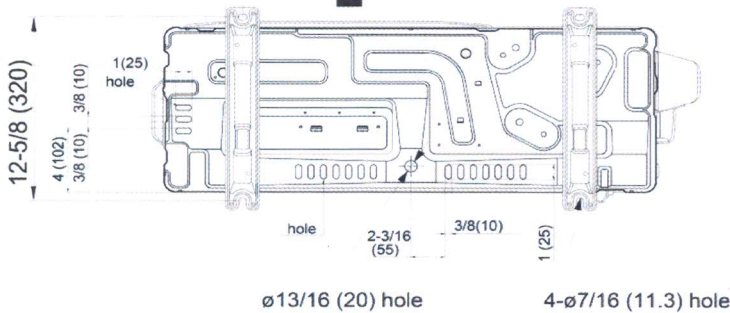


Front view

Side view

21-1/4 (540)

Air flow



Bottom view

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Fujitsu General America, Inc.
 353 Route 46 West
 Fairfield, NJ 07004
 Toll Free: 1-888-888-3424
 Fax: (973) 836-0447
www.fujitsugeneral.com