FUJITSU

Halcyon

Inspections Division
Date: 07/07/15

Submittal Data: 15RLS3 **15,000 BTU Heat-Pump System**
Inverter Driven Heat Pump

Job Name:_____ Date:_____

Location:_____ Approval:_____

Engineer:_____ Construction:_____

Submitted to:_____ Unit #:_____

Submitted by:_____ Drawing #:_____

Reference:_____

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…… AOU15RLS3
Indoor…… ASU15RLS3

Electrical …… 208/230V AC 1ph-60Hz

Available Voltage Range…… 208/230 +/- 10%
Minimum Circuit Ampacity…… 17.2 A
Max Fuse Size…… 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

Compressor …… Rotary (inv x1)

Motor Output…… 1,000 W
Refrigerant…… R410a
Charge…… 3 lbs. 1 oz
Oil…… FREOL α68SZ

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 ½ in. (84x720x13.3 mm) 4-15/16 x 28-3/8 x ½ 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 (19.44°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) to 115°F (46°C)
Heating…… -5°F (-21°C) to 75°F (24°C)

Efficiency

SEER…… 25.3
EER (cooling)…… 4.09 kW/kW
COP (heating)…… 4.59kW/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)…… 65 ft.(20 m) / (49 ft. {15 m})
Max Height Difference…… 49 ft. (15 m)

Weight

Outdoor…… 86 lbs (39 kg)
Indoor…… 31 lbs (14 kg)

Accessories

Wired Remote Controller…… UTY-RVNUM
Wired Remote Controller…… UTY-RNNUM
Simple Remote Controller…… UTY-RSNUM
Communication Kit…… UTY-TWBXF1
External Connection Kit…… UTY-XWZXZ5

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Dimensions: 15RLS3

[Unit: in. (mm)]

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