FUJITSU

Halcyon

Inspections Division
Date: 07/07/15

Submittal Data: 12RLS3 — 12,000 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 timer

Model Information
Outdoor…… AOU12RLS3
Indoor…… ASU12RLS3

Electrical …… 208/230V AC 1ph-60Hz
Available Voltage Range…… 208/230 +/- 10%
Minimum Circuit Ampacity…… 13.4 A
Max Fuse Size…… 15A
Max Starting Current…… 4.7 A

Input Power
Cooling…… 0.79 kW
Heating…… 1.01 kW

Running Current
Cooling…… 3.8 A
Heating…… 4.7 A

Capacity
Nominal Cooling…… 12,000 Btu
Min-Max Cooling…… 3,100–13,600 Btu
Nominal Heating…… 16,000 Btu
Min-Max Heating…… 3,100-22,000 Btu

Compressor…… Rotary (inv x1)
Motor Output…… 850 W
Refrigerant…… R410a
Charge…… 2 lbs. 14 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…… 29.3
EER (cooling)…… 4.46 kW/kW
COP (heating)…… 4.64 kW/kW / 15.8 Btu/hkW
HSPF (heating)…… 14.0 Btu/hW

Enclosure
Condenser
Material…… Painted galvanized steel
Color…… Beige (10 YR 7.5/1.0 NN)
Evaporator
Material…… Polystyrene
Color…… White (Approximate color of Munsell 5PB 9.25/0.5)

Sound Pressure Level
Outdoor…… 47 dB(A)
Indoor…… 42 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…… 3/8" / 9.52 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)
Drain Hose
In. (mm)……Ø 9/16 (Ø13.8) (I.D.) Ø5/8 to Ø11/16 (Ø15.8 to Ø16.7) (O.D.)

Weight
Outdoor…… 84 lbs (38 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

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

Inspections Division
Date: 07/07/15

Dimensions: 12RLS3

[Unit: in. (mm)]

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

The Fujitsu logo is a registered trademark of Fujitsu Limited.
The Halcyon logo and name is a trademark of Fujitsu General America, Inc. Copyright 2014 Fujitsu General America, Inc.
Fujitsu's products are subject to continuous improvements. Fujitsu reserves the right to modify product design, specifications and information in this brochure without notice and without incurring any obligations.