



Submittal Data: ROSH24AXFWJ
Inverter Driven Heat Pump

24,000 BTU Wall Mount

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Wired or wireless remote
- Apple catechin filter
- Ion deodorizing filter
- Auto louver: up/down
- Auto louver: 4-way
- Low ambient cooling
- Cold prevention
- Sleep timer
- 24-hour timer
- Blue fin coating

Model Information

Condenser..... ROSH24AXFWJ
Evaporator..... RIWH24AVFJ

Electrical..... 208/230 V AC 1ph-60HZ

Available Voltage Range..... 187 - 253 V +/- 10%

Max Fuse Size..... 30 A

Max Operating Current (Evaporator)..... 15.5 A

Max Starting Current (Condenser)..... 10.5 A

Input Power

Cooling..... 1.76 kW

Heating..... 1.94 kW

Capacity

Nominal Cooling..... 22,000 Btu/h

Min-Max Cooling..... 9,900 – 27,300 Btu/h

Nominal Heating..... 25,200 Btu/h

Min-Max Heating..... 7,500 – 36,200 Btu/h

Compressor..... Rotary x1

Motor Output..... 2,100 W

Refrigerant..... R410a

Charge..... 4 lbs. 10.1 oz.

Oil..... POE (RB68)

Fan Motor

Type: DC (condenser)..... Propeller x1

Type: DC (evaporator)..... Cross flow fan x1

Motor Output (condenser)..... 100 W

Motor Output (evaporator)..... 53 W

Heat Exchanger

Condenser

(H x W x D) in. (mm)..... 31-7/16 x 35-7/16 x 1-7/16 (798x900x36.4)

Fin Pitch..... 20 FPI

Rows x Stages..... 2 x 38

Pipe Type (Material)..... Grooved H-Pin (Copper)

Type (Material)..... Aluminum (Blue Fin)



Operation Temperature Range

Cooling..... -5°F to 115°F (-20°C - 46°C)

Heating..... -5°F to 75°F (-20°C - 24°C)

Efficiency

SEER..... 19.5 Btu/hW

EER (cooling)..... 3.66 kW/kW

COP (heating)..... 3.80 kW/kW

HSPF (heating)..... 10.6 Btu/hW

Enclosure

Material

Evaporator..... Polystyrene

Condenser..... Painted galvanized steel

Color

Condenser..... Beige (10 YR 7.5/1.0 NN)

Evaporator..... White

Sound Pressure Level

Condenser (max)..... 55 dB(A)

Evaporator (max)..... 49 dB(A)

Dimensions

H x W x D

Condenser in. (mm)..... 32-3/4 x 35-3/8 x 13 (830x900x330)

Evaporator in. (mm)..... 12-5/8 x 39-1/4 x 9 (320x998x228)

Connection Pipe

Liquid..... Ø3/8 in. (Ø9.52 mm)

Gas..... Ø5/8 in. (Ø15.88 mm)

Method (Liquid/Gas)..... Flare

Minimum Length..... 16 ft.

Max Length {(Pre-charge)}..... 164 ft. (50 m) {(66 ft.) (20 m)}

Max Height Difference..... 98 ft. (30 m)

Weight

Condenser..... 135 lbs. (61 kg)

Evaporator..... 31 lbs. (14 kg)

Accessories

RXRNUM..... Wired remote control

RXRVNUM..... Wired remote control

RXRSNUM..... Wired remote control (simple)

RXXWZXZ5..... Dry contact wire kit





Dimensions: ROSH24AXFWJ

[Unit: in. (mm)]

