



Submittal Data: ROSH36AXJ
Inverter Driven Heat Pump

36,000 BTU Wall Mount

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Wireless remote control
- Auto louver: 4-way
- Apple catechin filter
- Auto mode
- Ion deodorizing filter
- Minimum heat mode
- Sleep timer
- Auto restart
- Dry mode
- Power diffuser

Model Information

Condenser..... ROSH36AXJ
Evaporator..... RIWH36AXJ

Electrical..... 208/230V AC 1ph-60Hz
Available Voltage Range..... 208/230 +/- 10%
Minimum Circuit Ampacity..... 23.3 A
Max Fuse Size..... 30A
Max Starting Current..... 17 A

Input Power

Cooling..... 3.88 kW
Heating..... 3.39 kW

Running Current

Cooling..... 17 A
Heating..... 14.8 A

Capacity

Nominal Cooling..... 33,000 Btu/h
Min-Max Cooling..... 9,900 – 34,100 Btu/h
Nominal Heating..... 34,000 Btu/h
Min-Max Heating..... 10,200 – 35,000 Btu/h

Compressor..... Rotary (inv x1)
Motor Output..... 2,100 W
Refrigerant..... R410a
Charge..... 4lbs. 10.1oz
Oil..... POE (RB68)

Fan Motor

(Condenser) Type: DC Propeller x1
(Condenser) Motor Output..... 100 W
(Evaporator) Type: DC..... Cross flow fan x1
(Evaporator) Motor Output..... 65 W
Thermal Protection (On)..... 248 ± 27°F (120 ± 15°C)
Evaporator (Off)..... 302 ± 27°F (150 ± 15°C)
Condenser (On) 248 ± 27°F (120 ± 15°C) / (Off) 302 ± 27°F (150 ± 15°C)

Heat Exchanger

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



Operation Temperature Range

Cooling..... 14°F (-10°C) - 115°F (-46°C)
Heating..... 5°F (-15°C) - 75°F (-24°C)

Efficiency

SEER..... 15.5
EER (cooling)..... 2.50 kW/kW
COP (heating)..... 2.94 kW/kW
HSPF (heating)..... 9.0 Btu/hW

Enclosure (Condenser)

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

Sound Pressure Level

Condenser..... 55 dB(A)
Evaporator..... 50 dB(A)

Dimensions

H x W x D
Condenser in. (mm)..... 32-11/16 x 35-7/16 x 13 (830x900x330)
Evaporator in. (mm)..... 12-10/16 x 39-5/16 x 9 (320x998x228)

Connection Pipe

Liquid..... 3/8"
Gas..... 5/8"
Method (Liquid/Gas)..... Flare
Pre-charge..... 66 ft. (20m)
Minimum Length..... 16 ft. (5m)
Max Length (Pre-charge)..... 164 ft. (50m) / (65 ft. [20m]) 0.43oz / ft. over 66 ft.
Max Height Difference..... 98 ft. (30m)

Weight

Condenser..... 134 lbs. (61 kg)
Evaporator..... 31 lbs. (14 kg)

Accessories

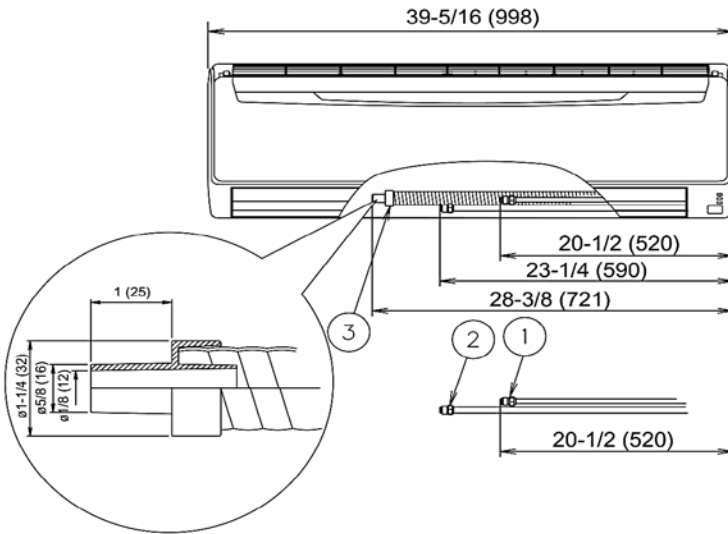
RXRVRNUM..... Wired remote control (backlit, displays room temp.)
RXRRNUM..... Wired remote control
RXRSNUM..... Wired remote control (simple)



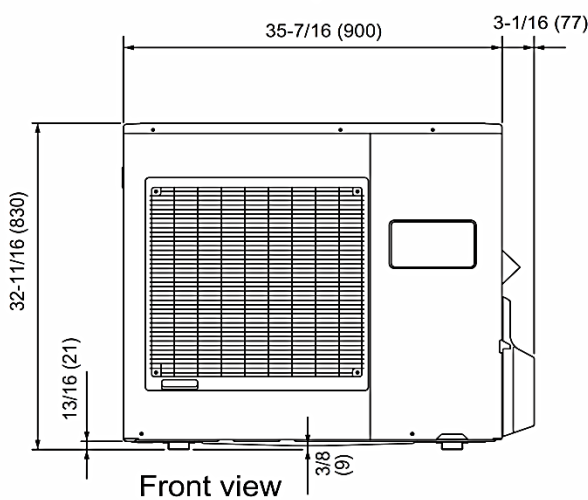


Dimensions: ROSH36AXJ

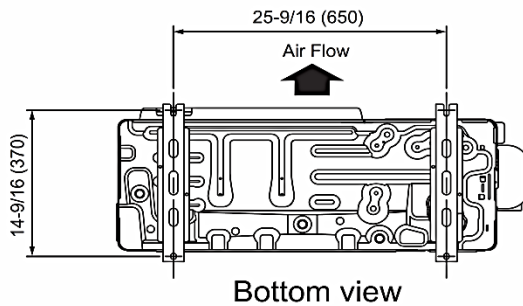
[Unit: in. (mm)]



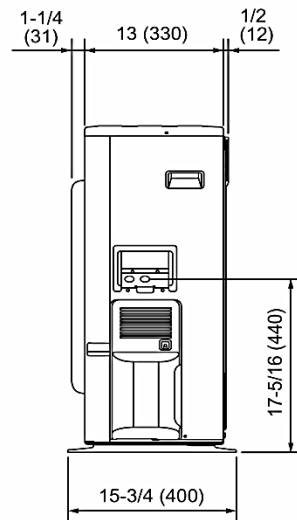
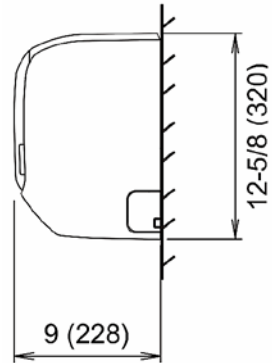
Top view



Front view



Bottom view



Side view

