



**Submittal Data: RIWH18AVFJ
Inverter Driven Heat Pump**

18,000 BTU Wall Mount Type

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Refrigerant Type R410A.
- Wired and wireless remote controllers
- Auto changeover
- Weekly timer
- Removable air filter
- Program timer
- Removable open panel
- Super quiet operation



Model Information

Evaporator..... RIWH18AVFJ
Condenser compatibility..... ROSH18AXFWJ, ROMH24AFXZJ,
ROMH36AFXZJ, ROMH45AFXZJ

Electrical

..... 208/230V AC 1ph-60Hz
Available Voltage Range..... 208/230 +/- 10%
Max Operating Current..... 0.3 A
Input Power 41 W
Running Current..... 0.32 A

Capacity

Nominal Cooling..... 18,000 Btu/h

Fan Motor

Type: DC Cross flow x1
Motor Output..... 42 W
Fan Motor Protection..... off: 302 ± 27°F (150 ± 15°C)
on: 248 ± 27°F (120 ± 15°C)

Airflow Rate

Cooling (High / Medium / Low / Quiet)
542 CFM (920 m3/h) / 436 CFM (740 m3/h) / 365 CFM (620 m3/h) / 324 CFM (550 m3/h)
Heating (High / Medium / Low / Quiet)
542 CFM (920 m3/h) / 436 CFM (740 m3/h) / 365 CFM (620 m3/h) / 324 CFM (550 m3/h)

Heat Exchanger

Dimensions
(H x W x D) in. (mm)..... 15-7/8 x 33-3/4 x 1-1/16 (378x832x26.6)
Fin Pitch..... Main 21 FPI / Sub 18 FPI
Rows x Stages..... Main 2 x18 / Sub 1 x4
Pipe Type (Material)..... Copper
Type (Material)..... Aluminum

Temperature Setting Range

Cooling..... 64°F - 90°F (18°C - 32 °C)
Heating..... 60°F - 88°F (16°C - 30°C)

Enclosure

Material..... Galvanized Steel Sheet

Sound Pressure Level

Cooling
High/Medium/Low/Quiet..... 43 dB (A) / 37 dB (A) / 33 dB (A) / 31 dB (A)
Heating
High/Medium/Low/Quiet..... 44 dB (A) / 37 dB (A) / 33 dB (A) / 31 dB (A)

Dimensions

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

Connection Pipe

Liquid..... 1/4" in. (6.35 mm)
Gas..... 1/2" in. (9.52 mm)
Method (Liquid/Gas)..... Flare
Drain hose Material..... PP + LLDPE
Size..... Ø1/2 (I.D.), Ø5/8 [Ø12 (I.D.), Ø16 O.D.]

Weight

Net..... 31 lbs. (14 kg)
Gross..... 40 lbs. (18 kg)

Accessories

Wired Remote Controller..... RXRNNUM
Backlit Display..... RXRVNUM
Simple Remote Controller..... RXRSNUM
Dry Contact Wire Kit..... RXXWZXZ5
Interface Kit..... RXXCBXZ2



