



## Submittal Data Sheet

R-32 4.0 ton Ducted Concealed Heat Pump SkyAir System

FBA48AAVJU-RZA48AAVJU

## BENEFITS

- Medium external static pressure (ESP) capabilities offer up to 0.8" W.G.
- Connect to Daikin Zoning Kit (Optional)
- Dependable heat pump operation from -4°F in heating to 122°F in cooling
- DC Fan Motor
- Minimal Discharge Air Temperature - mitigate risk of condensation
- Auto Adjusting Airflow at commissioning based on external static pressure
- Ease of Maintenance with complete service access from below
- Built in Refrigerant Detection System with Dispersion Mode

## INDOOR UNIT



## OUTDOOR UNIT





## Submittal Data Sheet

R-32 4.0 ton Ducted Concealed Heat Pump SkyAir System

FBA48AAVJU-RZA48AAVJU

### SYSTEM PERFORMANCE

Indoor Unit Model No.	FBA48AAVJU	Indoor Unit Name:	R-32 4.0 TON HSP DUCTED CONCEALED
Outdoor Unit Model No.	RZA48AAVJU	Outdoor Unit Name:	R-32 SkyAir 4.0 T Heat Pump Single Zone
Rated Cooling Capacity (Btu/hr):	48,000	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Sensible Capacity (Btu/hr):	36,100	Rated Piping Length(ft):	25
		Rated Height Difference (ft):	0.00
Cooling Input Power (kW):	5.390		
SEER2 (Non-Ducted/Ducted):	/ 15.30	HSPF2 (Non-Ducted/Ducted):	/ 9.3
EER2 (Non-Ducted/Ducted):	/ 8.90		
Rated Heating Capacity (Btu/hr):	54,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43

### SYSTEM DETAILS

Refrigerant Type:	R-32	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	7.5	Heating Operation Range (°F WB):	-4 - 60
Additional Charge (oz/ft):	0.04	Max. Pipe Length (Vertical) (ft):	98
Pre-charge Piping (Length) (ft):	25	Cooling Range w/Baffle (°F DB):	23 - 122
Max. Pipe Length (Total) (ft):	230		



# Submittal Data Sheet

R-32 4.0 ton Ducted Concealed Heat Pump SkyAir System

FBA48AAVJU-RZA48AAVJU

## INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	1377/1,130/918
Power Supply Connections:	L1, L2, G		
Min. Circuit Amps MCA (A):	3.6	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	9-11/16 x 55-1/8 x 31-1/2	Condensate Connection (inch):	1-1/4
Ext. Static Pressure (Min/Max) (inWg):	0.2/0.8	Sound Pressure (H/M/L) (dBA):	48/44/39
Net Weight (lb):	106		

## DIMENSIONAL DRAWING - INDOOR UNIT

**Notes:**

- Location of name plate : control box cover
- Make sure to mount an air filter inside air passage of the suction side. (Select dust collection efficiency (gravimetric method) 50% or more.)
- If the temperature and humidity in the ceiling is likely to exceed 96° F(30°C) and RH80%, reinforce thermal insulation by applying additional insulation materials such as glass wool or polyethylene that have thickness of 3/8(10) or more.
- Do not put anything that should not get wet under the indoor unit. Dew may drop when humidity reaches over 80%, drain gets stuck or air filter is clogged.
- Space for service works
  - Provide service space for service work such as check and maintenance of the control box and drain pump by one of the following ways.
    - Inspection hatch 1 and 2 (17-3/4 x 17-3/4) (450x450) (Fig. A-1) and a space of 11-13/16(300mm) or more under the unit. (Fig. A)
    - Inspection hatch 2 is not needed when there is a space for service work under the unit.
    - Inspection hatch 3 under the unit and control box. (View B-2)
      - Provide enough space for maintenance and mount the drain pan and control box.
      - Check the drawing of optional accessories when mounting optional accessories such as filter chamber.

**Unit: in. (mm)**

**Fig. A-1** (Bottom View): Shows inspection hatches 1, 2, and 3, control box, and air inlet/outlet locations.

**Fig. B-1** (View B-1): Shows inspection hatch 3, control box, and air inlet/outlet locations.

**Fig. B-2** (View B-2): Shows inspection hatch 2, control box, and air inlet/outlet locations.

ITEM	PART NAME	REMARK
13	Drain socket	
12	Drain hose (Accessory)	
11	Socket (for maintenance)	0.3 φ1" (φ25)
10	Hanger bracket	For MS-MTD or equivalent
9	Air suction flange	
8	Air discharge flange	
7	Power supply wiring connection	
6	Transmission and remote controller wiring connection	
5	Control box (inside)	
4	Ground terminal (Control box)	MM
3	Drain pipe connection	0.3 φ1-1/4" (φ32)
2	Gas pipe connection	0.5" (φ15.9) Flare connection
1	Liquid pipe connection	0.3" (φ9.5) Flare connection

# Submittal Data Sheet

R-32 4.0 ton Ducted Concealed Heat Pump SkyAir System  
FBA48AAVJU-RZA48AAVJU

## OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, G		
Min. Circuit Amps MCA (A):	34.6	Airflow Rate (H) (CFM):	3000
Max Overcurrent Protection (MOP) (A):	35	Gas Pipe Connection (inch):	5/8
		Liquid Pipe Connection (inch):	3/8
		Sound Pressure (H) (dBA):	56
Dimensions (HxWxD) (in):	34-1/4 x 43-5/16 x 18-1/8		
Net Weight (lb):	234		

## DIMENSIONAL DRAWING - OUTDOOR UNIT

