



Submittal Data Sheet

R32 - 1.5-Ton Roundflow Sensing Cassette Unit

FCA18AAVJU-RZA18AAVJU

FEATURES

- True 360° Airflow and three room sensors enables optimized occupant comfort and efficiency
- 18 different possible airflow patterns, ensuring ideal air distribution to maximize comfort and efficiency
- Dependable heat pump operation from -4°F in heating to 122°F in cooling
- Code Compliant Refrigerant Detection System (RDS) integrated
- Direct Current Fan motor and auto logic that adjusts fan speed based on space load
- Compact design allows for installation in small ceiling voids
- Inverter technology delivers precise temperature control and superior energy efficiency
- Air Conditioning only option with switch on outdoor board
- Optional Outdoor Drain Pan Heater available

BENEFITS

- Compact design to allow for installation in small ceiling voids
- Long piping lengths allow layout flexibility
- 10-year parts limited warranty for residential/commercial applications
- Refrigerant Leak Detection integration with ventilation, dampers, alarms and monitoring systems
- Optional self-cleaning filter panel for filtration efficiency and low maintenance costs
- High Efficiency filter options
- Ventilation connection kit available

INDOOR UNIT



OUTDOOR UNIT





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SYSTEM PERFORMANCE

Indoor Unit Model No.	FCA18AAVJU	Indoor Unit Name:	R32 - 1.5-Ton Roundflow Sensing Cassette Unit
Outdoor Unit Model No.	RZA18AAVJU	Outdoor Unit Name:	R-32 SkyAir 1.5 T Heat Pump Single Zone
Rated Cooling Capacity (Btu/hr):	18,000	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Sensible Capacity (Btu/hr):	16,100	Rated Piping Length(ft):	25
		Rated Height Difference (ft):	0.00
Cooling Input Power (kW):	1.290		
SEER2 (Non-Ducted/Ducted):	19.50 /	HSPF2 (Non-Ducted/Ducted):	9.2 /
EER2 (Non-Ducted/Ducted):	14.00 /		
Rated Heating Capacity (Btu/hr):	20,000	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		

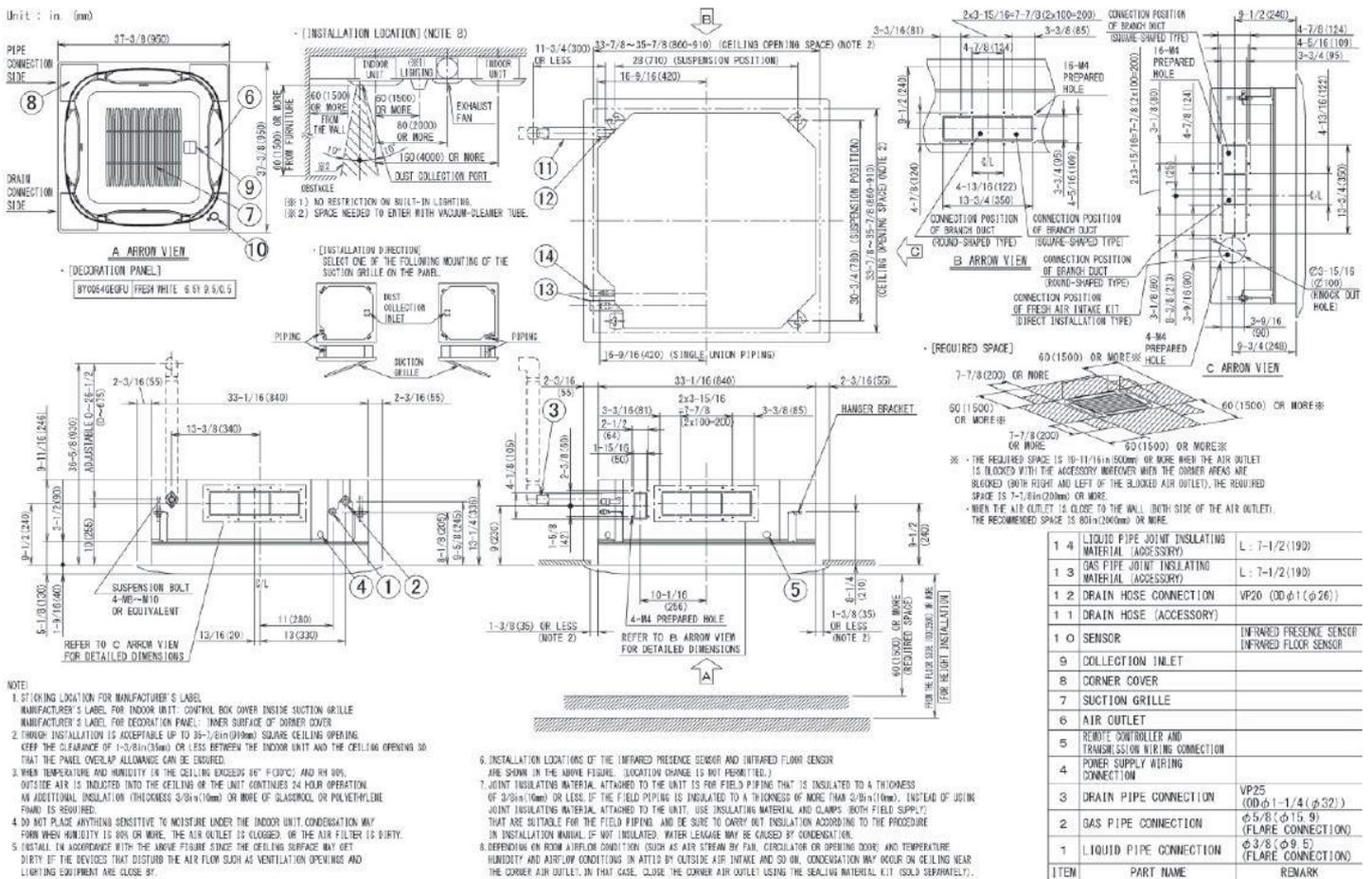
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INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	742/618/477
Power Supply Connections:	L1, L2, G		
Min. Circuit Amps MCA (A):	0.5	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 33-1/16 x 33-1/16	Condensate Connection (inch):	1-1/4
		Sound Pressure (H/M/L) (dBA):	38/32/28
Net Weight (lb):	51		

DIMENSIONAL DRAWING - INDOOR UNIT



ITEM	PART NAME	REMARK
1 4	LIQUID PIPE JOINT INSULATING MATERIAL (ACCESSORY)	L: 7-1/2(190)
1 3	GAS PIPE JOINT INSULATING MATERIAL (ACCESSORY)	L: 7-1/2(190)
1 2	DRAIN HOSE CONNECTION	VP20 (OD φ1(φ26))
1 1	DRAIN HOSE (ACCESSORY)	
1 0	SENSOR	INFRARED PRESENCE SENSOR INFRARED FLOOR SENSOR
9	COLLECTION INLET	
8	CORNER COVER	
7	SUCTION GRILLE	
6	AIR OUTLET	
5	REMOTE CONTROLLER AND TRANSMISSION WIRING CONNECTION	
4	POWER SUPPLY WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	VP25 (OD φ1-1/4(φ32))
2	GAS PIPE CONNECTION	φ5/8(φ15.9) (FLARE CONNECTION) φ3/8(φ9.5)
1	LIQUID PIPE CONNECTION	φ3/8(φ9.5) (FLARE CONNECTION)

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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):	19.8	Airflow Rate (H) (CFM):	3000
Max Overcurrent Protection (MOP) (A):	20	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

