



Submittal Data Sheet

VISTA 1.5 Ton 2 X 2 Ceiling Cassette Heat Pump System

FFA18AVJU9-RXV18AVJU9

FEATURES

- AUTO mode with automatic cooling/heating selection based on indoor temperature
- COOL / HEAT / DRY / FAN operating modes
- Configurable airflow pattern (2, 3, or 4-way discharge)
- Indoor airflow direction adjustable via remote control (field setting)
- Built-in drain pump with float switch safety control
- Air filter cleaning indicator with adjustable intervals
- COOL/HEAT mode lock function (field programmable)
- Auto-restart function after power interruption
- Automatic system protection (voltage fluctuation, compressor delay, defrost cycle)
- Quiet and continuous airflow operation with indoor air circulation
- Ceiling-mounted cassette design with compact installation footprint
- R32 refrigerant system for improved efficiency and environmental compliance
- Flexible installation with suspension mounting and configurable piping/wiring
- R32 inverter outdoor unit for efficient operations.
- Compatible with multiple indoor unit models (split system configuration)
- Extended cooling operation range with low ambient capability (up to -4°F with optional kit)
- Compact footprint with horizontal airflow outdoor design
- Single-phase 208/230V power supply compatibility
- Heavy-duty casing designed for outdoor installation environments
- Anti-corrosion installation considerations for long durability
- Optional drain pan heater (heat pump models) for low-temperature operation
- Airflow clearance design recommendations for optimized performance
- Operating temperature limits are 50°F to 114.8°F in cooling mode and 5°F to 64.4°F in heating mode.

BENEFITS

- Customized airflow and temperature distribution for enhanced occupant comfort
- Reliable and consistent performance with intelligent auto mode, restart capability, and system protection features
- Improved indoor air quality & maintenance convenience with filter cleaning alerts and easy service access
- Reduced downtime and long-term reliability through built-in drain pump, safety mechanisms, and protection controls
- Energy-efficient and eco-friendly operation using R32 refrigerant technology
- Easy installation and adaptability for various ceiling applications and room configuration.
- Reliable year-round performance with both cooling and heating capabilities
- Improved efficiency in extreme conditions with extended low-ambient cooling operation
- Flexible system design allowing longer piping runs and easy integration with indoor units
- Enhanced durability with corrosion protection and robust outdoor construction
- Simplified installation and maintenance through clear piping layout, labeling, and pump-down functionality
- Stable and quiet operation
- Energy-efficient and environmentally friendly operation using R32 refrigerant

INDOOR UNIT



OUTDOOR UNIT





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SYSTEM PERFORMANCE

Indoor Unit Model No.	FFA18AVJU9	Indoor Unit Name:	VISTA R-32 1.5 Ton 2 X 2 Ceiling Cassette
Outdoor Unit Model No.	RXV18AVJU9	Outdoor Unit Name:	Daikin R-32 1.5 Ton Heatpump Ductless ODU
Rated Cooling Capacity (Btu/hr):	17,400	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Sensible Capacity (Btu/hr):	12,270	Rated Piping Length(ft):	25
Max/Min Cooling Capacity (Btu/hr):	18,800 / 5,100	Rated Height Difference (ft):	0.00
Cooling Input Power (kW):	1.670	Heating Input Power (kW):	2.15
SEER2 (Non-Ducted/Ducted):	18.20 /	HSPF2 (Non-Ducted/Ducted):	8.5 /
EER2 (Non-Ducted/Ducted):	11.50 /	Heating COP (Non-Ducted/Ducted):	1.8 /
Rated Heating Capacity (Btu/hr):	21,600	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Max/Min Heating Capacity (Btu/hr):	21,800 / 5,400		

SYSTEM DETAILS

Refrigerant Type:	R-32	Cooling Operation Range (°F DB):	50 - 115
Holding Refrigerant Charge (lbs):	2.45	Heating Operation Range (°F WB):	5 - 64
Additional Charge (oz/ft):	0.22	Max. Pipe Length (Vertical) (ft):	66
Pre-charge Piping (Length) (ft):	49	Cooling Range w/Baffle (°F DB):	-4 - 115
Max. Pipe Length (Total) (ft):	99		
Max Height Separation (Ind to Ind ft):	0		
Fan/Compressor Drive Input:			

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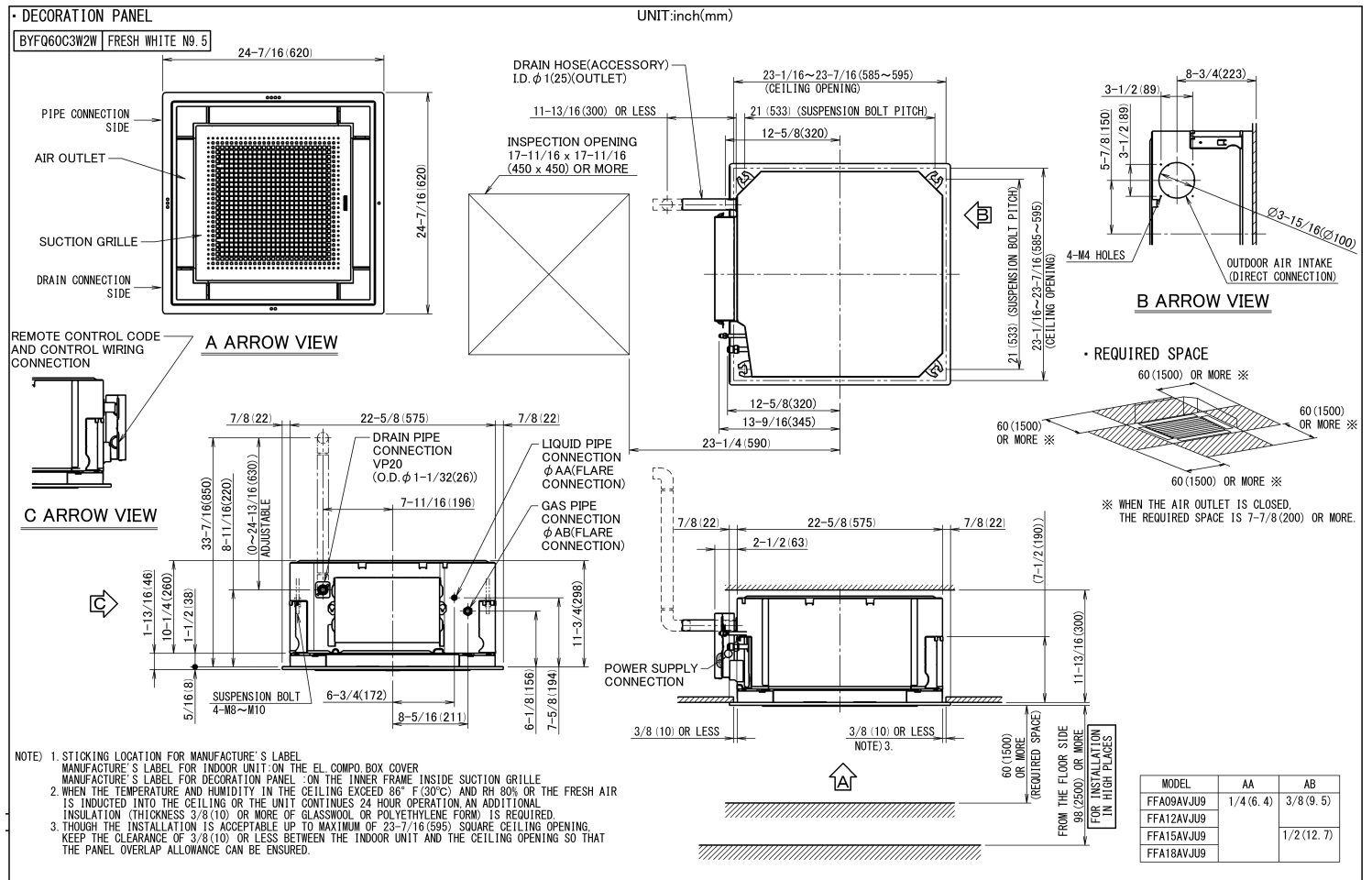
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INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	/ 60 /	Airflow Rate (H/M/L) (CFM):	508/431/314
Power Supply Connections:		Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):		Gas Pipe Connection (inch):	1/2
Max Overcurrent Protection (MOP) (A):		Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	10-1/4 x 22-5/8 x 22-5/8	Condensate Connection (inch):	1-1/32
Ext. Static Pressure (Rated/Max) (inWg):	/	Sound Pressure (H/M/L) (dBA):	44/40/32
Net Weight (lb):	36	Sound Power Level (dBA):	

DIMENSIONAL DRAWING - INDOOR UNIT



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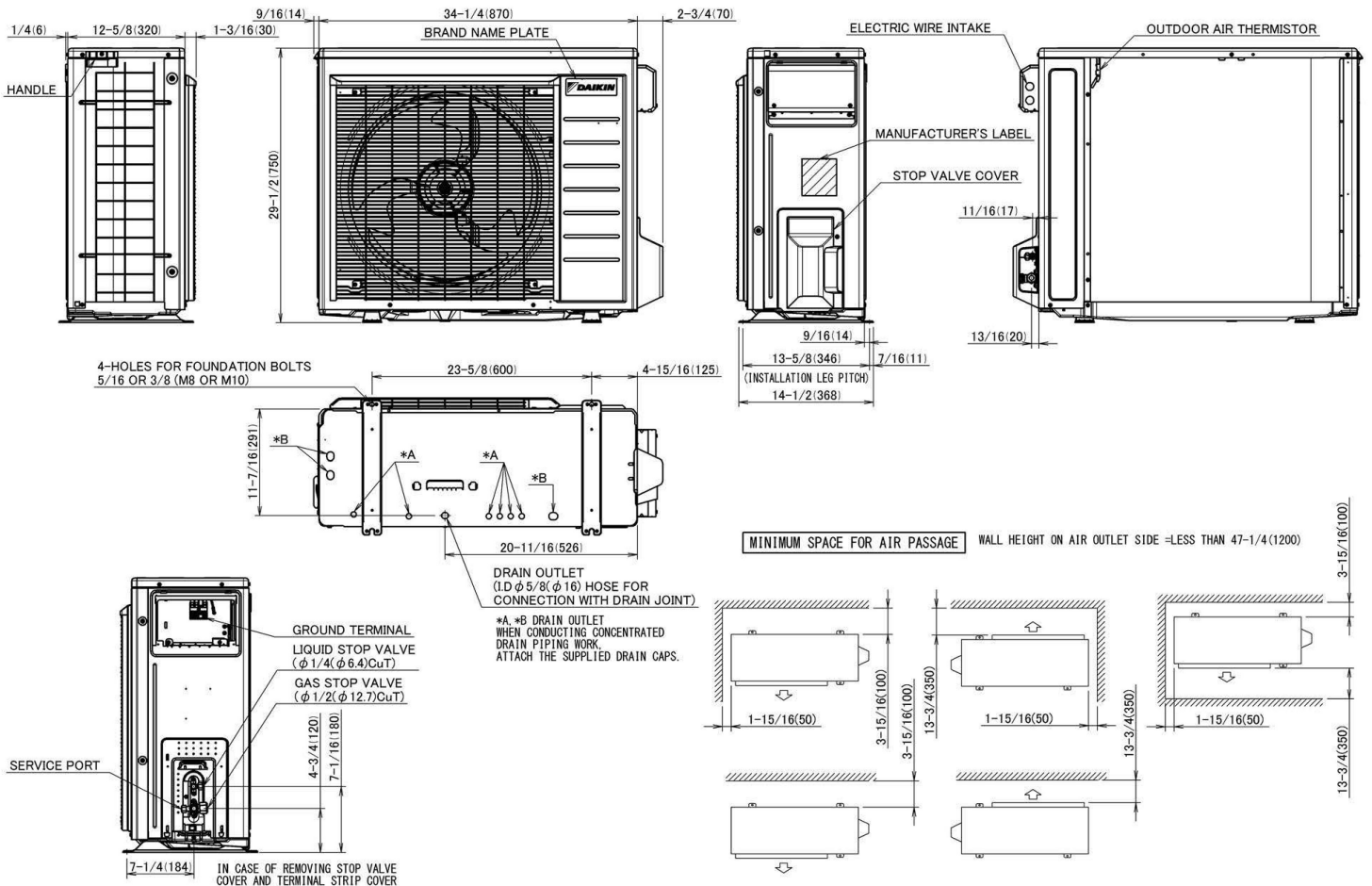
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OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Compressor Stage:	Inverter
Power Supply Connections:	L1,L2,Ground	Capacity Control Range (%):	-
Min. Circuit Amps MCA (A):	17.9	Airflow Rate (H/M) (CFM):	/2,327
Max Overcurrent Protection (MOP) (A):	20	Gas Pipe Connection (inch):	1/2
Max Starting Current MSC(A):		Liquid Pipe Connection (inch):	1/4
Rated Load Amps RLA(A):		Sound Pressure (H) (dBA):	55
Dimensions (HxWxD) (in):	29-1/2 x 34-1/4 x 12-5/8	Sound Power Level (dBA):	
Net Weight (lb):	113		

DIMENSIONAL DRAWING - OUTDOOR UNIT





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INDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
BDBHQ44C60	Air Discharge Sealing Memeber	No
BRC1NRV71	R32 Navigation Remote Controller	No
BRYQ60AAW	Sensor Kit	No
BYFQ60C3W2W	VISTA Decoration Panel	No
DCS302C71	Centralized Controller	No
DST301BA61	Schedule Timer	No
KAF441C60	Replacement Long Life Filter	No
KDDQ44XA60	Fresh Air Intake Kit (Duct Flange)	No
KRCS01-6B	Remote Sensor	No
KRP1C77	Wiring Adapter PCB	No
KRP4A74	Group Control Adaptor PCB (Installation box for adaptor PCB "KRP1BB101" is necessary)	No

OUTDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
KEH064A41	Drain Pan Heater	No
KKG063A44	Back Protection Wire Net	No
KKP937A4	Drain Plug for OD Unit	Yes
KPS063A41	Snow hood (intake side plate) (15, 18 & 24)	No
KPS063A44	Snow hood (intake rear plate) (15,18 & 24)	No
KPS063A47	Snow hood (outlet) (15, 18 & 24)	No
KPW063B4	Air direction adjustment grille	No