



Submittal Data Sheet

R-32 Daikin Aurora 1.5 Ton Ducted Concealed Heat Pump System
FDMA18AVJU9RXP18AVJU9

FEATURES

- Automatic defrosting & Automatic cooling/heating change over
- Auto Restart after Power failure
- Operation Range—Cooling (50°F - 114.8°F)
- Low temperature cooling operation down to -4°F (-20°C) with wind baffle and field settings
- Operating Range - Heating (-13.8°F - 64.4°F)
- 12-year limited parts and compressor warranty with online registration
- 5-year limited parts warranty for commercial applications
- Inverter controlled Swing compressor with Reluctance DC motor
- Auto Fan Speed
- 3-Step Switchable Fan speed
- Quick Warming function
- Program dry operation
- Fan-only mode
- ECONO operation
- Titanium Apatite deodorizing filter
- Filter Cleaning Indicator
- Anti-corrosion treatment on outdoor heat exchanger
- Factory charged for up to 49.2 ft of piping length
- Built in refrigeration detection system

BENEFITS

- Inverter and PAM control technologies optimize energy use, delivering efficient performance and reduced electricity consumption
- Concealed systems preserve interior aesthetics by eliminating bulky wall-mounted unit ideal for minimalist and design-focused homes
- Concealed ducted mini splits offer zoned comfort with minimal ductwork, preserving the architectural integrity of historic homes
- Concealed ducted systems efficiently condition large or multi-room spaces using flexible ductwork, offering seamless comfort without multiple wall units
- Compact concealed systems deliver efficient, quiet comfort in small apartments without occupying valuable walls or floor space
- Flexible installation options—either-side drain, and factory charged for up to 49.2 ft. of piping length —simplify setup and reduce labor costs
- Concealed systems maintain visual harmony by delivering discreet comfort without distracting from high-end displays or artwork.
- Concealed systems deliver efficient climate control while preserving a clean, professional look free from exposed HVAC components
- Concealed ducted mini-splits offer a space-saving, energy-efficient solution for individual climate control in apartments and condominiums
- Concealed systems provide quiet, zoned climate control with advanced filtration—ideal for maintaining comfort and air quality in hospitals and hotels

INDOOR UNIT



OUTDOOR UNIT





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SYSTEM PERFORMANCE

Indoor Unit Model No.	FDMA18AVJU9	Indoor Unit Name:	R-32 1.5 Ton Ducted Concealed Indoor Unit
Outdoor Unit Model No.	RXP18AVJU9	Outdoor Unit Name:	Daikin Aurora R-32 1.5 Ton Heat pump outdoor unit
Rated Cooling Capacity (Btu/hr):	17,600	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Sensible Capacity (Btu/hr):	14,460	Rated Piping Length(ft):	25
Max/Min Cooling Capacity (Btu/hr):	19,600 / 9,000	Rated Height Difference (ft):	0.00
Cooling Input Power (kW):	1.680	Heating Input Power (kW):	2.53
SEER2 (Non-Ducted/Ducted):	/ 18.00	HSPF2 (Non-Ducted/Ducted):	/ 9.2
EER2 (Non-Ducted/Ducted):	/ 11.60	Heating COP (Non-Ducted/Ducted):	3.0 /
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):	25,000 / 9,000		

SYSTEM DETAILS

Refrigerant Type:	R-32	Cooling Operation Range (°F DB):	50 - 115
Holding Refrigerant Charge (lbs):	3.04	Heating Operation Range (°F WB):	-14 - 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		

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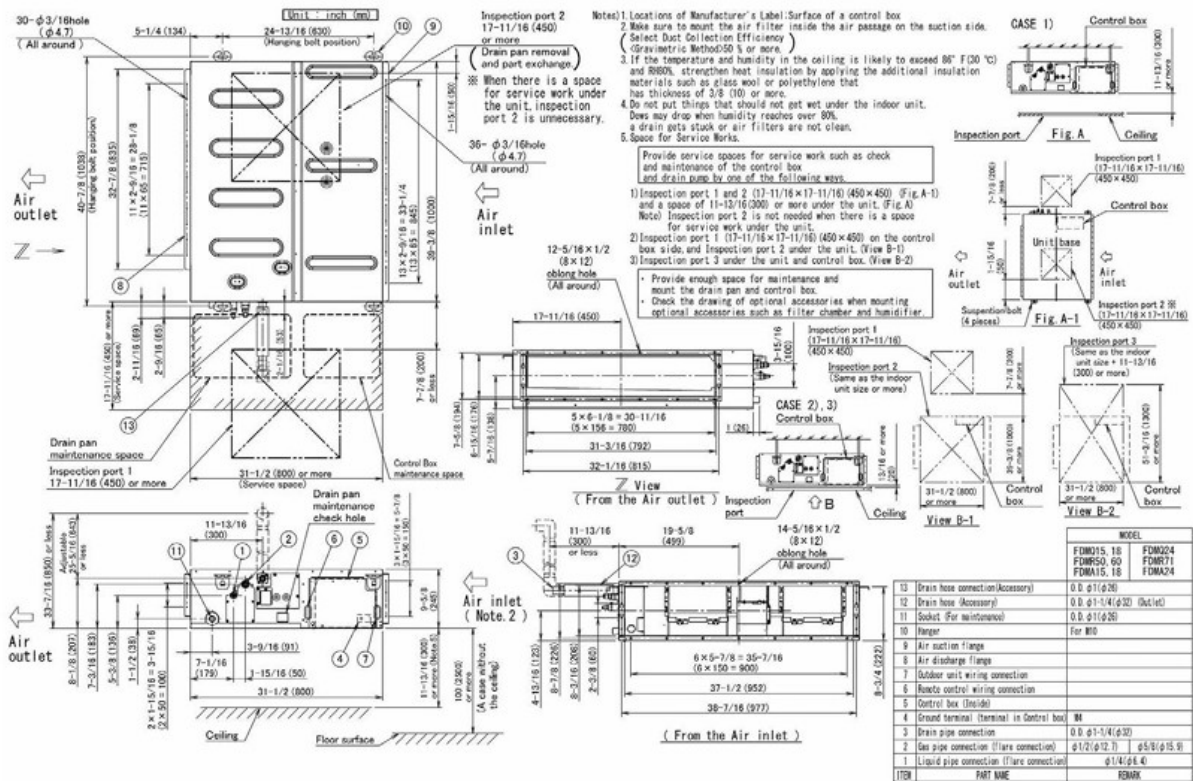
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INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	609/498/373
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):	9-5/8 x 39-3/8 x 31-1/2	Condensate Connection (inch):	1
Net Weight (lb):	82	Sound Pressure (H) (dBA):	35
Ext. Static Pressure (Rated/Max) (inWg):	0.2 /	Sound Power Level (dBA):	

DIMENSIONAL DRAWING - INDOOR UNIT

FDMA15/18/24AVJU9



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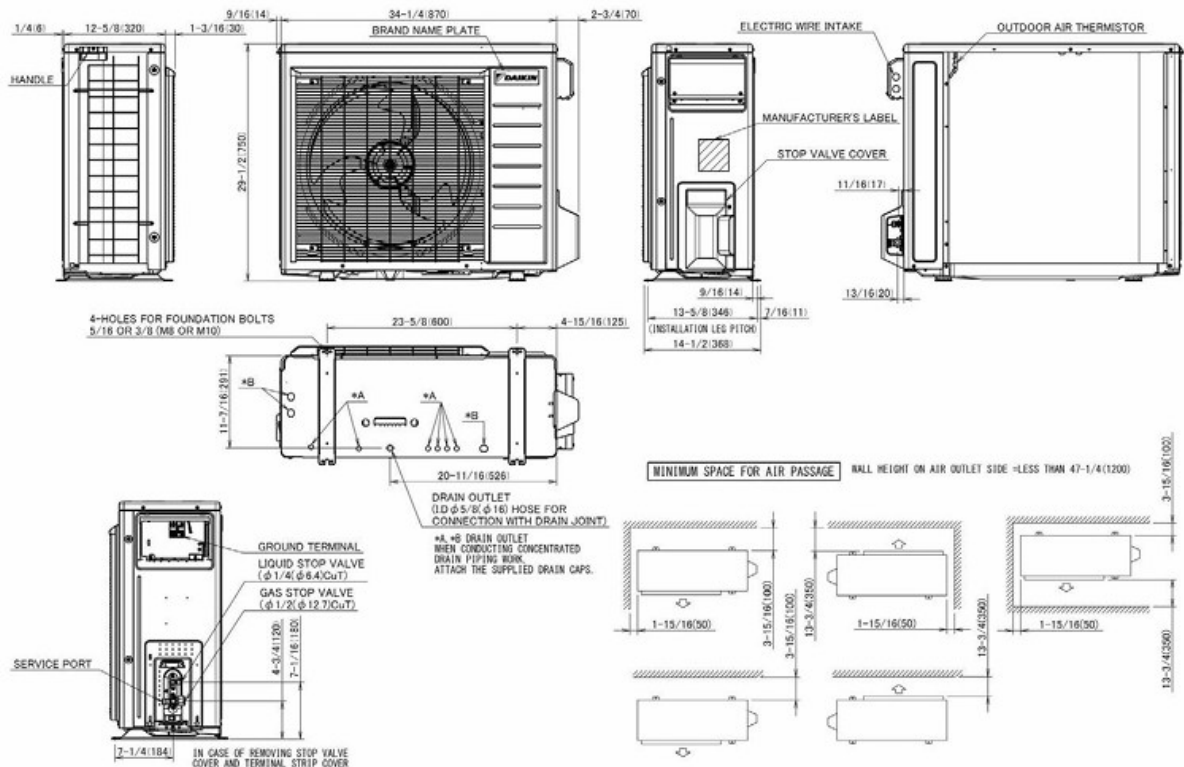
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OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Compressor Stage:	Inverter
Power Supply Connections:		Capacity Control Range (%):	-
Min. Circuit Amps MCA (A):	21.4	Airflow Rate (H/M) (CFM):	/2,383
Max Overcurrent Protection (MOP) (A):	25	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):	127		

DIMENSIONAL DRAWING - OUTDOOR UNIT

RXP15/18AVJU9



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INDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
BRC1NRV71	R32 Navigation Remote Controller	No
DCS302C71	Centralized Controller	No
DST301BA61	Schedule Timer	No
KRCS01-6B	Remote Sensor	No
KRP1C76	Wiring Adapter PCB	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