

SUBMITTAL DATA SHEET

SINGLE PIECE 4 POSITION COMMUNICATING AIR HANDLERS VARIABLE SPEED ECM WITH FACTORY MOUNTED ELECTRONIC EXPANSION VALVE (EEV) MODELS: AVV SERIES

JOB NAME:		LOCATION:		
PURCHASER:		ORDER NO:		
ENGINEER:				
SUBMITTED TO:	FOR:	REF:	APPROVAL:	CONSTRUCTION:
SUBMITTED BY:		DATE:		
UNIT DESIGNATION:		SCHEDULE NO.	MODEL NO.	

PRODUCT DATA

Cooling Performance

Total Capacity* _____ MBH
 Sensible Capacity* _____ MBH
 Temperature of Air Entering _____
 Indoor Coil _____ °F (DB/WB)
 * Shown in Outdoor Unit Technical Guide

Supply Air Blower Performance

Total Supply Air _____ CFM
 Total External Static Pressure _____ IWG
 Blower Speed Settings _____
 Motor Rating _____ HP
 Power Input Requirement _____ KW

Electrical Data

Power Supply _____ / _____ / _____
 Total Unit Ampacity _____ AMPS
 Minimum Wire Size _____ AWG
 (Copper conductors)
 Maximum Overcurrent Device
 Fuses (Dual Element)
 Circuit Breaker (HACR)

Unit Weight

Total Unit Weight _____ LBS
 (Include field-installed accessories)

CLEARANCES

Front	24"
Rear	0***
Sides	0***

*** 0 Clearance allowed with or without Electric Heater.



FEATURES

- **Rigid Case Construction** - an interior endoskeleton provides structural support eliminating screw heads protruding from the side of the cabinet that could damage property when being installed.
- **Cabinet** - Constructed of heavy gauge galvanized steel with a primer and finish coat providing a high quality corrosion resistant finish.
- **MaxAlloy™ Coil** - Long life aluminum coils built to deliver lasting performance, efficiency and reliability.
- **Foil faced insulation** - The entire cabinet is insulated with a single piece of cleanable foil faced insulation retained by the endoskeleton. The cabinet design is such that all edges of the insulation are contained.
- **Electronic Expansion Valve (EEV)** - Factory installed and sized to match with specific YZV and YXV high-efficiency variable capacity outdoor units.
- **Compact Cabinet** - With the coil and access doors removed the AVV air handler has a 20.5" casing depth in all models, which provide ease of attic access and space constrained applications.
- **Thermoset Drain Pan** - Corrosion and UV resistant with a positive slope for proper drainage. Low water retention design maximizes indoor air quality and consumer comfort.
- **Low Leakage Cabinet Design** - Fully gasketed doors minimizes air leakage to no more than 2% when measured at 1.0" esp. minimizing conditioned air leakage and infiltration.
- **Integrated Filter Rack** - All models have an internal filter rack for use with 1" thick standard size filters.
- **Electric Heat Kits** - 208/230V single phase field installed electric heat kits are available from 5 through 25 kW. Make sure to check the technical guide for proper application. Electric heat kits are common between the different air handler families including the modular designs.
- **ECM Variable Speed Motors** - All models use variable speed ECM motors for efficient, quiet operation. The blower can be independently controlled to optimize the system for specific comfort requirements.
- **Duct Flange** - Duct flanges are supplied to be field installed when required.

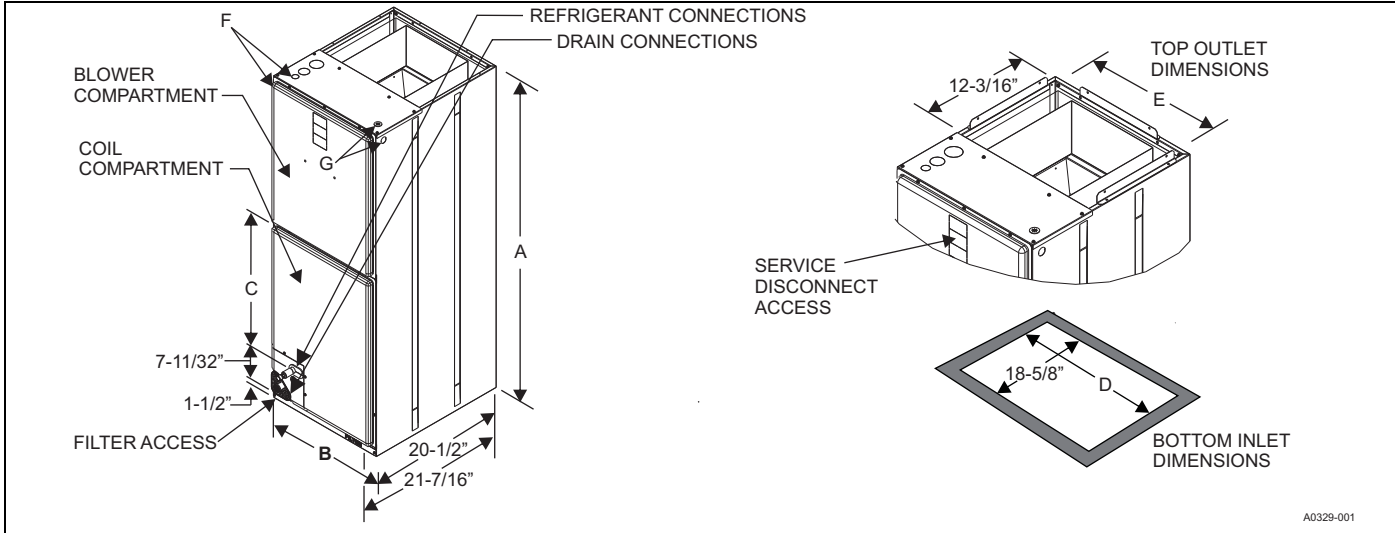
FIELD INSTALLED ACCESSORIES

- Electric Heaters (#6HK _____)
Capacity (@ _____ Volts) _____ MBH
Power Input Requirement (Less Blower Motor) _____ KW
- Thermal Expansion / Check Valve Kit (# _____)
- Combustible Floor Base (# _____)
- External Filter Rack (# _____)

MATCHED OUTDOOR UNIT

- Model Number (# _____)
- Submittal Part Number (# _____)

DIMENSIONS & DUCT CONNECTION DIMENSIONS



A0329-001

Dimensions¹

Models	Dimensions					Wiring Knockouts ²		Refrigerant Connections Line Size	
	A	B	C	D	E	F	G	Liquid	Vapor
	Height	Width				Power (Conduit)	Control (Conduit)		
AVV25BE121	47-1/2	17-1/2	19-1/2	14-1/4	16-1/2	7/8 (1/2) 1-3/8 (1) 1-23/32 (1-1/4)	7/8 (1/2)	3/8	3/4
AVV37BE221	47-1/2	17-1/2	19-1/2	14-1/4	16-1/2				
AVV37CE221	51-1/2	21	22-5/8	17-3/4	20				
AVV38BE221	47-1/2	17-1/2	22-5/8	14-1/4	16-1/2				
AVV38CE221	55-3/4	21	26-7/8	17-3/4	20				
AVV49CE321	55-3/4	21	26-7/8	17-3/4	20				
AVV49DE321	51-1/2	24-1/2	26-5/8	21-3/4	23-1/2				
AVV50CE321	60	21	31-3/8	17-3/4	20				
AVV50DE321	60	24-1/2	31-3/8	21-3/4	23-1/2				
AVV61CE421	60	21	31-3/8	17-3/4	20				
AVV61DE421	60	24-1/2	31-3/8	21-3/4	23-1/2				

NOTES:

1. All dimensions are in inches.
2. Knockout size (conduit size in parentheses).