

# SUBMITTAL DATA SHEET

## SINGLE PIECE 4 POSITION AIR HANDLERS STANDARD ECM MODELS: AVC 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)

#### 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)

#### Options

Factory Installed TXV

\* Shown in Outdoor Unit Technical Guide

### CLEARANCES

Front	24"
Rear	0"
Sides	0"

\* 0 Clearance allowed with or without Electric Heater.



### FEATURES

**RC<sup>2</sup>** - Rigid Case Construction interior endoskeleton for structural support, flush side, and locks in insulation.  
**Powder-painted** - G30 galvanized steel case provide a coated edge that resists corrosion and rust creep.  
**MaxAlloy™ Coil** - Long life aluminum coils built to deliver lasting performance, efficiency and reliability.  
**Quality Construction** - Structural components are made of Aluminum or G90 galvanized steel to prevent corrosion.  
**Improved Insulation Design** - Single piece with no external screws to reduce thermal transmission paths to prevent sweating. Foil faced insulation for ease of cleaning.  
**Thermostatic Expansion Valve** - Bolt-on TXV provides easy installation to convert the indoor coil to the required refrigerant that does not require brazing to replace or install. Some models are available with factory installed TXV.  
**Case Depth** - These models have 20.5" casing which provide ease of attic access and tight applications.  
**Thermostat Drain Pan** - Positive slope for drainage to reduce cause for potential mold or contaminants.  
**Factory Sealed** - Achieves 2% or less total airflow leakage rate at duct leakage test conditions in positive and negative pressure for system airflow verification.  
**Enhanced Filter Rack** - All models have integrated internal filter racks provided for use with 1" thick standard size filters.  
 Electric Heat Kits - 6HK series of field installed electric heat kits are available for installation-friendly and easy service applications.  
**High Efficiency Blowers** - All models use variable speed ECM motor for most efficient, quietest operation with added indoor comfort control.  
**Communication Thermostat Capable** - Using a 4-wire connection bus.

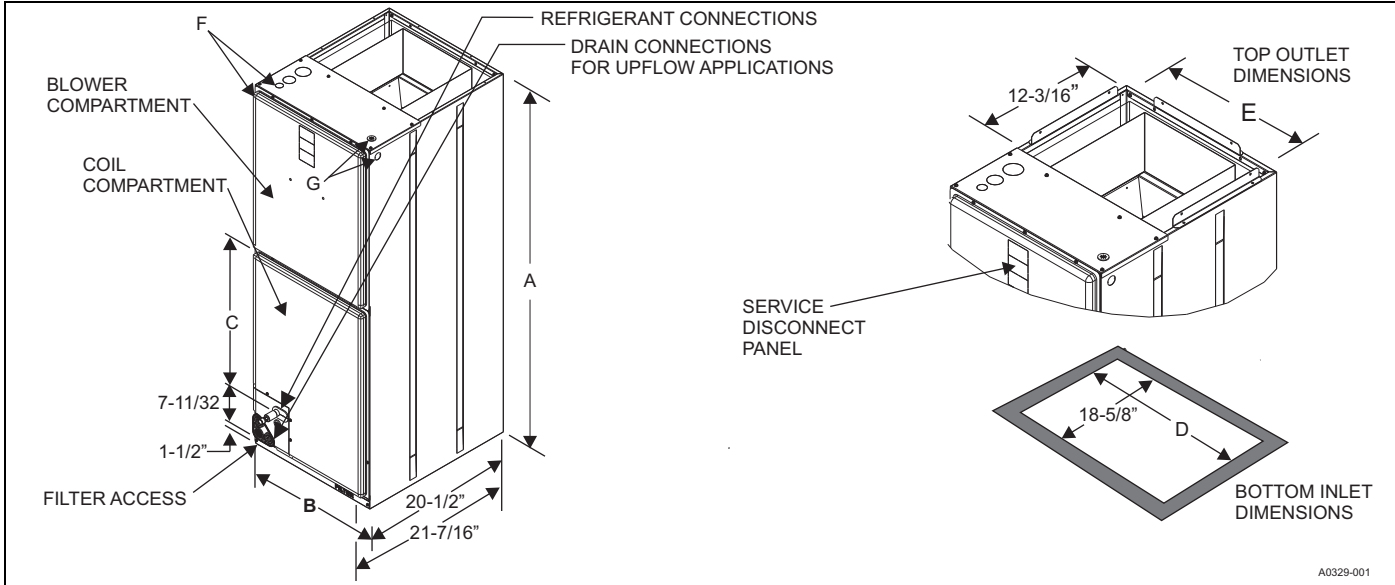
### FIELD INSTALLED ACCESSORIES

- 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

### Dimensions<sup>1</sup>

Models	Dimensions					Wiring Knockouts <sup>2</sup>		Refrigerant Connections Line Size	
	A	B	C	D	E	F	G	Liquid	Vapor
	Height	Width				Power (Conduit)	Control (Conduit)		
AVC18BX21	41	17-1/2	12-7/8	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
AVC24BX21	41	17-1/2	12-7/8	14-1/4	16-1/2				
AVC30BX21	47-1/2	17-1/2	19-1/2	14-1/4	16-1/2				
AVC36BX21	47-1/2	17-1/2	19-1/2	14-1/4	16-1/2				
AVC36CX21	51-1/2	21	22-5/8	17-3/4	20				
AVC42CX21	51-1/2	21	22-5/8	17-3/4	20				
AVC48CX21	51-1/2	21	22-5/8	17-3/4	20			7/8	
AVC48DX21	55-1/2	24-1/2	26-5/8	21-1/4	23-1/2				
AVC60CX21	55-3/4	21	26-7/8	17-3/4	20				
AVC60DX21	55-1/2	24-1/2	26-5/8	21-1/4	23-1/2				

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