

# SUBMITTAL DATA SHEET

## SINGLE PIECE STANDARD PSC AIR HANDLER SPLIT-SYSTEM FAN COIL MODELS: AP 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, smooth 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** - The accessory chatleff style 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.

**Thermoset 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.

**Blowers** - All models use direct-drive, multi-speed PSC motors.

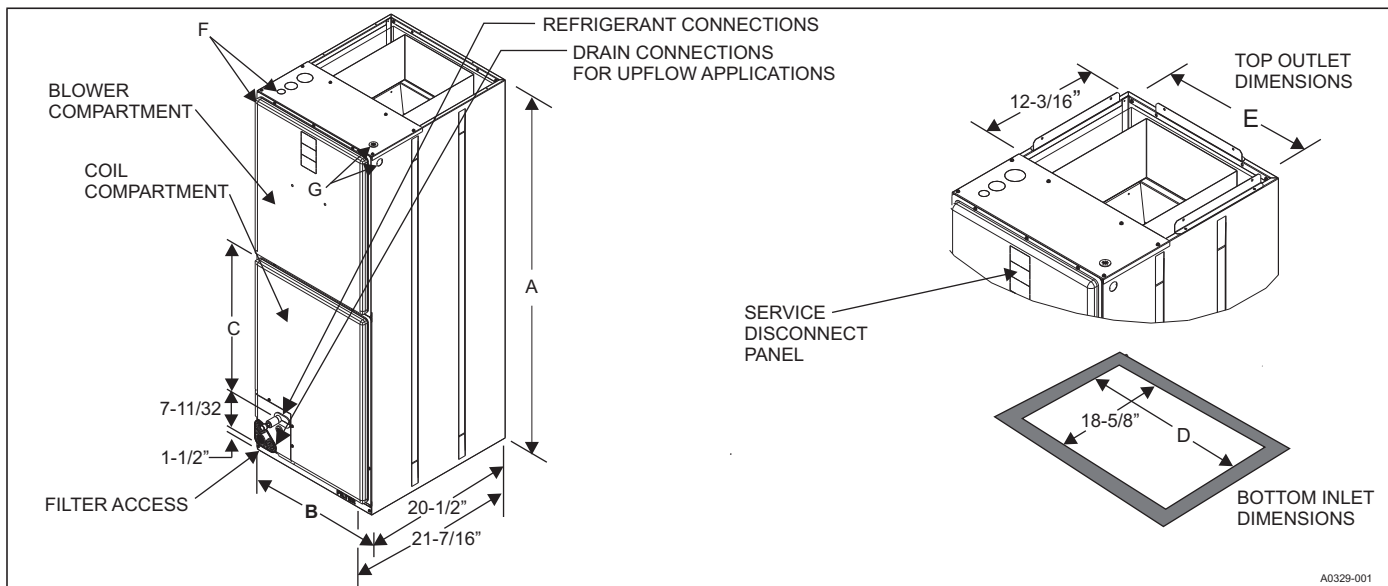
### FIELD INSTALLED ACCESSORIES

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

### MATCHED OUTDOOR UNIT

- ☐ Model Number (# \_\_\_\_\_)
- ☐ Submittal Part Number (# \_\_\_\_\_)

## DIMENSIONS & DUCT CONNECTION DIMENSIONS



### DIMENSIONS

Models	Dimensions <sup>1</sup>					Wiring Knockouts <sup>2</sup>		Refrigerant Connections Line Size	
	A	B	C	D	E	F	G		
	Height	Width				Power (Conduit)	Control (Conduit)	Liquid	Vapor
AP18BX21	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
AP24BX21	41	17-1/2	12-7/8	14-1/4	16-1/2				
AP30BX21	47-1/2	17-1/2	19-1/2	14-1/4	16-1/2				
AP36BX21	47-1/2	17-1/2	19-1/2	14-1/4	16-1/2				
AP36CX21	51-1/2	21	22-5/8	17-3/4	20				
AP37CX21	51-1/2	21	22-5/8	17-3/4	20				
AP42CX21	51-1/2	21	22-5/8	17-3/4	20				
AP48CX21	51-1/2	21	22-5/8	17-3/4	20				
AP48DX21	55-1/2	24-1/2	26-5/8	21-1/4	23-1/2			7/8	7/8
AP60CX22	55-3/4	21	26-7/8	17-3/4	20				
AP60DX23	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).