

SUBMITTAL DATA SHEET

SINGLE PIECE MODULAR AIR HANDLER SPLIT-SYSTEM COIL MODELS: MVC / CM

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 Resistance External To Unit _____ IWG
 Cooling Blower Speed Tap _____ RPM
 Motor Rating _____ HP

Electrical Data

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

Unit Weight

Total Operating Weight _____ LBS
 (Including field-installed accessories)

* Shown in Outdoor Unit Technical Guide

CLEARANCES

Front	24"
Rear	0"*
Sides	0"*

* 0 Clearance allowed with or without Electric Heater.



FEATURES

COMMON MVC AIR HANDLER AND CM COIL FEATURES

RC² - 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.

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.

Case Depth - These models have 20.5" casing which provide ease of attic access and tight applications.

MVC AIR HANDLERS

Factory Sealed - Achieves 2% or less total airflow leakage rate at duct leakage test conditions in positive and negative pressure for system airflow verification.

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.

CM COILS

MaxAlloy™ Coil - Long life aluminum coils built to deliver lasting performance, efficiency and reliability.

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.

Thermoset Drain Pan - Positive slope for drainage to reduce cause for potential mold or contaminants.

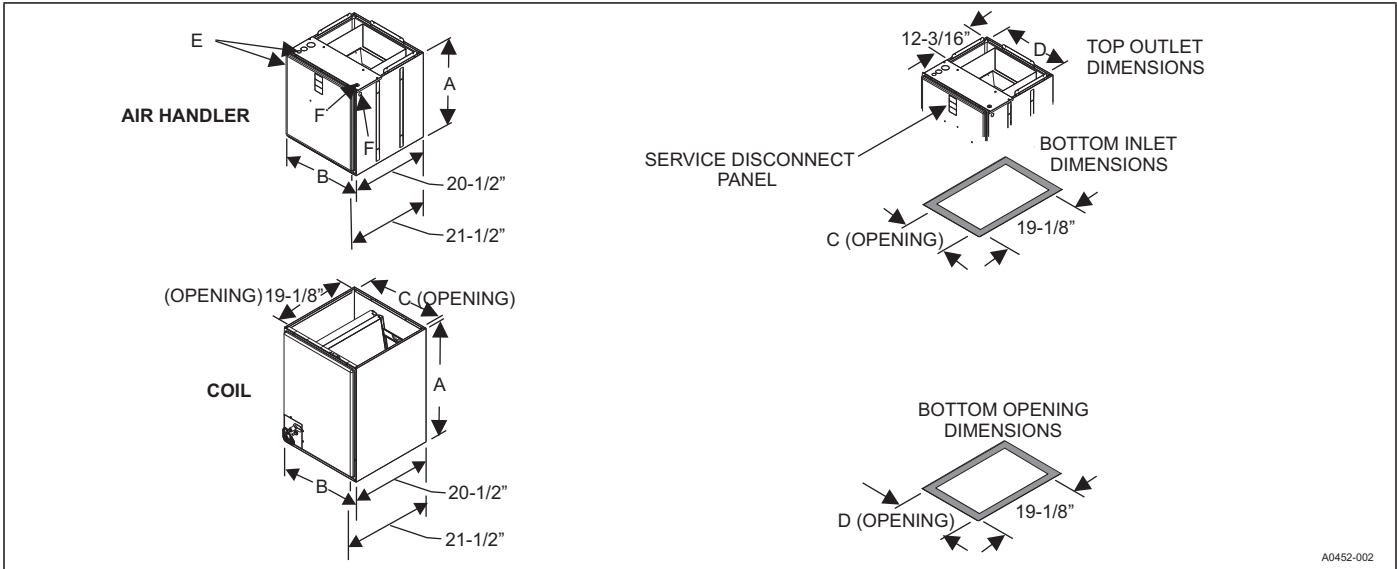
FIELD INSTALLED ACCESSORIES

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

MATCHED OUTDOOR UNIT

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

DIMENSIONS - INCHES



Dimensions - MVC Modular Air Handlers & CM Multi-Position Full Cased Coils

MVC MODELS	Dimensions ¹				Wiring Knockout Dimensions ^{1, 2}	
	A	B	C	D	E	F
	Height	Width	Bottom Opening	Top Opening	Power	Control
MVC08BN21	21-1/2	17-1/2	16-1/2	16-1/2	7/8 (1/2) 1-3/8 (1) 1-23/32 (1-1/4)	7/8 (1/2)
MVC12BN21	21-1/2	17-1/2	16-1/2	16-1/2		
MVC14DN21	22-1/2	24-1/2	23-1/2	23-1/2		
MVC16CN21	22-1/2	21	20	20		
MVC20DN21	22-1/2	24-1/2	23-1/2	23-1/2		

1. All dimensions are in inches.
2. Actual size (Conduit size).

Models	Dimensions ¹				Refrigerant Connections ²	
	Height	Width	Opening Widths		Line Size	
			A	B	C	D
CM18A	19-1/2	14-1/2	13-1/2	13-1/2	3/8	3/4
CM18B	19	17-1/2	16-1/2	16-1/2		
CM24A	19-1/2	14-1/2	13-1/2	13-1/2		
CM24B	19	17-1/2	16-1/2	16-1/2		
CM24C	21	21	20	20		
CM30A	25-1/2	14-1/2	13-1/2	13-1/2		
CM30B	23	17-1/2	16-1/2	16-1/2		
CM30C	23	21	20	20		
CM30D	25	24-1/2	23-1/2	23-1/2		
CM36A	25-1/2	14-1/2	13-1/2	13-1/2		
CM36B	25-5/8	17-1/2	16-1/2	16-1/2		
CM36C	25	21	20	20		
CM36D	25	24-1/2	23-1/2	23-1/2		
CM42C	27	21	20	20		
CM42D	27	24-1/2	23-1/2	23-1/2		
CM48C	33	21	20	20		
CM48D	32-3/4	24-1/2	23-1/2	23-1/2		
CM60C	33	21	20	20		
CM60D	32-3/4	24-1/2	23-1/2	23-1/2		
CM64D	32-3/4	24-1/2	23-1/2	23-1/2		

1. All dimensions are in inches as actual size (Dimensions in parenthesis are Conduit size).
2. Refrigerant line sizes may require larger lines for extended line lengths. See York bulletin #690.01-AD1V for details.

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