

SUBMITTAL DATA SHEET

SINGLE PIECE MODULAR AIR HANDLER WITH SPLIT-SYSTEM COIL MODELS: MP / 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 MP AIR HANDLER AND CM COIL FEATURES

Rigid Case Construction - An interior endoskeleton for structural support, smooth sides, 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.

MP 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.

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

CM COILS

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

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.

Thermoset Drain Pan - Low retention and positive slope for drainage to reduce potential mold or contaminants.

Accessories - A full line of matching accessories available for use with the blower and coils to provide for any type of application.

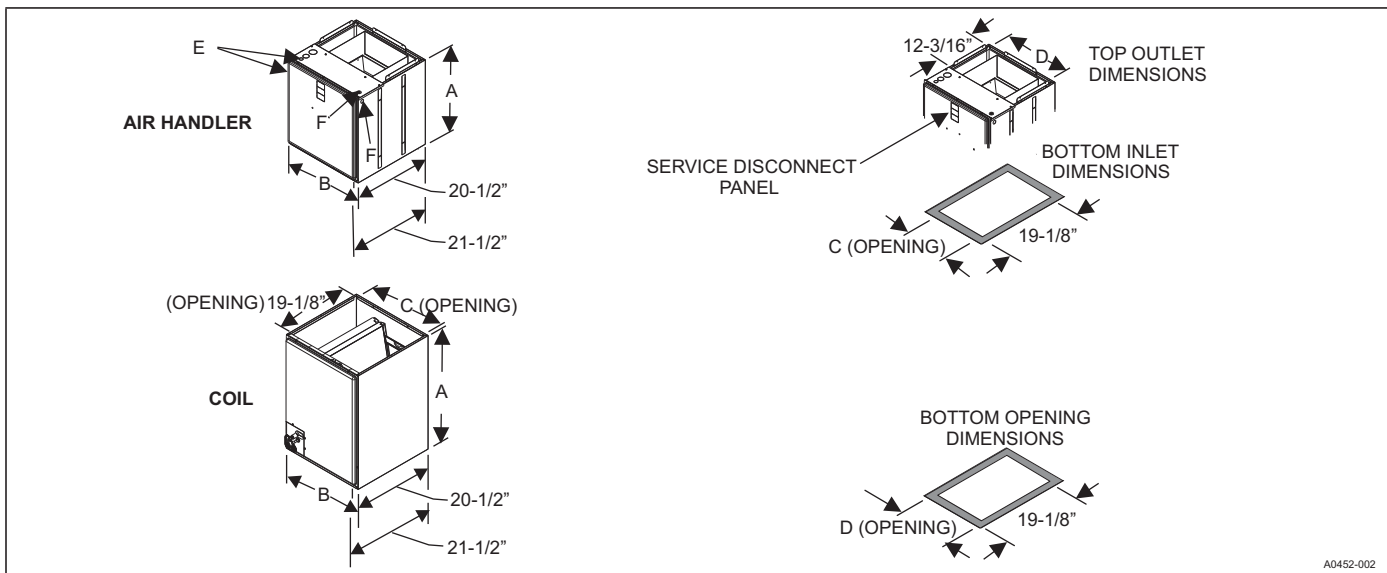
FIELD INSTALLED ACCESSORIES

- Electric Heaters (# _____)
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 - MP MODULAR AIR HANDLERS & CM MULTI-POSITION FULL CASED COILS

Models	Dimensions ¹					
	Height	Width	Opening Widths		Wiring Knockouts	
	A	B	C	D	E	F
						Power
MP08BN21	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)
MP12BN21	21-1/2	17-1/2	16-1/2	16-1/2		
MP14DN21	22-1/2	24-1/2	23-1/2	23-1/2		
MP16CN21	22-1/2	21	20	20		
MP20DN21	22-1/2	24-1/2	23-1/2	23-1/2		

Models ²	Dimensions ¹					
	Height	Width	Opening Widths		Refrigerant Connections ^{3,4,5}	
	A	B	C	D	Line Size	
						Liquid
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	7/8	
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. Asterisk (*) denotes coils available with Factory installed TXV.
3. Refrigerant line sizes may require larger lines for extended line lengths. See Application Data part number 247077.
4. Adapter fitting must be field installed for other line set size.
5. See outdoor unit technical guide for proper line set size.

Subject to change without notice. Published in U.S.A.
Copyright © 2017 by Johnson Controls, Inc. All rights reserved.

5006181-USD-E-0417
Supersedes: 5006181-USD-D-0216

York International Corp.
5005 York Drive
Norman, OK 73069