

Air handlers

AHE-AHV-MX-MV



HEATING PERFORMANCE THAT HITS YOUR COMFORT LEVEL

Your special moments deserve to be lived in full Coleman Comfort. From breakfast time to family time to bed time, a new Coleman system makes every day feel great !



Heating & Air Conditioning



WITH X13 MOTOR

DESIGNED TO FIT VARYING NEEDS

Modular air handlers can match all kinds of comfort needs with two types of configurations. MV models come with variable-speed motors to supply the exact amount of conditioned air you need — no more, no less. MX models offer direct-drive, X13 motors to offer your application an economical solution.

FEATURES

- Single cabinet design minimizes seams to reduce sweating
- Encapsulated foil faced insulation for quiet operation and ease of cleaning
- Premium construction materials for added strength and leak prevention
- Multiposition capability allows for easy application in any condition
- Cabinets are made of durable, pre-painted steel to resist fading and corrosion
- Direct-drive, multi-speed blower motors offer a wide range of airflows to meet almost any installation requirements



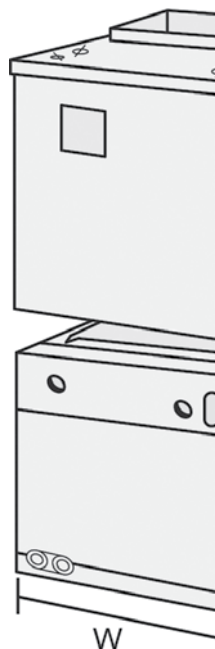
Single piece air handler (AHE-AHV) with evaporator

MATCHING CHART FOR MX MODELS WITH MULTIPOSITION COILS

Model	Coils	Dimensions (inches)			Total height (inches)
		H	W	D	
MX12BN21	MC35B3XN2	22	17 ½	21 ½	47
	MC43B3XN1	26.5	17 ½	21 ½	51 ½
MX12DN21	MC48D3XH1	32	24 ½	21 ½	57
	MC60D3XH1	32	24 ½	21 ½	57
	MC62D3XH1	36	24 ½	21 ½	61
MX16CN21	MC43C3XH1	26.5	21	21 ½	51 ½
	MC48C3XH1	32	21	21 ½	57
MX20DN21	MC48D3XH1	32	24 ½	21 ½	57
	MC60D3XH1	32	24 ½	21 ½	57
	MC62D3XH1	36	24 ½	21 ½	61

MATCHING CHART FOR MX MODELS WITH UP FLOW OR DOWN FLOW COILS

MX12BN21	FC35B3XN2	20	17 ½	21 ½	45
	FC43B3XN1	24 ½	17 ½	21 ½	49 ½
MX12DN21	FC48D3XH1	28	24 ½	21 ½	53
	FC60D3XH1	28	24 ½	21 ½	53
	FC62D3XH1	32	24 ½	21 ½	57
MX16CN21	FC43C3XH1	24 ½	21	21 ½	50 ½
	FC48C3XH1	28	21	21 ½	53
MX20DN21	FC48D3XH1	28	24 ½	21 ½	53
	FC60D3XH1	28	24 ½	21 ½	53
	FC62D3XH1	32	24 ½	21 ½	57



WITH ECM MOTOR FOR CENTRAL SYSTEMS

AIR CIRCULATION MORE UNIFORM

With an Electronically Commutated Motor (ECM), an MV model offers better humidity control, efficiency, and indoor air quality by circulating air more evenly and 24 times more quietly than a single-speed design.

FEATURES

- Encapsulated foil faced insulation for quiet operation and ease of cleaning
- Premium construction materials for added strength and leak prevention
- Multiposition capability allows for easy application in any condition
- Electronically Commutated Motor (ECM) automatically adjusts blower speed to boost efficiency and meet a wide range of airflow requirements
- Motor ramps up to full speed and ramps off for quiet operation and reduced wear
- Different CFM settings can be used for heating and cooling
- Motor automatically operates at the selected CFM, regardless of external static pressure
- EcoTrak™ Comfort System provides customized settings for different climate regions

Modular air handler (MX-MV)



MATCHING CHART FOR MV MODELS WITH MULTIPOSITION COILS

Model	Coils	Dimensions (inches)			Total height (inches)
		H	W	D	
MV12BN21C	MC35B3XN2	22	17 ½	21 ½	47
	MC43B3XN1	26.5	17 ½	21 ½	51 ½
MV12DN21C	MC48D3XH1	32	24 ½	21 ½	57
	MC60D3XH1	32	24 ½	21 ½	57
	MC62D3XH1	36	24 ½	21 ½	61
MV16CN21C	MC43C3XH1	26.5	21	21 ½	51 ½
	MC48C3XH1	32	21	21 ½	57
MV20DN21C	MC48D3XH1	32	24 ½	21 ½	57
	MC60D3XH1	32	24 ½	21 ½	57
	MC62D3XH1	36	24 ½	21 ½	61

MATCHING CHART FOR MV MODELS WITH UP FLOW OR DOWN FLOW COILS

MV12BN21C	FC35B3XN2	20	17 ½	21 ½	45
	FC43B3XN1	24 ½	17 ½	21 ½	49 ½
MV12DN21C	FC48D3XH1	28	24 ½	21 ½	53
	FC60D3XH1	28	24 ½	21 ½	53
	FC62D3XH1	32	24 ½	21 ½	57
MV16CN21C	FC43C3XH1	24 ½	21	21 ½	50 ½
	FC48C3XH1	28	21	21 ½	53
MV20DN21C	FC48D3XH1	28	24 ½	21 ½	53
	FC60D3XH1	28	24 ½	21 ½	53
	FC62D3XH1	32	24 ½	21 ½	57
	FC64D3XH1	36	24 ½	21 ½	61



SINGLE PIECE AIR HANDLERS (AHE)

Model	Nominal Capacity (tons)*	Nominal CFM	Electric Available (kW)	Dimensions (in)			Supply Plenum (in)	Filter (in)	Weight (lbs)
				H	W	D			
AHE18B3XH21	1.5	850	2, 5, 8, 10	46	17 ½	21 ½	13 x 16 ½	16 x 20 x 1	103
AHE22B3XH21	1.75	985	2, 5, 8, 10, 13, 15	46	17 ½	21 ½	13 x 16 ½	16 x 20 x 1	105
AHE24B3XH21	2	985	2, 5, 8, 10, 13, 15	46	17 ½	21 ½	13 x 16 ½	16 x 20 x 1	105
AHE30B3XH21	2.5	985	2, 5, 8, 10, 13, 15	46	17 ½	21 ½	13 x 16 ½	16 x 20 x 1	105
AHE34C3XH21	2.75	1,190	2, 5, 8, 10, 13, 15, 18, 20	52	21	21 ½	13 x 20	20 x 20 x 1	137
AHE36C3XH21	3	1,190	2, 5, 8, 10, 13, 15, 18, 20	52	21	21 ½	13 x 20	20 x 20 x 1	137
AHE42D3XH21	3.5	1,385	2, 5, 8, 10, 13, 15	57	24 ½	21 ½	13 x 23 ½	22 x 20 x 1	150
AHE48D3XH21	4	1,600	2, 5, 8, 10, 13, 15, 18, 20	57	24 ½	21 ½	13 x 23 ½	22 x 20 x 1	153
AHE60D3XH21	5	2,000	2, 5, 8, 10, 13, 15, 18, 20, 25	57	24 ½	21 ½	13 x 23 ½	22 x 20 x 1	156

SINGLE PIECE AIR HANDLERS - VARIABLE SPEED (AHV)

Model	Nominal Capacity (tons)*	Nominal CFM	Electric Available (kW)	Dimensions (in)			Supply Plenum (in)	Filter (in)	Weight (lbs)
				H	W	D			
AHV24B3XH21C	2	985	2, 5, 8, 10, 13, 15	46	17 ½	21 ½	13 x 16 ½	16 x 20 x 1	106
AHV30B3XH21C	2.5	985	2, 5, 8, 10, 13, 15	46	17 ½	21 ½	13 x 16 ½	16 x 20 x 1	106
AHV36C3XH21C	3	1,190	2, 5, 8, 10, 13, 15, 18, 20	52	21	21 ½	13 x 20	20 x 20 x 1	138
AHV42D3XH21C	3.5	1,385	2, 5, 8, 10, 13, 15, 18, 20	57	24 ½	21 ½	13 x 23 ½	22 x 20 x 1	151
AHV48D3XH21C	4	1,600	2, 5, 8, 10, 13, 15, 18, 20	57	24 ½	21 ½	13 x 23 ½	22 x 20 x 1	154
AHV60D3XH21C	5	1,835	2, 5, 8, 10, 13, 15, 18, 20, 25	57	24 ½	21 ½	13 x 23 ½	22 x 20 x 1	157

MODULAR AIR HANDLERS (MX)

Model	Nominal Capacity (tons)*	Nominal CFM	Electric Available (kW)	Dimensions (in)			Supply Plenum (in)	Filter (in)	Weight (lbs)
				H	W	D			
MX12BN21	2	1,220	5, 8, 10, 13, 15	25	17 ½	21 ½	10.38 x 14.59	16 x 20 x 1	66
MX12DN21	2	1,450	5, 8, 10, 13, 15, 18, 20	25	24 ½	21 ½	10.38 x 21.59	24 x 20 x 1	77
MX16CN21	4	1,650	5, 8, 10, 13, 15, 18, 20	25	21	21 ½	10.38 x 18.09	20 x 20 x 1	77
MX20DN21	5	1,795	5, 8, 10, 13, 15, 18, 20, 25	25	24 ½	21 ½	10.38 x 21.59	24 x 20 x 1	83

MODULAR AIR HANDLERS - VARIABLE SPEED (MV)

Model	Nominal Capacity (tons)*	Nominal CFM	Electric Available (kW)	Dimensions (in)			Supply Plenum (in)	Filter (in)	Weight (lbs)
				H	W	D			
MV12BN21C	2	1,250	5, 8, 10, 13, 15	25	17 ½	21 ½	10.38 x 14.59	16 x 20 x 1	71
MV12DN21C	2	1,450	5, 8, 10, 13, 15, 18, 20	25	24 ½	21 ½	10.38 x 21.59	24 x 20 x 1	82
MV16CN21C	4	1,650	5, 8, 10, 13, 15, 18, 20	25	21	21 ½	10.38 x 18.09	20 x 20 x 1	82
MV20DN21C	5	2,200	5, 8, 10, 13, 15, 18, 20, 25	25	24 ½	21 ½	10.38 x 21.59	24 x 20 x 1	88

*Nominal capacity for information purposes only. Can vary depending on selected condenser.

10 year limited warranty on parts and 5 years on heaters for residential applications*. To be valid, the qualifying product must be registered on-line via www.upgproductregistration.com within 90 days of installation. And for more peace of mind, ask your authorized dealer about the "Comfort Plan" providing labor coverage up to 10 years.

Authorized dealer



Heating & Air Conditioning

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