



MMVT Series Modular Air Handler

Multi-position Hydronic Unit – Heating only

Standard Features

- High performance constant torque blower design.
- Galvanized steel blower wheels and housings.
- Fully insulated cabinet and door.
- Designed and pre-wired for heating operation.
- Hydronic control board with built-in water pump cycle timer that cycles the water pump every 6 hours for 60 seconds.
- Water pump is factory installed on these units.
- Freeze protection switch is installed on these units.
- Standard control transformer is 120/1/60 primary / 24/1/60.
- Secondary circuit of the transformer is grounded per UL60335-2-40 requirements.
- Blower motor is a 5-speed constant torque.
- Meets ASHRAE standard 193 low leak requirements.
- Easy access for service and maintenance.
- Side and bottom return options.
- High efficiency copper tube and aluminum fin hot water coils.
- For use in elevations of 10,000 ft (3,047m) or less.

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Multi-position Modular Hydronic

Description:

This single piece air handler provides the flexibility for installation in any upflow, downflow, or horizontal application. The versatile models may be used with or without hot water heat. The direct-drive 5-speed constant torque motors provide a selection of air-flow volume to match any application. The air handler can be positioned for bottom air return in the upflow position, top air return in the downflow position, or air return through the end of the air handler in the horizontal position. These units are ETL listed. NOTE: Refer to the instructions for additional information..

Air Handler Model Specifications

Model No.	Nominal Tons	Electric Heater kW	Electric Heater Voltage/ PH/Hz	Thermostat Voltage/ PH/ Hz	Max. External Duct Pressure (inwc)
MMVT18, 24	1.5 - 3.0	5, 10	208/240/1/60	24/1/60	0.5
MMVT 25, 30, 36	1.5 - 3.0	5, 10, 15	208/240/1/60	24/1/60	0.5
MMVT 37, 42, 48, 60, 72	1.5 - 3.0	5, 10, 15, 20	208/240/1/60	24/1/60	0.5

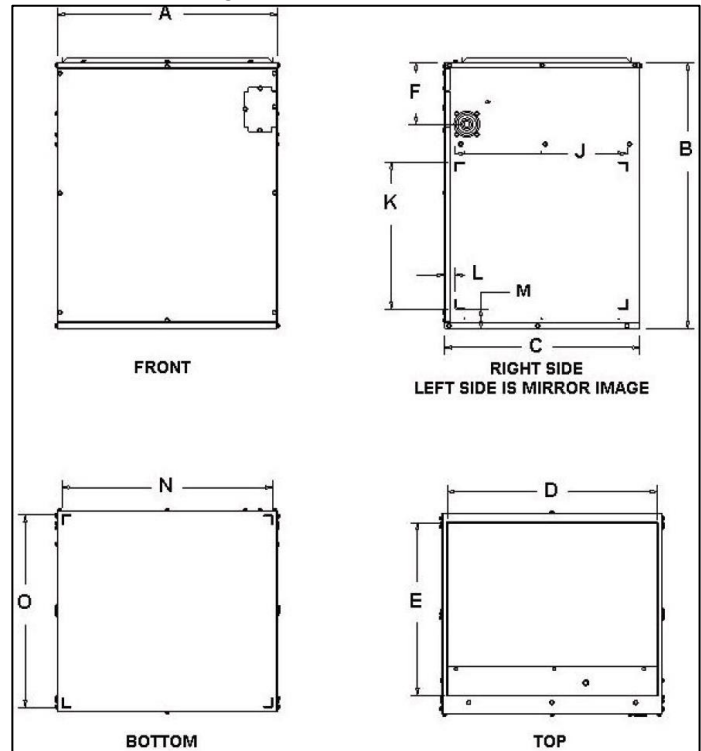
Hot Water Heat Data

Model No.	Heating Capacities with pump @ 65°F E.A.T.					Coil Rows	CFM	Heating GPM	ADP INWC	FPI
	120°F	130°F	140°F	150°F	160°F					
MMVT18	18,160	21,580	2,500	28,500	32,000	3	500	4.0	0.10	10
MMVT24	20,170	24,000	27,840	31,700	35,600	3	600	4.0	0.14	
MMVT25	21,020	25,000	29,030	33,000	37,190	3	600	4.0	0.10	
MMVT30	25,940	30,920	35,960	41,060	46,210	3	900	4.0	0.20	
MMVT36	27,230	32,470	37,780	43,160	48,580	3	1,000	4.0	0.24	
MMVT37	34,230	40,720	47,260	53,890	60,550	3	1,000	4.0	0.13	
MMVT42	37,800	45,010	52,290	59,640	67,050	3	1,200	4.0	0.18	
MMVT48	40,860	48,690	56,600	64,590	72,660	3	1,400	4.0	0.23	
MMVT60	45,870	54,710	63,670	72,720	81,870	3	1,800	4.0	0.36	
MMVT72	47,900	57,220	66,610	76,110	85,710	3	2,000	4.0	0.67	

Clearance to Combustibles

Model Number	Top	Back	Sides	Front of Furnace		Duct
				Alcove	Closet	
ELECTRIC	0"	0"	0"	30"	4"	1"

Physical Dimensions



Dimension Table

Model Number	A	B	C	D	E	F	J	K	L	M	N	O
MMVT18, 24	17.50	29.00	21.00	15.63	12.50	6.75	19.25	16.50	1.125	1.9375	16.50	20.00
MMVT 25, 30, 36	21.00	29.00	21.00	19.00	12.50	6.75	19.25	16.50	1.125	1.9375	20.00	20.00
MMVT 37, 42, 48, 60, 72	25.40	29.00	21.75	22.25	14.25	6.75	19.25	16.50	1.125	1.9375	23.00	20.9375

Hydronic Blower and Motor Information

Model No.	Voltage/PH/Hz	Blower Motor HP	Blower Code	Blower Motor FLA	Blower Size
MMVT18, 24	120/1/60	1/3	VJ1	4.8	10 x 7
MMVT 25, 30, 36	120/1/60	1/2	VK1	8.4	10 X 8
MMVT 37, 42, 48, 60	120/1/60	3/4	VX1	10.9	12 x 9

Field Installed Accessories

Filter Base Assembly Kit:
86ET0002 – 16" x 20" x 2"
Small Cabinet

86ET0001 – 20" x 20" x 2"
Medium Cabinet

86ET0003 – 20" x 24" x 2"
Large Cabinet

