

Model Number	Nominal Tons <sup>(1)</sup>	Motor HP		Airflow (CFM)	Weights (lbs)			Dimensions				Connections		Spray Pump (USGPM)	Internal Coil Volume (gal)
		Fan <sup>(2)</sup>	Pump		Operating <sup>(3)</sup>	Shipping	Heaviest Section <sup>(4)</sup>	L	H	F	A	Coil <sup>(5,6)</sup>	Overflow		
VF1-009-12E	4	1.5	1/3	4,510	1,875	1,625	1,460*	3'-0"	7'-4"	1'-11"	3'-9"	3"	2"	35	20
VF1-009-12F	5	2		4,970	1,875	1,625	1,460*		7'-4"	1'-11"					20
VF1-009-12G	5	3		5,690	1,875	1,625	1,460*		7'-4"	1'-11"					20
VF1-009-22F	6	2		4,890	2,075	1,785	1,000		8'-1"	2'-8"					26
VF1-009-22G	7	3		5,590	2,075	1,785	1,000		8'-1"	2'-8"					26
VF1-009-32G	8	3		5,520	2,295	1,965	1,180		8'-9"	3'-4"					31
VF1-009-42G	9	3		5,470	2,495	2,125	1,340		9'-6"	4'-1"					36
VF1-018-12F	9	2	1/2	8,050	2,955	2,415	2,415*	6'-0"	7'-4"	1'-11"	3'-9"	4"	2"	75	38
VF1-018-12G	11	3		9,220	2,955	2,415	2,415*		7'-4"	1'-11"					38
VF1-018-12H	14	5		10,930	2,955	2,415	2,415*		7'-4"	1'-11"					38
VF1-018-22H	17	5		10,750	3,260	2,640	1,720		8'-1"	2'-8"					49
VF1-018-22J	20	7.5		12,310	3,260	2,640	1,720		8'-1"	2'-8"					49
VF1-018-32G	16	3		8,960	3,660	2,940	2,010		8'-9"	3'-3"					60
VF1-018-32H	19	5		10,620	3,660	2,940	2,010		8'-9"	3'-3"					60
VF1-018-32J	22	7.5		12,150	3,660	2,940	2,010		8'-9"	3'-3"					60
VF1-018-42H	21	5		10,510	4,010	3,190	2,260		9'-6"	4'-0"					71
VF1-018-42J	24	7.5		12,030	4,010	3,190	2,260		9'-6"	4'-0"					71
VF1-027-22H	24	5		3/4	14,060	4,860	3,750		2,470	9'-0"					8'-4"
VF1-027-22J	28	7.5	16,090		4,860	3,750	2,470	8'-4"	2'-10"		72				
VF1-027-22K	32	10	17,710		4,860	3,750	2,470	8'-4"	2'-10"		72				
VF1-027-32H	26	5	13,880		5,440	4,180	2,850	9'-1"	3'-7"		89				
VF1-027-32J	31	7.5	15,890		5,440	4,180	2,850	9'-1"	3'-7"		89				
VF1-027-32K	35	10	17,490		5,440	4,180	2,850	9'-1"	3'-7"		89				
VF1-027-42H	28	5	13,740		5,970	4,570	3,240	9'-10"	4'-4"		106				
VF1-027-42J	33	7.5	15,730		5,970	4,570	3,240	9'-10"	4'-4"		106				
VF1-027-42K	37	10	17,310		5,970	4,570	3,240	9'-10"	4'-4"		106				
VF1-036-21L	41	15	1		24,870	6,280	4,760	3,200	12'-0"		8'-4"	2'-10"	3'-9"	4"	2"
VF1-036-22J	35	7.5		19,740	6,280	4,760	3,200	8'-4"		2'-10"	95				
VF1-036-22K	39	10		21,730	6,280	4,760	3,200	8'-4"		2'-10"	95				
VF1-036-22L	47	15		24,870	6,280	4,760	3,200	8'-4"		2'-10"	95				
VF1-036-31L	44	15		24,560	7,020	5,310	3,720	9'-1"		3'-7"	118				
VF1-036-32J	37	7.5		19,490	7,020	5,310	3,720	9'-1"		3'-7"	118				
VF1-036-41L	47	15		24,310	7,710	5,810	4,220	9'-10"		4'-4"	140				
VF1-036-51L	49	15	24,100	8,390	6,310	4,720	10'-7"	4'-4"	163						
VF1-048-21L	48	15	1 1/2	32,520	10,230	7,870	4,920	12'-0"	10'-0"	2'-10"	5'-5"	4"	3"	220	137
VF1-048-21M	55	20		35,790	10,230	7,870	4,920		10'-0"	2'-10"					137
VF1-048-31M	59	20		35,340	11,390	8,460	5,930		10'-9"	3'-7"					170
VF1-048-31N	65	25		38,070	11,390	8,460	5,930		10'-9"	3'-7"					170
VF1-048-41M	63	20		34,980	12,690	9,320	6,600		11'-7"	4'-4"					203
VF1-048-41N	70	25		37,690	12,690	9,320	6,600		11'-7"	4'-4"					203
VF1-072-21M	62	20		2	45,990	15,670	10,720		6,580	11'-8"					11'-4"
VF1-072-21N	69	25	49,540		15,670	10,720	6,580	11'-4"	2'-10"		190				
VF1-072-21O	75	30	52,650		15,670	10,720	6,580	11'-4"	2'-10"		190				
VF1-072-31M	67	20	45,420		17,380	12,050	7,950	12'-2"	3'-7"		235				
VF1-072-31N	74	25	48,930		17,380	12,050	7,950	12'-2"	3'-7"		235				
VF1-072-31O	81	30	51,990		17,380	12,050	7,950	12'-2"	3'-7"		235				
VF1-072-41M	72	20	44,960		18,000	12,480	9,320	12'-11"	4'-4"		281				
VF1-072-41N	80	25	48,430		18,000	12,480	9,320	12'-11"	4'-4"		281				
VF1-072-41O	86	30	51,460		18,000	12,480	9,320	12'-11"	4'-4"		281				



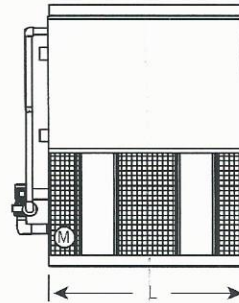
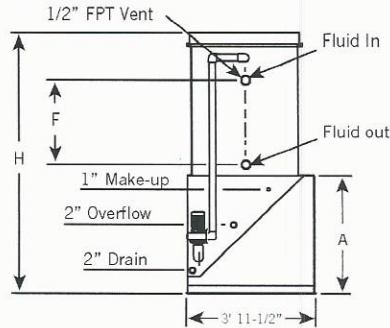
NOTE: Up-to-date engineering data, free product selection software, and more can be found at [www.BaltimoreAircoil.com](http://www.BaltimoreAircoil.com).



# Series V Engineering Data

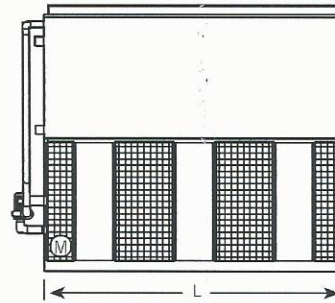
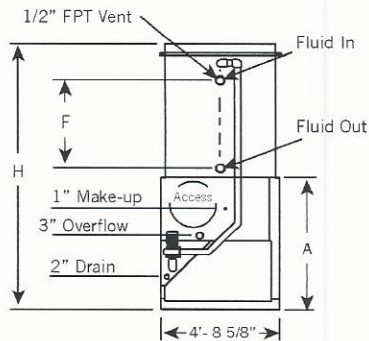
## VF1 MODELS

End Elevation: Models VF1-009 to 036



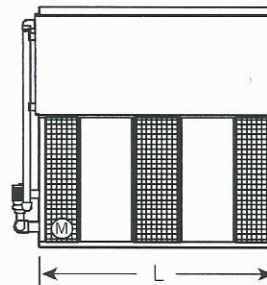
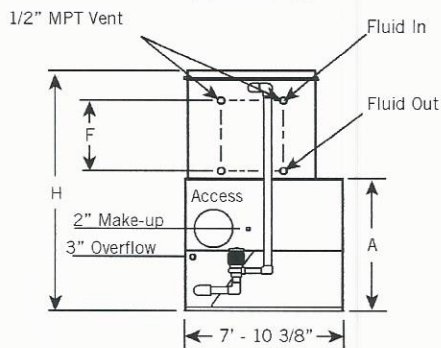
Side Elevation: Models VF1-009 to 036

End Elevation: Models VF1-048



Side Elevation: Models VF1-048

End Elevation: Models VF1-072



Side Elevation: Models VF1-072

### NOTES FOR OPPOSITE TABLE:

- Nominal tons of cooling represents the capability to cool 3 USGPM of water from a 95°F entering water temperature to an 85°F leaving water temperature at a 78°F entering wet-bulb temperature.
- Fan horsepower is at 0" external static pressure.
- Operating weight is for the unit with the water level in the cold water basin at the overflow and a full coil.
- Units marked with an asterisk ship in one piece. The coil section is the heaviest section.
- Standard coil connections are beveled for welding.
- The number and location of coil connections will vary with design flow and coil arrangement.
- If discharge hoods with positive closure damper are furnished, see [page C135](#) for added weight and height. Fan motor horsepower may increase; consult selection software for verification.
- For VF1-009 to 048, the riser pipe diameter is 3". For VF1-072 the riser pipe diameter is 4".

**Do not use for construction.** Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase.