

VBF FLAT TOP CABINET

2-PIPE SYSTEM							
Model	2 Rows Cooling (1)				2 Rows Heating (1)		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
VBF02	4.0	3.4	0.8	0.31	13.4	0.9	0.32
VBF03	5.5	4.5	1.1	0.65	17.8	1.2	0.61
VBF04	7.8	6.2	1.6	1.43	23.9	1.6	1.22
VBF06	11.0	9.1	2.2	0.80	35.9	2.4	0.87
VBF08	14.4	11.5	2.9	1.52	44.3	3.0	1.45
VBF10	19.0	14.8	3.8	2.94	56.2	3.8	2.58
VBF12	21.8	17.3	4.3	2.04	66.9	4.6	2.05

4-PIPE SYSTEM							
Model	2 Rows Cooling				1 Row Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
VBF02	3.8	3.2	0.8	0.29	8.5	0.6	0.49
VBF03	5.3	4.3	1.1	0.61	11.0	0.8	0.90
VBF04	7.5	6.0	1.5	1.33	14.7	1.0	1.76
VBF06	10.5	8.7	2.1	0.74	22.3	1.5	5.24
VBF08	13.7	10.9	2.7	1.39	27.3	1.9	9.08
VBF10	18.3	14.0	3.6	2.71	34.2	2.3	16.70
VBF12	20.8	16.5	4.2	1.87	41.1	2.8	27.50

2-PIPE SYSTEM							
Model	3 Rows Cooling				3 Rows Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
VBF02	5.8	4.3	1.2	0.96	17.5	1.2	0.79
VBF03	7.9	5.8	1.6	1.95	23.1	1.6	1.51
VBF04	11.0	8.0	2.2	4.14	31.2	2.1	3.03
VBF06	15.8	11.9	3.2	2.15	46.9	3.2	1.88
VBF08	20.3	14.8	4.1	3.89	57.5	3.9	3.14
VBF10	24.5	18.2	4.9	2.92	71.6	4.9	2.64
VBF12	30.6	22.2	6.1	4.88	86.8	5.9	4.16

4-PIPE SYSTEM							
Model	3 Rows Cooling				1 Row Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
VBF02	5.5	4.1	1.1	0.89	8.2	0.6	0.46
VBF03	7.5	5.6	1.5	1.78	10.6	0.7	0.85
VBF04	10.4	7.6	2.1	3.79	14.0	1.0	1.66
VBF06	15.2	11.3	3.0	1.97	21.4	1.5	4.90
VBF08	19.4	14.0	3.9	3.57	26.1	1.8	8.49
VBF10	23.4	17.2	4.7	2.67	32.7	2.2	15.54
VBF12	29.3	21.1	5.9	4.47	39.4	2.7	25.63

2-PIPE SYSTEM							
Model	4 Rows Cooling				4 Rows Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
VBF02	7.0	4.9	1.4	1.86	19.4	1.3	1.30
VBF03	9.5	6.6	1.9	3.70	25.8	1.8	2.48
VBF04	11.5	8.4	2.3	1.16	34.0	2.3	1.01
VBF06	19.2	13.4	3.8	3.84	52.4	3.6	2.87
VBF08	24.2	16.6	4.8	6.79	64.0	4.4	4.75
VBF10	29.5	20.5	5.9	4.91	79.8	5.4	3.83
VBF12	36.6	25.1	7.3	8.13	96.5	6.6	6.03

4-PIPE SYSTEM							
Model	4 Rows Cooling				1 Row Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
VBF02	6.7	4.6	1.3	1.68	7.8	0.5	0.43
VBF03	9.0	6.2	1.8	3.34	10.1	0.7	0.80
VBF04	10.9	7.9	2.2	1.04	13.4	0.9	1.53
VBF06	18.2	12.7	3.6	3.46	20.4	1.4	4.57
VBF08	22.9	15.6	4.6	6.12	24.9	1.7	7.88
VBF10	27.9	19.3	5.6	4.41	31.2	2.1	14.38
VBF12	34.6	23.6	6.9	7.30	37.5	2.6	23.69

2-PIPE SYSTEM							
Model	5 Rows Cooling				5 Rows Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
VBF02	7.7	5.1	1.5	2.79	20.0	1.4	1.73
VBF03	10.4	7.0	2.1	5.51	26.7	1.8	3.31
VBF04	13.0	9.0	2.6	1.71	35.4	2.4	1.29
VBF06	21.1	14.2	4.2	5.47	54.4	3.7	3.63
VBF08	26.4	17.4	5.3	9.56	66.1	4.5	6.00
VBF10	32.4	21.5	6.5	6.73	82.5	5.6	4.67
VBF12	39.8	26.3	7.9	11.00	99.7	6.8	7.36

Nominal Air Volumes			
Model	cfm (1)		
	High	Med	Low
VBF02	235	209	182
VBF03	316	262	203
VBF04	433	310	225
VBF06	653	471	321
VBF08	781	615	449
VBF10	979	861	567
VBF12	1177	931	642

Model	Motor	
	HP	Total AMPS
VBF02	1/30	0.5
VBF03	1/30	0.5
VBF04	1/20	0.8
VBF06	1/20	0.8
VBF08	1/20	0.8
VBF10	1/20	0.8
VBF12	1/20	0.8

- Standard basic unit
- All ratings are based at sea level altitude, nominal air volumes at 0 external static pressure and with water as the cooling fluid
- Cooling capacities are based on 80°F DB/67°F WB entering air, 45°F entering water, 10°F water temperature rise and high fan speed
- Heating capacities are based on 70°F DB entering air temperature, 180°F entering hot water, 30°F water temperature drop and high fan speed

1. Nominal air volume ratings are based on a 2-row coil at sea level altitude with 0 external static pressure

1. Electric ratings are based on units suitable for a power supply of 115V/1Ph/60Hz

