

PERFORMANCE DATA



Fan Coils

BVC 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
BVC02	4.0	3.4	0.8	0.31	13.4	0.9	0.32
BVC03	5.5	4.5	1.1	0.65	17.8	1.2	0.61
BVC04	7.8	6.2	1.6	1.43	23.9	1.6	1.22
BVC06	11.0	9.1	2.2	0.80	35.9	2.4	0.87
BVC08	14.4	11.5	2.9	1.52	44.3	3.0	1.45
BVC10	19.0	14.8	3.8	2.94	56.2	3.8	2.58
BVC12	21.8	17.3	4.3	2.04	66.9	4.6	2.05

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
BVC02	5.8	4.3	1.2	0.96	17.5	1.2	0.79
BVC03	7.9	5.8	1.6	1.95	23.1	1.6	1.51
BVC04	11.0	8.0	2.2	4.14	31.2	2.1	3.03
BVC06	15.8	11.9	3.2	2.15	46.9	3.2	1.88
BVC08	20.3	14.8	4.1	3.89	57.5	3.9	3.14
BVC10	24.5	18.2	4.9	2.92	71.6	4.9	2.64
BVC12	30.6	22.2	6.1	4.88	86.8	5.9	4.16

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
BVC02	7.0	4.9	1.4	1.86	19.4	1.3	1.30
BVC03	9.5	6.6	1.9	3.70	25.8	1.8	2.48
BVC04	11.5	8.4	2.3	1.16	34.0	2.3	1.01
BVC06	19.2	13.4	3.8	3.84	52.4	3.6	2.87
BVC08	24.2	16.6	4.8	6.79	64.0	4.4	4.75
BVC10	29.5	20.5	5.9	4.91	79.8	5.4	3.83
BVC12	36.6	25.1	7.3	8.13	96.5	6.6	6.03

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
BVC02	7.7	5.1	1.5	2.79	20.0	1.4	1.73
BVC03	10.4	7.0	2.1	5.51	26.7	1.8	3.31
BVC04	13.0	9.0	2.6	1.71	35.4	2.4	1.29
BVC06	21.1	14.2	4.2	5.47	54.4	3.7	3.63
BVC08	26.4	17.4	5.3	9.56	66.1	4.5	6.00
BVC10	32.4	21.5	6.5	6.73	82.5	5.6	4.67
BVC12	39.8	26.3	7.9	11.00	99.7	6.8	7.36

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
BVC02	3.8	3.2	0.8	0.29	8.5	0.6	0.49
BVC03	5.3	4.3	1.1	0.61	11.0	0.8	0.90
BVC04	7.5	6.0	1.5	1.33	14.7	1.0	1.76
BVC06	10.5	8.7	2.1	0.74	22.3	1.5	5.24
BVC08	13.7	10.9	2.7	1.39	27.3	1.9	9.08
BVC10	18.3	14.0	3.6	2.71	34.2	2.3	16.70
BVC12	20.8	16.5	4.2	1.87	41.1	2.8	27.50

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
BVC02	5.5	4.1	1.1	0.89	8.2	0.6	0.46
BVC03	7.5	5.6	1.5	1.78	10.6	0.7	0.85
BVC04	10.4	7.6	2.1	3.79	14.0	1.0	1.66
BVC06	15.2	11.3	3.0	1.97	21.4	1.5	4.90
BVC08	19.4	14.0	3.9	3.57	26.1	1.8	8.49
BVC10	23.4	17.2	4.7	2.67	32.7	2.2	15.54
BVC12	29.3	21.1	5.9	4.47	39.4	2.7	25.63

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
BVC02	6.7	4.6	1.3	1.68	7.8	0.5	0.43
BVC03	9.0	6.2	1.8	3.34	10.1	0.7	0.80
BVC04	10.9	7.9	2.2	1.04	13.4	0.9	1.53
BVC06	18.2	12.7	3.6	3.46	20.4	1.4	4.57
BVC08	22.9	15.6	4.6	6.12	24.9	1.7	7.88
BVC10	27.9	19.3	5.6	4.41	31.2	2.1	14.38
BVC12	34.6	23.6	6.9	7.30	37.5	2.6	23.69

1. Standard basic unit.
2. All ratings are based at sea level altitude, nominal air volumes at 0 external static pressure and with water as the cooling fluid.

3. 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.
4. 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.

PERFORMANCE DATA

Nominal Air Volumes			
Model	cfm (1)		
	High	Med	Low
BVC02	235	209	182
BVC03	316	262	203
BVC04	433	310	225
BVC06	653	471	321
BVC08	781	615	449
BVC10	979	861	567
BVC12	1177	931	642

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

Model	Motor	
	HP	Total AMPS
BVC02	1/30	0.5
BVC03	1/30	0.5
BVC04	1/20	0.8
BVC06	1/20	0.8
BVC08	1/20	0.8
BVC10	1/20	0.8
BVC12	1/20	0.8

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