

PERFORMANCE DATA



Fan Coils

BVS ANGLED 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
BVS02	4.0	3.4	0.8	0.31	13.4	0.9	0.32
BVS03	5.5	4.5	1.1	0.65	17.8	1.2	0.61
BVS04	7.8	6.2	1.6	1.43	23.9	1.6	1.22
BVS06	11.0	9.1	2.2	0.80	35.9	2.4	0.87
BVS08	14.4	11.5	2.9	1.52	44.3	3.0	1.45
BVS10	19.1	14.8	3.8	2.94	56.2	3.8	2.58
BVS12	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
BVS02	5.8	4.3	1.2	0.96	17.5	1.2	0.79
BVS03	7.9	5.9	1.6	1.95	23.1	1.6	1.51
BVS04	11.0	8.0	2.2	4.14	31.2	2.1	3.03
BVS06	15.8	11.9	3.2	2.15	46.9	3.2	1.88
BVS08	20.3	14.8	4.1	3.89	57.5	3.9	3.14
BVS10	24.5	18.2	4.9	2.92	71.6	4.9	2.64
BVS12	30.7	22.3	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
BVS02	7.0	4.9	1.4	1.86	19.5	1.3	1.30
BVS03	9.5	6.6	1.9	3.70	25.8	1.8	2.48
BVS04	11.5	8.4	2.3	1.16	34.0	2.3	1.01
BVS06	19.2	13.4	3.8	3.84	52.5	3.6	2.87
BVS08	24.2	16.6	4.8	6.79	64.0	4.4	4.75
BVS10	29.6	20.5	5.9	4.91	79.8	5.4	3.83
BVS12	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
BVS02	7.7	5.2	1.5	2.79	20.0	1.4	1.73
BVS03	10.4	7.0	2.1	5.51	26.7	1.8	3.31
BVS04	13.0	9.0	2.6	1.71	35.0	2.4	1.29
BVS06	21.1	14.1	4.2	5.47	54.4	3.7	3.63
BVS08	26.4	17.4	5.3	9.56	66.1	4.5	6.00
BVS10	32.4	21.5	6.5	6.73	82.5	5.6	4.67
BVS12	39.8	26.3	7.9	11.02	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
BVS02	3.8	3.2	0.8	0.29	8.6	0.6	0.49
BVS03	5.3	4.3	1.1	0.61	11.1	0.8	0.90
BVS04	7.5	5.9	1.5	1.33	14.7	1.0	1.76
BVS06	10.5	8.7	2.1	0.74	22.4	1.5	5.24
BVS08	13.7	11.0	2.7	1.39	27.3	1.9	9.08
BVS10	18.3	14.1	3.6	2.71	34.2	2.3	16.70
BVS12	20.8	16.5	4.2	1.87	41.1	2.8	27.52

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
BVS02	5.5	4.1	1.1	0.89	8.2	0.6	0.46
BVS03	7.5	5.6	1.5	1.78	10.6	0.7	0.85
BVS04	10.5	7.6	2.1	3.79	14.0	1.0	1.66
BVS06	15.1	11.2	3.0	1.97	21.3	1.5	4.91
BVS08	19.4	14.0	3.9	3.57	26.1	1.8	8.49
BVS10	23.4	17.2	4.7	2.67	32.7	2.2	15.54
BVS12	29.3	21.1	5.9	4.47	39.4	2.7	25.60

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
BVS02	6.7	4.6	1.3	1.68	7.8	0.5	0.43
BVS03	9.0	6.2	1.8	3.34	10.1	0.7	0.80
BVS04	10.9	7.9	2.2	1.04	13.4	0.9	1.53
BVS06	18.2	12.6	3.6	3.46	20.4	1.4	4.57
BVS08	22.9	15.6	4.6	6.12	24.9	1.7	7.88
BVS10	27.9	19.3	5.6	4.41	31.2	2.1	14.38
BVS12	34.6	23.6	6.9	7.30	37.6	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
BVS02	235	209	182
BVS03	316	262	203
BVS04	433	310	225
BVS06	653	471	321
BVS08	781	615	449
BVS10	979	861	567
BVS12	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
BVS02	1/30	0.5
BVS03	1/30	0.5
BVS04	1/20	0.8
BVS06	1/20	0.8
BVS08	1/20	0.8
BVS10	1/20	0.8
BVS12	1/20	0.8

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