

PERFORMANCE DATA



Fan Coils

BVR CONCEALED FLOOR

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
BVR02	4.1	3.5	0.8	0.33	13.8	0.9	0.34
BVR03	5.6	4.6	1.1	0.66	18.0	1.2	0.62
BVR04	7.9	6.3	1.6	1.47	24.4	1.7	1.26
BVR06	11.1	9.3	2.2	0.83	36.5	2.5	0.90
BVR08	14.4	11.5	2.9	1.52	44.3	3.0	1.45
BVR10	19.1	14.8	3.8	2.95	56.5	3.9	2.60
BVR12	21.9	17.5	4.4	2.06	67.8	4.6	2.10

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
BVR02	5.9	4.5	1.2	1.01	18.1	1.2	0.84
BVR03	8.0	5.9	1.6	1.99	23.4	1.6	1.55
BVR04	11.2	8.2	2.2	4.26	31.8	2.2	3.14
BVR06	16.1	12.1	3.2	2.21	47.8	3.3	1.95
BVR08	20.3	14.8	4.0	3.89	57.6	3.9	3.14
BVR10	24.6	18.2	4.9	2.93	71.9	4.9	2.67
BVR12	31.0	22.6	6.2	4.97	88.0	6.0	4.27

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
BVR02	7.2	5.1	1.4	1.97	20.1	1.4	1.39
BVR03	9.6	6.7	1.9	3.78	26.0	1.8	2.55
BVR04	11.7	8.6	2.3	1.19	34.7	2.4	1.05
BVR06	19.5	13.7	3.9	3.95	53.5	3.7	2.97
BVR08	24.2	16.6	4.8	6.77	64.0	4.4	4.75
BVR10	29.7	20.6	5.9	4.94	80.2	5.5	3.87
BVR12	37.0	25.4	7.4	8.31	97.9	6.7	6.19

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
BVR02	8.0	5.4	1.6	2.97	20.8	1.4	1.86
BVR03	10.6	7.1	2.1	5.64	27.0	1.8	3.40
BVR04	13.2	9.1	2.6	1.77	36.2	2.5	1.34
BVR06	21.5	14.4	4.3	5.66	55.6	3.8	3.78
BVR08	26.4	17.4	5.3	9.56	66.1	4.5	6.00
BVR10	32.5	21.7	6.5	6.78	82.9	5.7	4.72
BVR12	40.4	26.7	8.1	11.30	101.2	6.9	7.58

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
BVR02	3.9	3.3	0.8	0.31	7.7	0.5	0.41
BVR03	5.4	4.4	1.1	0.63	10.0	0.7	0.76
BVR04	7.6	6.1	1.5	1.36	13.6	0.9	1.53
BVR06	10.7	8.9	2.1	0.76	21.2	1.4	4.76
BVR08	13.7	10.9	2.7	1.39	25.8	1.8	8.21
BVR10	18.4	14.2	3.7	2.76	32.8	2.2	15.46
BVR12	21.0	16.7	4.2	1.91	40.0	2.7	26.00

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
BVR02	5.7	4.3	1.1	0.94	7.4	0.5	0.39
BVR03	7.6	5.6	1.5	1.81	9.7	0.7	0.72
BVR04	10.7	7.8	2.1	3.90	13.0	0.9	1.46
BVR06	15.4	11.5	3.1	2.03	20.4	1.4	4.50
BVR08	19.4	14.0	3.9	3.57	24.8	1.7	7.73
BVR10	23.5	17.3	4.7	2.69	31.4	2.1	14.44
BVR12	29.6	21.4	5.9	4.56	38.3	2.6	24.40

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
BVR02	6.9	4.8	1.4	1.78	7.1	0.5	0.37
BVR03	9.1	6.3	1.8	3.39	9.2	0.6	0.68
BVR04	11.1	8.1	2.2	1.07	12.4	0.9	1.36
BVR06	18.5	12.9	3.7	3.57	19.4	1.3	4.22
BVR08	22.9	15.6	4.6	6.11	23.6	1.6	7.21
BVR10	28.0	19.4	5.6	4.43	30.0	2.0	13.43
BVR12	34.9	23.9	7.0	7.42	36.6	2.5	22.65

- 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.

PERFORMANCE DATA

Nominal Air Volumes			
Model	cfm (1)		
	High	Med	Low
BVR02	246	214	187
BVR03	321	268	209
BVR04	444	326	241
BVR06	669	482	332
BVR08	781	626	471
BVR10	984	872	583
BVR12	1198	952	669

Air Volume (cfm) Vs External Static Pressure in wg (2)						
Model	0.05	0.10	0.15	0.20	0.25	0.30
BVR02	198	150	102	-	-	-
BVR03	278	241	193	166	-	-
BVR04	402	363	338	310	235	-
BVR06	602	545	509	473	380	-
BVR08	690	624	578	542	497	419
BVR10	912	839	769	693	601	476
BVR12	1107	1043	987	928	858	775

- Nominal air volume ratings are based on a 2-row coil at sea level altitude with 0 external static pressure.
- Air volumes at alternative external static pressures are based at high fan speed.

Model	Motor	
	HP	Total AMPS
BVR02	1/30	0.5
BVR03	1/30	0.5
BVR04	1/20	0.8
BVR06	1/20	0.8
BVR08	1/20	0.8
BVR10	1/20	0.8
BVR12	1/20	0.8

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