

PERFORMANCE DATA



Fan Coils

BHR CONCEALED CEILING WITH PLENUM

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
BHR02	4.1	3.3	0.8	0.34	13.2	0.9	0.32
BHR03	5.9	4.8	1.2	0.77	18.6	1.3	0.69
BHR04	8.7	7.0	1.7	1.84	26.9	1.8	1.56
BHR06	11.6	9.7	2.3	0.92	37.6	2.6	0.97
BHR08	15.0	11.9	3.0	1.66	45.9	3.1	1.58
BHR10	21.2	16.7	4.2	3.66	62.9	4.3	3.24
BHR12	24.1	19.4	4.8	2.50	74.3	5.1	2.54

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
BHR02	5.8	4.2	1.2	1.00	17.0	1.2	0.78
BHR03	8.4	6.1	1.7	2.25	24.2	1.6	1.70
BHR04	12.5	9.1	2.5	5.39	35.2	2.4	3.92
BHR06	16.8	12.6	3.4	2.44	49.5	3.4	2.12
BHR08	21.1	15.3	4.2	4.26	59.7	4.1	3.41
BHR10	27.5	20.6	5.5	3.67	80.7	5.5	3.36
BHR12	34.0	25.0	6.8	6.02	97.1	6.6	5.20

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
BHR02	6.9	4.8	1.4	1.88	18.7	1.3	1.26
BHR03	10.0	6.9	2.0	4.21	26.9	1.8	2.78
BHR04	13.1	9.6	2.6	1.52	38.5	2.6	1.31
BHR06	20.4	14.3	4.1	4.36	55.5	3.8	3.25
BHR08	23.5	16.6	4.7	2.88	65.5	4.5	2.40
BHR10	33.3	23.4	6.6	6.24	90.7	6.2	4.94
BHR12	39.0	27.6	7.8	5.82	100.8	7.4	4.96

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
BHR02	7.6	5.0	1.5	2.77	19.2	1.3	1.65
BHR03	9.8	6.8	2.0	0.93	27.1	1.9	0.72
BHR04	14.7	10.2	2.9	2.23	40.4	2.8	1.68
BHR06	22.4	15.0	4.5	6.20	57.7	3.9	4.13
BHR08	26.0	17.5	5.2	4.00	68.0	4.6	2.93
BHR10	35.2	24.0	7.0	4.91	93.7	6.4	3.93
BHR12	43.2	29.2	8.6	7.86	112.4	7.7	5.99

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
BHR02	3.9	3.2	0.8	0.31	7.5	0.5	0.40
BHR03	5.7	4.6	1.1	0.72	10.4	0.7	0.84
BHR04	8.4	6.7	1.7	1.72	14.9	1.0	1.89
BHR06	11.2	9.3	2.2	0.85	22.0	1.5	5.24
BHR08	14.3	11.3	2.9	1.52	25.8	1.8	1.22
BHR10	20.4	15.9	4.1	3.39	35.0	2.4	2.60
BHR12	23.0	18.4	4.6	2.28	42.3	2.9	4.22

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
BHR02	5.5	4.0	1.1	0.93	7.2	0.5	0.38
BHR03	8.0	5.8	1.6	2.07	10.0	0.7	0.80
BHR04	11.9	8.7	2.4	4.92	14.4	1.0	1.80
BHR06	16.0	11.9	3.2	2.22	21.1	1.4	4.94
BHR08	20.2	14.5	4.0	3.91	24.8	1.7	1.27
BHR10	26.2	19.5	5.2	3.34	33.7	2.3	2.60
BHR12	32.6	23.8	6.5	5.53	40.6	2.8	4.28

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
BHR02	6.6	4.5	1.3	1.70	6.9	0.5	0.36
BHR03	9.5	6.5	1.9	3.81	9.6	0.7	0.76
BHR04	12.3	9.0	2.5	1.35	13.7	0.9	1.68
BHR06	19.2	13.4	3.8	3.91	20.2	1.4	4.63
BHR08	22.2	15.6	4.4	2.58	23.7	1.6	1.25
BHR10	31.6	22.0	6.3	5.64	32.2	2.2	2.63
BHR12	37.0	26.0	7.4	5.23	38.9	2.7	4.19

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
BHR02	219	187	171
BHR03	326	289	230
BHR04	503	391	310
BHR06	696	567	439
BHR08	813	647	535
BHR10	1150	867	696
BHR12	1370	931	781

Air Volume (cfm) Vs External Static Pressure in wg (2)						
Model	0.05	0.10	0.15	0.20	0.25	0.30
BHR02	198	182	166	-	-	-
BHR03	289	262	219	150	-	-
BHR04	478	441	399	341	245	-
BHR06	651	613	569	504	401	-
BHR08	777	722	681	658	628	536
BHR10	1075	1012	939	848	737	616
BHR12	1297	1236	1171	1095	1015	947

- 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
BHR02	1/20	0.8
BHR03	1/20	0.8
BHR04	1/20	0.8
BHR06	1/10	1.5
BHR08	1/10	1.5
BHR10	1/10	1.5
BHR12	1/10	1.5

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