

PERFORMANCE DATA



Fan Coils

BHO CONCEALED CEILING

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
BHO02	4.3	3.6	0.9	0.39	14.2	1.0	0.37
BHO03	6.3	5.1	1.2	0.85	19.8	1.4	0.77
BHO04	9.2	7.5	1.8	2.02	28.5	1.9	1.74
BHO06	12.4	10.5	2.5	1.03	40.6	2.8	1.12
BHO08	15.8	12.8	3.2	1.86	48.0	3.3	1.78
BHO10	22.0	17.4	4.4	3.94	65.7	4.5	3.52
BHO12	25.1	20.4	5.0	2.72	78.0	5.3	2.78

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
BHO02	6.2	4.6	1.2	1.16	18.4	1.3	0.92
BHO03	8.7	6.6	1.8	2.50	25.8	1.8	1.92
BHO04	13.2	9.8	2.6	6.01	37.5	2.6	4.41
BHO06	18.0	13.6	3.6	2.78	53.5	3.6	2.46
BHO08	22.5	16.5	4.5	4.81	64.0	4.4	3.90
BHO10	28.6	21.6	5.7	3.97	84.5	5.8	3.67
BHO12	35.7	26.4	7.1	6.60	102.3	7.0	5.75

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
BHO02	7.5	5.2	1.5	2.19	20.5	1.4	1.50
BHO03	10.7	7.4	2.1	4.75	28.8	2.0	3.18
BHO04	13.9	10.3	2.8	1.71	41.2	2.8	1.49
BHO06	21.9	15.5	4.4	5.01	60.3	4.1	3.80
BHO08	25.1	17.9	5.0	3.29	70.7	4.8	2.77
BHO10	34.8	24.6	7.0	6.81	95.4	6.5	5.44
BHO12	41.2	29.3	8.2	6.45	110.4	7.8	5.54

2-PIPE SYSTEM							
Model	5 Rows Cooling				5 Rows Heating		
	Total	Sensible	Flow	PD	Sensible	Flow	PD
	MBH	MBH	GPM	ft WG	MBH	GPM	ft WG
BHO02	8.2	5.4	1.6	3.26	21.1	1.4	1.98
BHO03	10.4	7.3	2.1	1.05	29.3	2.0	0.83
BHO04	15.7	11.0	3.1	2.52	43.4	3.0	1.93
BHO06	24.3	16.4	4.9	7.27	63.0	4.3	4.88
BHO08	28.0	19.0	5.6	4.60	73.7	5.0	3.41
BHO10	36.9	25.4	7.4	5.39	98.9	6.7	4.35
BHO12	45.6	30.9	9.1	8.71	119.3	8.1	6.71

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
BHO02	4.1	3.4	0.8	0.35	8.0	0.5	0.46
BHO03	6.0	4.8	1.2	1.89	11.0	0.8	0.93
BHO04	8.9	7.2	1.8	1.89	15.7	1.1	2.07
BHO06	11.9	10.0	2.4	0.96	23.4	1.6	5.89
BHO08	15.3	12.2	3.0	1.72	27.3	1.9	1.36
BHO10	21.2	16.6	4.2	3.65	36.4	2.5	2.80
BHO12	24.2	19.5	4.8	2.52	44.1	3.0	4.58

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
BHO02	6.0	4.4	1.2	1.07	7.7	0.5	0.44
BHO03	8.5	6.3	1.7	2.33	10.6	0.7	0.89
BHO04	12.5	9.2	2.5	5.47	15.1	1.0	1.98
BHO06	17.2	12.9	3.4	2.55	22.5	1.5	5.57
BHO08	21.5	15.6	4.3	4.42	26.2	1.8	1.42
BHO10	27.3	20.5	5.5	3.63	35.0	2.4	2.81
BHO12	34.0	25.0	6.8	6.02	42.4	2.9	4.65

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
BHO02	7.1	4.9	1.4	1.98	7.4	0.5	0.42
BHO03	10.1	7.0	2.0	4.31	10.1	0.7	0.85
BHO04	13.1	9.7	2.6	1.53	14.4	1.0	1.85
BHO06	20.8	14.6	4.2	4.54	21.6	1.5	5.23
BHO08	23.8	16.8	4.8	2.96	25.1	1.7	1.40
BHO10	33.1	23.2	6.6	6.18	33.5	2.3	2.85
BHO12	38.9	27.5	7.8	5.79	40.6	2.8	4.57

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
BHO02	246	214	198
BHO03	358	316	278
BHO04	551	439	364
BHO06	776	631	471
BHO08	899	696	562
BHO10	1231	883	674
BHO12	1477	979	797

Air Volume (cfm) Vs External Static Pressure in wg (2)						
Model	0.05	0.10	0.15	0.20	0.25	0.30
BHO02	230	203	171	-	-	-
BHO03	321	299	235	177	-	-
BHO04	509	458	419	379	288	-
BHO06	727	664	599	525	417	-
BHO08	864	758	715	734	688	537
BHO10	1178	1095	988	869	751	652
BHO12	1405	1360	1293	1192	1090	1058

- 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
BHO02	1/20	0.8
BHO03	1/20	0.8
BHO04	1/20	0.8
BHO06	1/10	1.5
BHO08	1/10	1.5
BHO10	1/10	1.5
BHO12	1/10	1.5

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