

HHP CONCEALED CEILING WITH PLENUM

2-PIPE SYSTEM							
Model	3 Rows Cooling (1)				3 Rows Heating (1)		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
HHP06	15.5	13.4	3.1	2.92	51.9	3.5	2.83
HHP08	23.0	18.7	4.6	6.84	71.3	4.9	5.86
HHP10	27.5	21.9	5.5	10.27	83.1	5.7	8.38
HHP12	29.3	24.6	5.8	2.39	96.1	6.6	2.42
HHP14	36.7	30.6	7.3	3.89	117.9	8.0	3.77
HHP16	43.3	35.5	8.6	5.61	135.9	9.3	5.22
HHP18	49.8	39.8	9.9	7.83	151.9	10.4	6.92
HHP20	51.8	43.4	10.3	3.80	167.6	11.4	3.92

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
HHP06	10.0	9.7	2.0	0.89	20.1	1.4	1.19
HHP08	15.1	13.6	3.0	2.17	28.4	1.9	2.59
HHP10	18.2	16.0	3.6	3.29	33.4	2.3	3.76
HHP12	23.0	19.4	4.6	5.67	40.6	2.8	6.05
HHP14	23.8	22.3	4.8	1.28	49.3	3.4	9.32
HHP16	28.3	25.9	5.6	1.87	53.9	3.7	1.83
HHP18	32.8	29.1	6.6	2.65	61.0	4.2	2.52
HHP20	37.7	33.1	7.5	3.61	68.8	4.7	3.35

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
HHP06	19.9	15.6	4.0	6.05	60.8	4.2	5.03
HHP08	24.6	20.1	4.9	1.86	80.0	5.1	1.83
HHP10	29.5	23.5	5.9	2.78	93.4	6.4	2.61
HHP12	37.4	28.6	7.5	4.73	111.9	7.6	4.03
HHP14	46.4	35.5	9.3	7.53	137.6	9.4	6.32
HHP16	49.9	39.5	10.0	3.84	155.4	10.6	3.68
HHP18	57.0	44.1	11.4	5.25	173.1	11.8	4.81
HHP20	65.9	50.5	13.2	7.19	195.7	13.4	6.34

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
HHP06	15.1	12.8	3.0	2.77	19.6	1.3	1.16
HHP08	22.2	17.9	4.4	6.47	27.6	1.9	2.50
HHP10	26.4	20.9	5.3	9.55	32.4	2.2	3.63
HHP12	28.3	23.5	5.7	2.26	39.4	2.7	5.79
HHP14	35.5	29.3	7.1	3.67	47.8	3.3	8.97
HHP16	41.9	34.0	8.4	5.29	52.3	3.6	1.91
HHP18	48.1	38.1	9.6	7.35	59.2	4.0	2.61
HHP20	50.1	41.5	10.0	3.58	66.8	4.6	3.38

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
HHP06	19.6	15.6	3.9	1.30	63.3	4.3	1.26
HHP08	28.9	21.8	5.8	2.99	86.6	5.9	2.55
HHP10	34.4	25.5	6.9	4.41	100.7	6.9	3.60
HHP12	42.6	30.7	8.5	7.23	120.0	8.2	5.51
HHP14	49.4	36.8	9.9	4.15	145.6	9.9	3.60
HHP16	57.9	42.8	11.6	5.90	167.8	11.5	4.97
HHP18	65.8	47.6	13.1	7.98	186.0	12.7	6.43
HHP20	71.5	52.9	14.3	5.70	208.1	14.2	5.06

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
HHP06	19.3	14.9	3.8	5.70	19.0	1.3	1.12
HHP08	23.6	19.0	4.7	1.72	26.7	1.8	2.38
HHP10	28.2	22.3	5.6	2.56	31.4	2.1	3.46
HHP12	35.7	27.1	7.1	4.35	38.1	2.6	5.55
HHP14	44.7	33.8	8.9	7.05	46.3	3.2	8.60
HHP16	47.7	37.4	9.5	3.53	50.7	3.5	1.91
HHP18	54.8	41.9	11.0	4.88	57.4	3.9	2.60
HHP20	62.9	47.9	12.6	6.61	64.7	4.4	3.46

2-PIPE SYSTEM							
Model	6 Rows Cooling				6 Rows Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
HHP06	22.0	16.3	4.4	1.87	66.2	4.5	1.59
HHP08	31.8	22.7	6.4	4.17	90.1	6.1	3.20
HHP10	37.7	26.5	7.5	6.10	104.5	7.1	4.50
HHP12	43.3	30.7	8.6	3.48	122.0	8.3	2.78
HHP14	54.3	38.4	10.8	5.63	151.3	10.3	4.41
HHP16	63.4	44.6	12.7	7.94	174.3	11.9	6.08
HHP18	68.5	48.3	13.7	5.62	190.4	13.0	4.60
HHP20	78.3	55.1	15.6	7.53	216.1	14.7	6.07

4-PIPE SYSTEM							
Model	5 Rows Cooling				1 Row Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
HHP06	18.7	14.8	3.7	1.19	18.5	1.3	1.07
HHP08	27.9	20.8	5.6	2.80	26.0	1.8	2.31
HHP10	33.0	24.2	6.6	4.10	30.5	2.1	3.34
HHP12	43.9	29.3	8.2	6.74	36.9	2.5	5.33
HHP14	47.4	35.0	9.5	3.84	44.9	3.1	8.21
HHP16	55.8	40.8	11.1	5.51	49.3	3.4	1.97
HHP18	62.9	45.3	12.6	7.36	55.7	3.8	2.65
HHP20	68.5	50.3	13.7	5.27	62.8	4.3	3.44

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

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Model	Motor	
	HP	Total
	AMPS	
HHP06	1/4	3.6
HHP08	1/4	4.3
HHP10	1/4	4.3
HHP12	1/3	5.1
HHP14	2 x 1/4	2 x 4.2
HHP16	2 x 1/4	2 x 4.2
HHP18	2 x 1/4	2 x 4.5
HHP20	2 x 1/3	2 x 4.5

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

Model	Nominal Air Volumes		
	cfm (1)		
	High	Med	Low
HHP06	843	638	536
HHP08	1119	736	599
HHP10	1280	1094	774
HHP12	1486	1131	850
HHP14	1873	1265	1041
HHP16	2154	1434	1172
HHP18	2330	2008	1477
HHP20	2660	2258	1844

1. Nominal air volume ratings are based on a 3-row coil at sea level altitude with 0 external static pressure.
2. Air volumes are based at high fan speed.

