

PERFORMANCE DATA

AHO CONCEALED CEILING

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
AHO06	17.0	14.9	3.4	3.41	56.6	3.9	3.30
AHO08	24.1	20.0	4.8	7.45	75.7	5.2	6.50
AHO10	28.4	22.8	5.7	10.85	86.4	5.9	8.97
AHO12	29.7	25.1	5.9	2.46	97.9	6.7	2.50
AHO14	39.1	33.3	7.8	4.35	127.0	8.7	4.31
AHO16	45.2	37.7	9.0	6.07	143.4	9.8	5.76
AHO18	51.6	41.7	10.3	8.34	158.3	10.8	7.45
AHO20	53.8	45.6	10.7	4.08	175.3	12.0	4.25

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
AHO06	21.8	17.4	4.3	7.06	67.1	4.6	5.97
AHO08	26.1	21.6	5.2	2.06	85.4	5.8	2.06
AHO10	30.7	24.6	6.1	2.97	97.5	6.7	2.81
AHO12	38.0	29.2	7.6	4.86	114.1	7.8	4.17
AHO14	49.9	38.9	10.0	8.58	149.6	10.2	7.33
AHO16	52.6	42.2	10.5	4.23	164.9	11.3	4.11
AHO18	59.5	46.4	11.9	5.68	181.1	12.4	5.22
AHO20	68.5	53.2	13.7	7.71	205.7	14.0	6.93

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
AHO06	21.6	17.5	4.3	1.54	70.2	4.8	1.51
AHO08	30.7	23.5	6.1	3.34	92.9	6.3	2.89
AHO10	35.8	26.7	7.1	4.74	105.5	7.2	3.91
AHO12	43.3	31.3	8.7	7.46	122.5	8.4	5.72
AHO14	53.4	40.6	10.7	4.78	159.2	10.9	4.24
AHO16	61.2	45.8	12.2	6.52	179.0	12.2	5.59
AHO18	68.6	50.2	13.7	8.63	195.5	13.3	7.04
AHO20	74.9	56.0	15.0	6.22	219.6	15.0	5.59

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
AHO06	24.3	18.5	4.9	2.23	74.0	5.1	1.95
AHO08	34.0	24.6	6.8	4.70	97.2	6.6	3.66
AHO10	39.3	27.9	7.9	6.57	109.7	7.5	4.91
AHO12	44.1	31.4	8.8	3.60	124.7	8.5	2.90
AHO14	59.3	42.6	11.8	6.61	166.7	11.4	5.26
AHO16	67.6	48.0	13.5	8.94	186.9	12.8	6.90
AHO18	71.6	51.0	14.3	6.11	200.8	13.7	5.07
AHO20	82.3	58.5	16.4	8.25	228.9	15.6	6.75

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
AHO06	10.8	10.7	2.2	1.02	21.5	1.5	1.34
AHO08	15.8	14.5	3.2	2.36	29.8	2.0	2.81
AHO10	18.8	16.6	3.7	3.47	34.4	2.3	3.96
AHO12	23.3	19.8	4.7	5.80	41.1	2.8	6.19
AHO14	25.4	24.2	5.1	1.44	52.3	3.6	10.33
AHO16	29.5	27.4	5.9	2.03	56.1	3.8	1.97
AHO18	33.9	30.3	6.8	2.82	63.0	4.3	2.67
AHO20	39.1	34.7	7.8	3.86	71.3	4.9	3.57

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
AHO06	16.4	14.3	3.3	3.22	20.9	1.4	1.30
AHO08	23.4	19.1	4.7	7.06	29.0	2.0	2.73
AHO10	27.5	21.8	5.5	10.25	33.4	2.3	3.83
AHO12	28.7	24.0	5.7	2.32	39.9	2.7	5.92
AHO14	37.9	31.9	7.6	4.11	50.8	3.5	9.96
AHO16	43.8	36.1	8.7	5.74	54.5	3.7	2.06
AHO18	49.9	39.9	10.0	7.86	61.2	4.2	2.77
AHO20	52.1	43.7	10.4	3.84	69.3	4.7	3.60

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
AHO06	20.9	16.6	4.2	6.59	20.3	1.4	1.27
AHO08	25.1	20.5	5.0	1.92	28.1	1.9	2.60
AHO10	29.4	23.4	5.9	2.75	32.4	2.2	3.65
AHO12	36.2	27.6	7.2	4.47	38.6	2.6	5.68
AHO14	47.9	37.0	9.6	8.00	49.2	3.4	9.58
AHO16	50.4	40.1	10.1	3.92	52.9	3.6	2.07
AHO18	56.9	44.0	11.4	5.22	59.3	4.0	2.77
AHO20	66.0	50.6	13.2	7.21	67.1	4.6	3.71

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
AHO06	20.8	16.7	4.1	1.44	19.8	1.4	1.21
AHO08	29.5	22.4	5.9	3.11	27.3	1.9	2.52
AHO10	34.6	25.5	6.9	4.45	31.4	2.1	3.53
AHO12	41.7	29.9	8.3	6.96	37.4	2.6	5.47
AHO14	51.4	38.7	10.3	4.46	47.8	3.3	9.17
AHO16	58.9	43.6	11.8	6.08	51.4	3.5	2.14
AHO18	66.4	48.0	13.3	8.12	57.6	3.9	2.85
AHO20	72.4	53.5	14.4	5.83	65.2	4.4	3.70

- 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

Model	Motor	
	HP	Total AMPS
AHO06	1/4	3.60
AHO08	1/4	4.30
AHO10	1/4	4.30
AHO12	1/3	5.10
AHO14	2 x 1/4	2 x 4.20
AHO16	2 x 1/4	2 x 4.20
AHO18	2 x 1/4	2 x 4.50
AHO20	2 x 1/3	2 x 4.50

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
AHO06	992	671	548
AHO08	1243	733	593
AHO10	1366	989	754
AHO12	1528	1102	839
AHO14	2138	1264	1048
AHO16	2365	1434	1173
AHO18	2503	2013	1419
AHO20	2877	2306	1792

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.