

PERFORMANCE DATA



Fan Coils

AHC EXPOSED CABINET

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
AHC06	15.5	13.4	3.1	2.92	51.9	3.5	2.83
AHC08	23.0	18.7	4.6	6.84	71.3	4.9	5.86
AHC10	27.5	21.9	5.5	10.27	83.1	5.7	8.38
AHC12	29.3	24.6	5.8	2.39	96.1	6.6	2.42
AHC14	36.7	30.6	7.3	3.89	117.9	8.0	3.77
AHC16	43.3	35.5	8.6	5.61	135.9	9.3	5.22
AHC18	49.8	39.8	9.9	7.83	151.9	10.4	6.92
AHC20	51.8	43.4	10.3	3.80	167.6	11.4	3.92

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
AHC06	19.9	15.6	4.0	6.05	60.8	4.2	5.03
AHC08	24.6	20.1	4.9	1.86	80.0	5.1	1.83
AHC10	29.5	23.5	5.9	2.78	93.4	6.4	2.61
AHC12	37.4	28.6	7.5	4.73	111.9	7.6	4.03
AHC14	46.4	35.5	9.3	7.53	137.6	9.4	6.32
AHC16	49.9	39.5	10.0	3.84	155.4	10.6	3.68
AHC18	57.0	44.1	11.4	5.25	173.1	11.8	4.81
AHC20	65.9	50.5	13.2	7.19	195.7	13.4	6.34

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
AHC06	19.6	15.6	3.9	1.30	63.3	4.3	1.26
AHC08	28.9	21.8	5.8	2.99	86.6	5.9	2.55
AHC10	34.4	25.5	6.9	4.41	100.7	6.9	3.60
AHC12	42.6	30.7	8.5	7.23	120.0	8.2	5.51
AHC14	49.4	36.8	9.9	4.15	145.6	9.9	3.60
AHC16	57.9	42.8	11.6	5.90	167.8	11.5	4.97
AHC18	65.8	47.6	13.1	7.98	186.0	12.7	6.43
AHC20	71.5	52.9	14.3	5.70	208.1	14.2	5.06

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
AHC06	22.0	16.3	4.4	1.87	66.2	4.5	1.59
AHC08	31.8	22.7	6.4	4.17	90.1	6.1	3.20
AHC10	37.7	26.5	7.5	6.10	104.5	7.1	4.50
AHC12	43.3	30.7	8.6	3.48	122.0	8.3	2.78
AHC14	54.3	38.4	10.8	5.63	151.3	10.3	4.41
AHC16	63.4	44.6	12.7	7.94	174.3	11.9	6.08
AHC18	68.5	48.3	13.7	5.62	190.4	13.0	4.60
AHC20	78.3	55.1	15.6	7.53	216.1	14.7	6.07

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
AHC06	10.0	9.7	2.0	0.89	20.1	1.4	1.19
AHC08	15.1	13.6	3.0	2.17	28.4	1.9	2.59
AHC10	18.2	16.0	3.6	3.29	33.4	2.3	3.76
AHC12	23.0	19.4	4.6	5.67	40.6	2.8	6.05
AHC14	23.8	22.3	4.8	1.28	49.3	3.4	9.32
AHC16	28.3	25.9	5.6	1.87	53.9	3.7	1.83
AHC18	32.8	29.1	6.6	2.65	61.0	4.2	2.52
AHC20	37.7	33.1	7.5	3.61	68.8	4.7	3.35

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
AHC06	15.1	12.8	3.0	2.77	19.6	1.3	1.16
AHC08	22.2	17.9	4.4	6.47	27.6	1.9	2.50
AHC10	26.4	20.9	5.3	9.55	32.4	2.2	3.63
AHC12	28.3	23.5	5.7	2.26	39.4	2.7	5.79
AHC14	35.5	29.3	7.1	3.67	47.8	3.3	8.97
AHC16	41.9	34.0	8.4	5.29	52.3	3.6	1.91
AHC18	48.1	38.1	9.6	7.35	59.2	4.0	2.61
AHC20	50.1	41.5	10.0	3.58	66.8	4.6	3.38

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
AHC06	19.3	14.9	3.8	5.70	19.0	1.3	1.12
AHC08	23.6	19.0	4.7	1.72	26.7	1.8	2.38
AHC10	28.2	22.3	5.6	2.56	31.4	2.1	3.46
AHC12	35.7	27.1	7.1	4.35	38.1	2.6	5.55
AHC14	44.7	33.8	8.9	7.05	46.3	3.2	8.60
AHC16	47.7	37.4	9.5	3.53	50.7	3.5	1.91
AHC18	54.8	41.9	11.0	4.88	57.4	3.9	2.60
AHC20	62.9	47.9	12.6	6.61	64.7	4.4	3.46

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
AHC06	18.7	14.8	3.7	1.19	18.5	1.3	1.07
AHC08	27.9	20.8	5.6	2.80	26.0	1.8	2.31
AHC10	33.0	24.2	6.6	4.10	30.5	2.1	3.34
AHC12	43.9	29.3	8.2	6.74	36.9	2.5	5.33
AHC14	47.4	35.0	9.5	3.84	44.9	3.1	8.21
AHC16	55.8	40.8	11.1	5.51	49.3	3.4	1.97
AHC18	62.9	45.3	12.6	7.36	55.7	3.8	2.65
AHC20	68.5	50.3	13.7	5.27	62.8	4.3	3.44

- 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
AHC06	843	638	536
AHC08	1119	736	599
AHC10	1280	1094	774
AHC12	1486	1131	850
AHC14	1873	1265	1041
AHC16	2154	1434	1172
AHC18	2330	2008	1477
AHC20	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.

Model	Motor	
	HP	Total AMPS
AHC06	1/4	3.60
AHC08	1/4	4.30
AHC10	1/4	4.30
AHC12	1/3	5.10
AHC14	2 x 1/4	2 x 4.20
AHC16	2 x 1/4	2 x 4.20
AHC18	2 x 1/4	2 x 4.50
AHC20	2 x 1/3	2 x 4.50

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