

Multi-Pass Piping

Model	Entering Air Condition	Entering Water Temp (°F)	Leaving Water Temp (°F)	Maximum Output (BTU/hr)	Power Input [kW]	Heating COP	Air Cooling Capacity (BTU/hr)	Cooling COP	CFM
AHP280	25°F 60% RH	35	50	143,536	10.198	4.1	116,180	3.3	16,093
		40	55	141,448	10.202	4.1	114,294	3.3	
		50	65	139,020	10.656	3.8	110,626	3.0	
		60	75	138,634	11.726	3.5	106,548	2.7	
		70	85	138,226	12.942	3.1	102,498	2.3	
		80	95	138,590	14.566	2.8	97,962	2.0	
		90	105	139,088	16.504	2.5	92,440	1.6	
		100	115	140,458	18.878	2.2	86,372	1.3	
		110	125	143,352	21.960	1.9	79,342	1.1	
		125	140	145,954	24.880	1.7	73,114	1.0	
	35°F 60% RH	35	50	164,282	10.294	4.7	136,578	3.9	14,550
		40	55	161,656	10.300	4.6	134,464	3.8	
		50	65	158,828	10.882	4.3	129,448	3.5	
		60	75	157,774	11.922	3.9	124,902	3.1	
		70	85	157,092	13.148	3.5	120,804	2.7	
		80	95	156,922	14.632	3.1	115,984	2.3	
		90	105	156,874	16.348	2.8	110,536	2.0	
		100	115	157,790	18.514	2.5	104,622	1.7	
		110	125	159,418	21.260	2.2	97,508	1.3	
		125	140	161,836	24.360	1.9	90,462	1.1	
	45°F 60% RH	35	50	189,676	10.482	5.3	161,492	4.5	13,440
		40	55	186,460	10.490	5.2	158,120	4.4	
		50	65	182,658	11.202	4.8	152,978	4.0	
		60	75	179,164	12.208	4.3	146,104	3.5	
		70	85	177,792	13.400	3.9	140,648	3.1	
		80	95	176,612	14.800	3.5	134,984	2.7	
		90	105	176,440	16.486	3.1	129,968	2.3	
		100	115	176,310	18.340	2.8	123,584	2.0	
		110	125	177,670	20.740	2.5	117,754	1.7	
		120	135	178,966	23.440	2.2	110,770	1.4	
		130	145	181,570	27.200	2.0	101,242	1.1	
		145	160	183,228	30.920	1.7	91,112	0.9	
	55°F 60% RH	35	50	223,394	10.794	6.1	194,428	5.3	12,391
		40	55	220,094	10.884	5.9	191,456	5.2	
		50	65	214,890	11.698	5.4	183,224	4.6	
		60	75	209,946	12.696	4.8	175,048	4.0	
		70	85	205,434	13.844	4.3	167,662	3.5	
		80	95	202,512	15.208	3.9	160,246	3.1	
		90	105	201,172	16.808	3.5	153,394	2.7	
		100	115	199,932	18.684	3.1	146,540	2.3	
		110	125	199,452	20.780	2.8	139,110	2.0	
		120	135	200,224	23.320	2.5	131,620	1.7	
		130	145	201,164	26.320	2.2	123,840	1.4	
		145	160	203,180	30.000	2.0	113,728	1.1	

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AHP280	65°F 60% RH	35	50	259,066	11.152	6.8	229,638	6.0	11,402
		40	55	255,958	11.464	6.5	225,150	5.8	
		50	65	249,000	12.244	6.0	216,576	5.2	
		60	75	243,164	13.214	5.4	207,072	4.6	
		70	85	237,432	14.360	4.8	198,214	4.0	
		80	95	232,236	15.690	4.3	188,926	3.5	
		90	105	226,454	17.206	3.9	178,506	3.0	
		100	115	224,438	19.048	3.5	169,718	2.6	
		110	125	222,784	21.100	3.1	161,836	2.2	
		120	135	221,524	23.400	2.8	153,516	1.9	
		130	145	221,600	26.080	2.5	144,932	1.6	
		145	160	222,084	29.260	2.2	135,290	1.4	
	75°F 60% RH	35	50	297,288	11.766	7.4	267,946	6.7	10,556
		40	55	294,524	12.108	7.1	263,190	6.4	
		50	65	286,460	12.866	6.5	253,522	5.8	
		60	75	278,994	13.812	5.9	243,508	5.2	
		70	85	272,100	14.944	5.3	232,948	4.6	
		80	95	264,484	16.240	4.8	221,474	4.0	
		90	105	258,238	17.738	4.3	210,122	3.5	
		100	115	251,696	19.506	3.8	198,256	3.0	
		110	125	246,912	21.460	3.4	187,482	2.6	
		120	135	244,052	23.700	3.0	177,096	2.2	
		130	145	242,190	26.200	2.7	166,922	1.9	
		145	160	241,108	29.060	2.4	157,186	1.6	
	85°F 60% RH	35	50	326,724	12.218	7.8	295,974	7.1	9,583
		40	55	335,450	12.786	7.7	303,300	7.0	
		50	65	329,280	13.552	7.1	293,766	6.4	
		60	75	320,838	14.454	6.5	283,052	5.7	
		70	85	310,606	15.526	5.9	270,184	5.1	
		80	95	302,844	16.820	5.3	258,394	4.5	
		90	105	294,302	18.290	4.7	243,946	3.9	
		100	115	286,250	20.020	4.2	231,958	3.4	
		110	125	279,596	21.960	3.7	217,768	2.9	
		120	135	272,212	24.080	3.3	203,702	2.5	
		130	145	264,852	26.400	2.9	189,598	2.1	
		145	160	258,212	28.940	2.6	174,718	1.8	
	95°F 60% RH	35	50	344,852	12.412	8.1	313,014	7.4	8,339
		40	55	365,546	13.170	8.1	331,234	7.4	
		50	65	373,044	14.164	7.7	335,930	7.0	
		60	75	362,096	15.036	7.1	323,038	6.3	
		70	85	352,008	16.094	6.4	309,656	5.6	
		80	95	341,640	17.338	5.8	295,510	5.0	
		90	105	332,016	18.776	5.2	281,050	4.4	
		100	115	324,154	20.480	4.6	268,852	3.8	
		110	125	314,410	22.400	4.1	252,450	3.3	
		120	135	305,024	24.460	3.7	236,606	2.8	
		130	145	295,534	26.740	3.2	220,562	2.4	
		145	160	286,088	29.240	2.9	202,982	2.0	