

MODEL C25A PERFORMANCE

Model	Entering Air Condition	Entering Water Temp (°F)	Leaving Water Temp (°F)	Heating Capacity (Btu/hr)	Cooling Capacity (Btu/hr)	Power Input (kW)	Heating COP	Cooling COP	Combined COP	
C25A-____A	40°F 60% RH	50	57	17800	14600	0.98	5.3	4.4	9.7	
		60	67	17700	13900	1.17	4.4	3.5	7.9	
		70	77	17600	13400	1.28	4	3.1	7.1	
		80	86	17400	12800	1.4	3.6	2.7	6.3	
		90	96	17200	12100	1.55	3.3	2.3	5.5	
		100	106	17100	11500	1.71	2.9	2	4.9	
		110	116	17000	10800	1.89	2.6	1.7	4.3	
		120	126	17000	10100	2.07	2.4	1.4	3.8	
		130	136	17000	9800	2.15	2.3	1.3	3.7	
		140	146	16900	9500	2.32	2.1	1.2	3.3	
		50°F 60% RH	50	58	20700	17400	1.01	6.0	5.0	11.0
			60	68	20400	16500	1.21	4.9	4.0	8.9
			70	78	20300	16000	1.32	4.5	3.6	8.1
			80	87	20000	15300	1.44	4.1	3.1	7.2
	90		97	19800	14600	1.58	3.7	2.7	6.4	
	100		107	19600	13900	1.74	3.3	2.3	5.6	
	110		117	19400	13100	1.92	3.0	2.0	5.0	
	120		127	19200	12200	2.13	2.6	1.7	4.3	
	130		137	19100	11600	2.22	2.5	1.5	4.1	
	140		147	18900	10500	2.38	2.3	1.3	3.6	
	60°F 60% RH		50	59	23900	20500	1.05	6.7	5.7	12.4
			60	69	23600	19500	1.25	5.5	4.6	10.1
			70	79	23300	18900	1.36	5.0	4.1	9.1
			80	89	23100	18200	1.49	4.5	3.6	8.1
		90	98	22800	17400	1.63	4.1	3.1	7.2	
		100	108	22500	16600	1.8	3.7	2.7	6.4	
		110	118	22300	15700	1.98	3.3	2.3	5.6	
		120	128	21900	14700	2.18	2.9	2.0	4.9	
		130	138	21600	14100	2.35	2.7	1.8	4.5	
		140	148	21200	13600	2.49	2.5	1.6	4.1	
		70°F 60% RH	50	60	27600	24000	1.11	7.3	6.3	13.6
			60	70	27200	22900	1.31	6.1	5.1	11.2
			70	80	26800	22200	1.42	5.5	4.6	10.1
			80	90	26600	21500	1.54	5.1	4.1	9.2
	90		100	26200	20600	1.69	4.5	3.6	8.1	
	100		110	25800	19700	1.85	4.1	3.1	7.2	
	110		119	25300	18600	2.03	3.7	2.7	6.3	
	120		129	25000	17600	2.24	3.3	2.3	5.6	
	130		139	24800	16900	2.49	2.9	2.0	4.9	
	140		149	24500	16100	2.58	2.8	1.8	4.6	
	80°F 60% RH		50	62	31700	28000	1.17	8.0	7.0	15.0
			60	72	31200	26700	1.37	6.7	5.7	12.4
			70	81	30800	26000	1.48	6.1	5.1	11.2
			80	91	30400	25200	1.6	5.6	4.6	10.2
		90	101	30000	24200	1.75	5.0	4.1	9.1	
		100	111	29500	23200	1.91	4.5	3.6	8.1	
		110	121	29100	22100	2.1	4.1	3.1	7.1	
		120	131	28400	20800	2.3	3.6	2.6	6.3	
		130	140	27500	19100	2.61	3.1	2.1	5.2	
		140	150	26900	18300	2.72	2.9	2.0	4.9	
		90°F 60% RH	50	63	35100	31000	1.25	8.2	7.3	15.5
			60	72	33300	28700	1.4	7.0	6.0	13.0
70			83	35300	30200	1.55	6.7	5.7	12.4	
80			93	34600	29100	1.67	6.1	5.1	11.2	
90	103		33800	27800	1.81	5.5	4.5	10.0		
100	112		33000	26500	1.96	4.9	4.0	8.9		
110	122		32000	24900	2.14	4.4	3.4	7.8		
120	132		32200	24700	2.26	4.2	3.2	7.4		
130	141		31800	24300	2.89	3.2	2.5	5.7		
140	151		31600	24100	3.12	3.0	2.3	5.2		

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C25A-____B	40°F 60% RH	50	57	17800	14600	1.4	3.7	3.1	6.8
		60	67	17700	13900	1.59	3.3	2.6	5.8
		70	77	17600	13400	1.7	3.0	2.3	5.3
		80	86	17400	12800	1.82	2.8	2.1	4.9
		90	96	17200	12100	1.97	2.6	1.8	4.4
		100	106	17100	11500	2.13	2.4	1.6	3.9
		110	116	17000	10800	2.31	2.2	1.4	3.5
		120	126	17000	10100	2.49	2.0	1.2	3.2
	50°F 60% RH	130	136	17000	9800	2.63	1.9	1.1	3.0
		140	146	16900	9500	2.8	1.8	1.0	2.8
		50	58	20700	17400	1.43	4.2	3.6	7.8
		60	68	20400	16500	1.63	3.7	3.0	6.6
		70	78	20300	16000	1.74	3.4	2.7	6.1
		80	87	20000	15300	1.86	3.2	2.4	5.6
		90	97	19800	14600	2	2.9	2.1	5.0
		100	107	19600	13900	2.16	2.7	1.9	4.5
	60°F 60% RH	110	117	19400	13100	2.34	2.4	1.6	4.1
		120	127	19200	12200	2.55	2.2	1.4	3.6
		130	137	19100	11600	2.7	2.1	1.3	3.3
		140	147	18900	10500	2.86	1.9	1.1	3.0
		50	59	23900	20500	1.47	4.8	4.1	8.8
		60	69	23600	19500	1.67	4.1	3.4	7.6
		70	79	23300	18900	1.78	3.8	3.1	6.9
		80	89	23100	18200	1.91	3.5	2.8	6.3
	70°F 60% RH	90	98	22800	17400	2.05	3.3	2.5	5.7
		100	108	22500	16600	2.22	3.0	2.2	5.2
		110	118	22300	15700	2.4	2.7	1.9	4.6
		120	128	21900	14700	2.6	2.5	1.7	4.1
		130	138	21600	14100	2.83	2.2	1.5	3.7
		140	148	21200	13600	2.97	2.1	1.3	3.4
		50	60	27600	24000	1.53	5.3	4.6	9.9
		60	70	27200	22900	1.73	4.6	3.9	8.5
	80°F 60% RH	70	80	26800	22200	1.84	4.3	3.5	7.8
		80	90	26600	21500	1.96	4.0	3.2	7.2
		90	100	26200	20600	2.11	3.6	2.9	6.5
		100	110	25800	19700	2.27	3.3	2.5	5.9
		110	119	25300	18600	2.45	3.0	2.2	5.3
		120	129	25000	17600	2.66	2.8	1.9	4.7
		130	139	24800	16900	2.97	2.4	1.7	4.1
		140	149	24500	16100	3.06	2.3	1.5	3.9
	90°F 60% RH	50	62	31700	28000	1.59	5.9	5.2	11.0
		60	72	31200	26700	1.79	5.1	4.4	9.5
		70	81	30800	26000	1.9	4.7	4.0	8.8
		80	91	30400	25200	2.02	4.4	3.7	8.1
		90	101	30000	24200	2.17	4.1	3.3	7.3
		100	111	29500	23200	2.33	3.7	2.9	6.6
		110	121	29100	22100	2.52	3.4	2.6	6.0
		120	131	28400	20800	2.72	3.1	2.2	5.3
	130	140	27500	19100	3.09	2.6	1.8	4.4	
	140	150	26900	18300	3.2	2.5	1.7	4.1	
	50	63	35100	31000	1.67	6.2	5.4	11.6	
	60	72	33300	28700	1.82	5.4	4.6	10.0	
	70	83	35300	30200	1.97	5.3	4.5	9.7	
	80	93	34600	29100	2.09	4.9	4.1	8.9	
	90	103	33800	27800	2.23	4.4	3.7	8.1	
	100	112	33000	26500	2.38	4.1	3.3	7.3	
	110	122	32000	24900	2.56	3.7	2.8	6.5	
	120	132	32200	24700	2.68	3.5	2.7	6.2	
	130	141	31800	24300	3.37	2.8	2.1	4.9	
	140	151	31600	24100	3.6	2.6	2.0	4.5	

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