

# MODEL C125A 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	
C125A - _ _ _ A	40°F 60% RH	50	57	92000	75400	5.27	5.1	4.2	9.3	
		60	67	91700	74300	5.49	4.9	4	8.9	
		70	76	90900	71600	6.05	4.4	3.5	7.9	
		80	86	89900	68400	6.7	3.9	3	6.9	
		90	96	89200	65200	7.44	3.5	2.6	6.1	
		100	106	88500	61600	8.29	3.1	2.2	5.3	
		110	116	88000	57500	9.34	2.8	1.8	4.6	
		120	126	87700	53200	10.5	2.4	1.5	3.9	
		130	136	87500	48600	11.80	2.2	1.2	3.4	
		140	146	86400	45300	12.02	2.1	1.1	3.2	
		50°F 60% RH	50	58	107600	90400	5.75	5.8	4.9	10.7
			60	68	106800	88500	6.33	5.4	4.5	10
			70	78	105500	85300	7.06	4.9	3.9	8.8
			80	87	104200	81800	7.72	4.3	3.4	7.7
	90		97	103000	78000	8.57	3.9	3	6.9	
	100		107	102000	74100	9.57	3.5	2.5	6	
	110		117	100900	69600	10.7	3.1	2.1	5.2	
	120		127	100000	64800	11.95	2.7	1.8	4.5	
	130		137	99200	59800	11.95	2.4	1.5	3.9	
	140		147	98400	54300	13.45	2.1	1.2	3.3	
	60°F 60% RH		50	59	124800	107000	5.62	6.5	5.6	12.1
			60	69	123200	104000	6.03	6	5.1	11
			70	79	121100	100000	6.59	5.4	4.4	9.8
			80	89	119600	96200	7.26	4.8	3.9	8.7
		90	98	117900	92000	8	4.3	3.4	7.7	
		100	108	116100	87200	8.88	3.8	2.9	6.7	
		110	118	114500	82200	9.87	3.4	2.4	5.8	
		120	128	113200	77000	11	3	2.1	5.1	
		130	138	112000	71400	12.3	2.7	1.7	4.4	
		140	148	110900	65300	13.75	2.4	1.4	3.8	
		70°F 60% RH	50	60	146200	127500	5.88	7.3	6.4	13.6
			60	70	143400	123000	6.38	6.6	5.7	12.2
			70	80	140800	118500	6.94	5.9	5	11
			80	90	138500	114000	7.59	5.3	4.4	9.8
	90		100	136100	109000	8.34	4.8	3.8	8.6	
	100		110	133500	103500	9.2	4.3	3.3	7.6	
	110		119	131400	98000	10.18	3.8	2.8	6.6	
	120		129	129200	92000	11.3	3.4	2.4	5.7	
	130		139	127100	85500	12.6	3.0	2.0	4.9	
	140		149	125100	78700	14	2.6	1.6	4.3	
	80°F 60% RH		50	62	169100	148500	6.44	7.7	6.8	14.5
			60	72	166700	145000	6.76	7.2	6.3	13.5
			70	82	163600	140000	7.32	6.6	5.6	12.2
			80	91	160300	134500	7.97	5.9	4.9	10.8
		90	101	156900	128500	8.71	5.3	4.3	9.6	
		100	111	153300	122000	9.56	4.7	3.7	8.4	
		110	121	150100	115500	10.55	4.2	3.2	7.4	
		120	131	146900	108500	11.65	3.7	2.7	6.4	
		130	140	144300	101500	12.95	3.3	2.3	5.6	
		140	150	141500	93800	14.35	2.9	1.9	4.8	
		90°F 60% RH	50	64	190300	166500	7.38	7.6	6.6	14.2
			60	74	190300	166500	7.38	7.6	6.6	14.2
			70	83	187400	162500	7.71	7.1	6.2	13.3
			80	93	183200	156000	8.36	6.4	5.5	11.9
	90		103	176600	147000	9.07	5.7	4.8	10.5	
	100		112	170400	138000	9.88	5.1	4.1	9.1	
110	122		164500	129000	10.8	4.5	3.5	8		
120	131		158800	119500	11.9	3.9	2.9	6.9		
130	141		153300	110000	13.1	3.4	2.5	5.9		
140	151		148100	100000	14.5	3.0	2.0	5.0		

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C125A - ___ B	40°F 60% RH	50	57	92000	75400	6.51	5.1	4.2	9.3
		60	67	91700	74300	6.73	4.9	4	8.9
		70	76	90900	71600	7.29	4.4	3.5	7.9
		80	86	89900	68400	7.94	3.9	3	6.9
		90	96	89200	65200	8.68	3.5	2.6	6.1
		100	106	88500	61600	9.53	3.1	2.2	5.3
		110	116	88000	57500	10.58	2.8	1.8	4.6
		120	126	87700	53200	11.74	2.4	1.5	3.9
		130	136	87500	48600	13.04	2.0	1.1	3.1
		140	146	86400	45300	14.30	1.8	0.9	2.7
	50°F 60% RH	50	58	107600	90400	6.68	5.8	4.9	10.7
		60	68	106800	88500	6.99	5.4	4.5	10
		70	78	105500	85300	7.57	4.9	3.9	8.8
		80	87	104200	81800	8.297	4.3	3.4	7.7
		90	97	103000	78000	8.96	3.9	3	6.9
		100	107	102000	74100	9.81	3.5	2.5	6
		110	117	100900	69600	10.81	3.1	2.1	5.2
		120	127	100000	64800	11.94	2.7	1.8	4.5
		130	137	99200	59800	13.19	2.2	1.3	3.5
		140	147	98400	54300	14.69	2.0	1.1	3.0
	60°F 60% RH	50	59	124800	107000	6.86	6.5	5.6	12.1
		60	69	123200	104000	7.27	6	5.1	11
		70	79	121100	100000	7.83	5.4	4.4	9.8
		80	89	119600	96200	8.5	4.8	3.9	8.7
		90	98	117900	92000	9.24	4.3	3.4	7.7
		100	108	116100	87200	10.12	3.8	2.9	6.7
		110	118	114500	82200	11.11	3.4	2.4	5.8
		120	128	113200	77000	12.24	3	2.1	5.1
		130	138	112000	71400	13.54	2.4	1.5	4.0
		140	148	110900	65300	14.99	2.2	1.3	3.4
	70°F 60% RH	50	60	146200	127500	7.12	7.3	6.4	13.6
		60	70	143400	123000	7.62	6.6	5.7	12.2
		70	80	140800	118500	8.18	5.9	5	11
		80	90	138500	114000	8.83	5.3	4.4	9.8
		90	100	136100	109000	9.58	4.8	3.8	8.6
		100	110	133500	103500	10.44	4.3	3.3	7.6
		110	119	131400	98000	11.42	3.8	2.8	6.6
		120	129	129200	92000	12.54	3.4	2.4	5.7
		130	139	127100	85500	13.84	2.7	1.8	4.5
		140	149	125100	78700	15.24	2.4	1.5	3.9
	80°F 60% RH	50	62	169100	148500	7.68	7.7	6.8	14.5
		60	72	166700	145000	8	7.2	6.3	13.5
70		82	163600	140000	8.56	6.6	5.6	12.2	
80		91	160300	134500	9.21	5.9	4.9	10.8	
90		101	156900	128500	9.95	5.3	4.3	9.6	
100		111	153300	122000	10.8	4.7	3.7	8.4	
110		121	150100	115500	11.79	4.2	3.2	7.4	
120		131	146900	108500	12.89	3.7	2.7	6.4	
130		140	144300	101500	14.19	3.0	2.1	5.1	
140		150	141500	93800	15.59	2.7	1.8	4.4	
90°F 60% RH	50	64	190300	166500	8.62	7.6	6.6	14.2	
	60	74	190300	166500	8.62	7.6	6.6	14.2	
	70	83	187400	162500	8.95	7.1	6.2	13.3	
	80	93	183200	156000	9.6	6.4	5.5	11.9	
	90	103	176600	147000	10.31	5.7	4.8	10.5	
	100	112	170400	138000	11.12	5.1	4.1	9.1	
	110	122	164500	129000	12.04	4.5	3.5	8	
	120	131	158800	119500	13.14	3.9	2.9	6.9	
	130	141	153300	110000	14.34	3.1	2.2	5.4	
	140	151	148100	100000	15.74	2.8	1.9	4.6	

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