

# MODEL C250A 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
C250A-___A	40°F 60% RH	50	58	202000	169300	10.24	5.8	4.8	10.6
		60	68	187800	152700	10.91	5.0	4.1	9.1
		70	77	178900	141700	11.55	4.5	3.6	8.1
		80	87	170900	131300	12.23	4.1	3.1	7.2
		90	97	163600	122000	12.99	3.7	2.8	6.4
		100	106	155400	112400	13.26	3.4	2.5	5.9
		110	116	150500	105800	13.33	3.3	2.3	5.6
		120	125	133700	89700	13.53	2.9	1.9	4.8
	50°F 60% RH	130	135	120600	76300	13.63	2.6	1.6	4.2
		140	145	113000	69100	13.64	2.4	1.5	3.9
		50	59	231500	196200	10.82	6.3	5.3	11.6
		60	69	223400	185600	11.72	5.6	4.6	10.2
		70	79	213700	172800	12.86	4.9	3.9	8.8
		80	88	207000	163400	13.44	4.5	3.6	8.1
		90	98	199300	152300	14.5	4.0	3.1	7.1
		100	108	183600	134200	14.73	3.7	2.7	6.3
	60°F 60% RH	110	117	177600	127000	15.49	3.4	2.4	5.8
		120	127	165100	113600	15.74	3.1	2.1	5.2
		130	136	145600	93900	15.79	2.7	1.7	4.4
		140	146	139400	88100	15.84	2.6	1.6	4.2
		50	61	270800	234400	11.3	7.0	6.1	13.1
		60	70	258300	218400	12.4	6.1	5.1	11.2
		70	80	250300	207000	13.3	5.5	4.5	10.0
		80	100	239400	191500	14.7	4.8	3.8	8.6
	70°F 60% RH	90	109	239300	188000	15.7	4.5	3.5	8.0
		100	107	223200	169200	16.5	4.0	3.0	7.0
		110	119	211200	154700	17.2	3.6	2.6	6.2
		120	128	197300	133000	18.0	3.2	2.2	5.4
		130	137	181300	120300	18.4	2.9	1.9	4.8
		140	147	168400	108300	18.5	2.7	1.7	4.4
		50	63	313600	275900	11.68	7.9	6.9	14.8
		60	72	303700	262000	12.85	6.9	6.0	12.9
	80°F 60% RH	70	82	294200	247800	14.23	6.1	5.1	11.2
		80	92	285600	234400	15.63	5.4	4.4	9.8
		90	101	275900	220100	17	4.8	3.8	8.6
		100	111	265600	205800	18.14	4.3	3.3	7.6
		110	120	249300	185800	19.25	3.8	2.8	6.6
		120	130	235900	168600	20.37	3.4	2.4	5.8
		130	140	221500	152200	20.99	3.1	2.1	5.2
		140	149	209100	138500	21.24	2.9	1.9	4.8
	90°F 60% RH	50	65	364100	326200	11.19	9.5	8.5	18.1
		60	74	352800	307400	13.34	7.8	6.8	14.5
		70	84	343200	294100	15.03	6.7	5.7	12.4
		80	93	333700	278700	16.75	5.8	4.9	10.7
		90	103	324500	264200	18.29	5.2	4.2	9.4
		100	113	310500	243900	19.91	4.6	3.6	8.2
		110	122	294000	223600	21.26	4.1	3.1	7.1
		120	131	272200	197700	22.45	3.6	2.6	6.1
	90°F 60% RH	130	140	261600	185500	22.71	3.4	2.4	5.8
		140	150	238500	165300	23.03	3.0	2.1	5.1
		50	67	418400	380400	10.54	11.6	10.6	22.2
		60	76	399500	354800	12.34	9.5	8.4	17.9
70		85	383700	332900	14.32	7.9	6.8	14.7	
80		95	366000	308600	16.29	6.6	5.6	12.1	
90		104	348600	285600	18.18	5.6	4.6	10.2	
100		113	328500	260500	19.92	4.8	3.8	8.7	
90°F 60% RH	110	122	304400	232100	21.42	4.2	3.2	7.3	
	120	131	278600	203300	22.62	3.6	2.6	6.2	
90°F 60% RH	130	140	256700	185200	23.09	3.3	2.4	5.6	
	140	150	249500	165400	23.51	3.1	2.1	5.2	

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C250A-___B	40°F 60% RH	50	58	202000	169300	13.39	4.4	3.7	8.1
		60	68	187800	152700	14.06	3.9	3.2	7.1
		70	77	178900	141700	14.70	3.6	2.8	6.4
		80	87	170900	131300	15.38	3.3	2.5	5.8
		90	97	163600	122000	16.14	3.0	2.2	5.2
		100	106	155400	112400	16.41	2.8	2.0	4.8
		110	116	150500	105800	16.48	2.7	1.9	4.6
		120	125	133700	89700	16.68	2.3	1.6	3.9
	130	135	120600	76300	16.78	2.1	1.3	3.4	
	140	145	113000	69100	16.79	2.0	1.2	3.2	
	50°F 60% RH	50	59	231500	196200	13.97	4.9	4.1	9.0
		60	69	223400	185600	14.87	4.4	3.7	8.1
		70	79	213700	172800	16.01	3.9	3.2	7.1
		80	88	207000	163400	16.59	3.7	2.9	6.5
		90	98	199300	152300	17.65	3.3	2.5	5.8
		100	108	183600	134200	17.88	3.0	2.2	5.2
		110	117	177600	127000	18.64	2.8	2.0	4.8
		120	127	165100	113600	18.89	2.6	1.8	4.3
	130	136	145600	93900	18.94	2.3	1.5	3.7	
	140	146	139400	88100	18.99	2.2	1.4	3.5	
	60°F 60% RH	50	61	270800	234400	14.44	5.5	4.8	10.3
		60	70	258300	218400	15.59	4.9	4.1	9.0
		70	80	250300	207000	16.49	4.4	3.7	8.1
		80	100	239400	191500	17.80	3.9	3.2	7.1
		90	109	239300	188000	18.82	3.7	2.9	6.7
		100	107	223200	169200	19.62	3.3	2.5	5.9
		110	119	211200	154700	20.34	3.0	2.2	5.3
		120	128	197300	133000	21.18	2.7	1.8	4.6
	130	137	181300	120300	21.5	2.5	1.6	4.1	
	140	147	168400	108300	21.7	2.3	1.5	3.7	
	70°F 60% RH	50	63	313600	275900	14.83	6.2	5.5	11.7
		60	72	303700	262000	16.00	5.6	4.8	10.4
		70	82	294200	247800	17.38	5.0	4.2	9.1
		80	92	285600	234400	18.78	4.5	3.7	8.1
		90	101	275900	220100	20.15	4.0	3.2	7.2
		100	111	265600	205800	21.29	3.7	2.8	6.5
		110	120	249300	185800	22.40	3.3	2.4	5.7
		120	130	235900	168600	23.52	2.9	2.1	5.0
	130	140	221500	152200	24.14	2.7	1.8	4.5	
	140	149	209100	138500	24.39	2.5	1.7	4.2	
	80°F 60% RH	50	65	364100	326200	14.34	7.4	6.7	14.1
		60	74	352800	307400	16.49	6.3	5.5	11.7
70		84	343200	294100	18.18	5.5	4.7	10.3	
80		93	333700	278700	19.90	4.9	4.1	9.0	
90		103	324500	264200	21.44	4.4	3.6	8.0	
100		113	310500	243900	23.06	3.9	3.1	7.0	
110		122	294000	223600	24.41	3.5	2.7	6.2	
120		131	272200	197700	25.60	3.1	2.3	5.4	
130	140	261600	185500	25.86	3.0	2.1	5.1		
140	150	238500	165300	26.18	2.7	1.9	4.5		
90°F 60% RH	50	67	418400	380400	13.69	9.0	8.1	17.1	
	60	76	399500	354800	15.49	7.6	6.7	14.3	
	70	85	383700	332900	17.47	6.4	5.6	12.0	
	80	95	366000	308600	19.44	5.5	4.7	10.2	
	90	104	348600	285600	21.33	4.8	3.9	8.7	
	100	113	328500	260500	23.07	4.2	3.3	7.5	
	110	122	304400	232100	24.57	3.6	2.8	6.4	
	120	131	278600	203300	25.77	3.2	2.3	5.5	
130	140	256700	185200	26.24	2.9	2.1	4.9		
140	150	249500	165400	26.66	2.7	1.8	4.6		

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