

MODEL C810WM PERFORMANCE

Model	Entering Source Water Temp(F°)	Leaving Source Water Temp(°F)	Entering Heated Water Temp(°F)	Leaving Heated Water Temp(°F)	Heating Capacity (Btu/hr)	Cooling Capacity (Btu/hr)	Power Input (kW)	Heating COP	Cooling COP	Combined COP
C810W-SDNN	42°F	36	50	57.7	579600	453900	36.84	4.6	3.6	8.2
		36.2	60	67.7	576900	440200	39.99	4.2	3.2	7.5
		36.4	70	77.7	574200	425800	43.38	3.9	2.9	6.8
		36.6	80	87.6	571200	410700	47.01	3.6	2.6	6.1
		36.8	90	97.6	569100	395600	50.85	3.3	2.3	5.6
		37	100	100.6	566700	379400	54.96	3.0	2.0	5.0
		37.2	110	117.6	565200	362500	59.4	2.8	1.8	4.6
		37.4	120	127.6	563100	344100	64.11	2.6	1.6	4.1
	37.7	130	137.6	562500	326400	69.21	2.4	1.4	3.8	
	37.7	140	147.6	561600	323200	71.07	2.3	1.3	3.6	
	50°F	42.7	50	58.8	661800	534000	37.35	5.2	4.2	9.4
		43.1	60	68.8	656400	518100	41.01	4.7	3.7	8.4
		43.4	70	78.7	652800	502500	44.01	4.3	3.3	7.7
		43.6	80	88.6	648000	485400	47.73	4.0	3.0	7.0
		43.9	90	98.6	643500	460800	51.66	3.7	2.6	6.3
		44.1	100	108.6	639000	442800	55.86	3.4	2.3	5.7
		44.3	110	118.6	634800	428400	60.24	3.1	2.1	5.2
		44.6	120	128.5	630600	405600	65.16	2.8	1.8	4.7
	44.9	130	137.5	627900	382800	70.41	2.6	1.6	4.2	
	45.1	140	148.5	624900	365400	75.6	2.4	1.4	3.8	
	60°F	52	50	59.7	726900	598200	37.65	5.7	4.7	10.3
		52.3	60	69.6	720300	580600	40.92	5.2	4.2	9.3
		52.5	70	79.6	714900	563400	44.4	4.7	3.7	8.4
		52.8	80	89.5	708000	543600	48.18	4.3	3.3	7.6
		53	90	99.4	702300	524500	52.14	3.9	2.9	6.9
		53.3	100	100.4	696600	504000	56.46	3.6	2.6	6.2
		53.6	110	119.3	690300	482700	60.87	3.3	2.3	5.6
		53.9	120	129.3	683100	457200	66.21	3.0	2.0	5.0
	54.2	130	139.2	678900	435900	71.16	2.8	1.8	4.6	
	54.5	140	149.1	674100	411800	75.93	2.6	1.6	4.2	
	70°F	61.1	50	60.6	798000	668500	37.95	6.2	5.2	11.3
		61.2	60	70.5	789900	658800	41.25	5.6	4.7	10.3
		61.6	70	80.5	782700	630000	44.79	5.1	4.1	9.2
		61.9	80	90.4	774000	608000	48.6	4.7	3.7	8.3
		62.2	90	100.4	766500	586800	52.65	4.3	3.3	7.5
		62.5	100	110.3	758700	564400	56.97	3.9	2.9	6.8
		62.7	110	120.1	751500	540300	61.62	3.6	2.6	6.1
		63.1	120	130	741600	513000	67.05	3.2	2.2	5.5
	63.5	130	139.9	735000	489900	71.88	3.0	2.0	5.0	
	63.8	140	149.9	728100	463300	77.61	2.7	1.7	4.5	
	80°F	70	50	61.7	875400	745200	38.22	6.7	5.7	12.4
		70.3	60	71.5	865500	723600	41.58	6.1	5.1	11.2
		70.6	70	81.4	856800	702700	45.18	5.6	4.6	10.1
		70.9	80	91.3	846900	679600	48.99	5.1	4.1	9.1
		71.2	90	101.2	838200	657700	52.8	4.7	3.7	8.3
		71.7	100	111.1	825900	629600	57.45	4.2	3.2	7.4
		72	110	121	816300	604400	62.13	3.9	2.9	6.7
		72.4	120	131	806700	577400	67.17	3.5	2.5	6.0
72.8	130	140.9	796500	549000	72.51	3.2	2.2	5.4		
73.1	140	150.7	787200	519800	78.33	2.9	1.9	4.9		
90°F	78.9	50	62.8	959700	828300	38.49	7.3	6.3	13.6	
	79.35	60	72.7	947700	804900	41.88	6.6	5.6	12.3	
	79.8	70	82.5	937200	781900	46.83	5.9	4.9	10.8	
	80.25	80	92.3	924000	755600	49.38	5.5	4.5	10.0	
	80.7	90	102.1	912900	730400	53.4	5.0	4.0	9.0	
	81.15	100	111.9	899700	702000	57.9	4.6	3.6	8.1	
	81.6	110	121.5	888600	661800	62.49	4.2	3.1	7.3	
	82.05	120	131.1	875100	644000	67.65	3.8	2.8	6.6	
82.5	130	140.9	863100	613800	72.9	3.5	2.5	5.9		
83	140	150.7	849900	581700	78.99	3.2	2.2	5.3		

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