



EXTENDED RATINGS

Cooling Performance

CON09

CON09HP230V1R32AH / ENV09HP230V1R32AO / VIR09HP230V1R32AO
CON09HP230V1R32AH / SAP09HP230V1R32AO

CON12

CON12HP230V1R32AH / ENV12HP230V1R32AO / VIR12HP230V1R32AO
CON12HP230V1R32AH / SAP12HP230V1R32AO

CON18

CON18HP230V1R32AH / ENV18HP230V1R32AO / VIR18HP230V1R32AO

Heating Performance

CON09

CON09HP230V1R32AH / ENV09HP230V1R32AO / VIR09HP230V1R32AO
CON09HP230V1R32AH / SAP09HP230V1R32AO

CON12

CON12HP230V1R32AH / ENV12HP230V1R32AO / VIR12HP230V1R32AO
CON12HP230V1R32AH / SAP12HP230V1R32AO

CON18

CON18HP230V1R32AH / ENV18HP230V1R32AO / VIR18HP230V1R32AO

Thank you for choosing our product.
Please go through this Extended Ratings to design
your project and retain it for future reference.

To download an electric version visit
<https://www.greecomfort.com/our-products>

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Return Air Temperature																				
	70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)					
	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	
MAX OUTPUT*	-20°F	7224	5237	73%	11.05	654	7740	5612	73%	11.45	676	7998	5799	73%	11.29	709	8772	6360	73%	11.50	763
	-15°F	7611	5518	73%	11.38	669	8127	5892	73%	11.54	704	8385	6079	73%	11.31	741	9159	6640	73%	11.21	817
	-10°F	7934	5772	73%	11.60	684	8450	6147	73%	11.74	720	8708	6335	73%	11.49	758	9482	6898	73%	11.35	835
	-5°F	8256	6027	73%	11.82	698	8772	6404	73%	11.93	735	9030	6592	73%	11.67	774	9804	7157	73%	11.49	853
	0°F	8385	6142	73%	11.76	713	8901	6520	73%	11.86	751	9159	6709	73%	11.59	790	9933	7276	73%	11.40	871
	5°F	8514	6258	74%	11.70	728	9030	6637	74%	11.78	766	9288	6827	74%	11.52	807	10062	7396	74%	11.31	889
	10°F	8708	6422	74%	11.72	743	9224	6802	74%	11.80	782	9482	6993	74%	11.52	823	10256	7563	74%	11.30	907
	15°F	8901	6587	74%	11.75	757	9417	6969	74%	11.81	797	9675	7160	74%	11.53	839	10449	7732	74%	11.29	925
	20°F	9030	6705	74%	11.69	772	9546	7088	74%	11.74	813	9804	7279	74%	11.46	856	10578	7854	74%	11.21	943
	25°F	9159	6823	75%	11.64	787	9675	7208	75%	11.68	828	9933	7400	75%	11.39	872	10707	7977	75%	11.14	961
	30°F	9482	7087	75%	11.83	802	9998	7473	75%	11.85	844	10256	7666	75%	11.54	888	11030	8245	75%	11.26	979
	35°F	9804	7353	75%	12.01	816	10320	7740	75%	12.01	859	10578	7934	75%	11.69	905	11352	8514	75%	11.38	997
	40°F	9998	7523	75%	12.03	831	10514	7911	75%	12.02	875	10772	8106	75%	11.69	921	11546	8688	75%	11.37	1015
	45°F	10191	7694	76%	12.05	846	10707	8084	76%	12.02	891	10965	8279	76%	11.70	937	11739	8863	76%	11.36	1033
	50°F	10514	7964	76%	12.21	861	11030	8355	76%	12.17	906	11288	8550	76%	11.83	954	12062	9137	76%	11.47	1052
	55°F	10836	8235	76%	12.38	876	11352	8628	76%	12.32	922	11610	8824	76%	11.97	970	12384	9412	76%	11.58	1070
	60°F	11159	8508	76%	12.53	890	11675	8902	76%	12.46	937	11933	9099	76%	12.10	986	12707	9689	76%	11.68	1088
	65°F	11481	8783	77%	12.69	905	11997	9178	77%	12.59	953	12255	9375	77%	12.22	1003	13029	9967	77%	11.78	1106
	70°F	11997	9208	77%	13.04	920	12513	9604	77%	12.92	968	12771	9802	77%	12.53	1019	13545	10396	77%	12.05	1124
	75°F	12513	9635	77%	13.39	935	13029	10032	77%	13.24	984	13287	10231	77%	12.83	1036	14061	10827	77%	12.32	1142
	80°F	12707	9816	77%	13.39	949	13223	10214	77%	13.23	999	13481	10414	77%	12.82	1052	14255	11012	77%	12.29	1160
	85°F	12900	9998	78%	13.38	964	13416	10397	78%	13.22	1015	13674	10597	78%	12.80	1068	14448	11197	78%	12.27	1178
	90°F	12513	9729	78%	12.85	974	13029	10130	78%	12.71	1025	13287	10331	78%	12.31	1079	14061	10932	78%	11.82	1190
95°F	12126	9458	78%	12.33	984	12642	9861	78%	12.21	1036	12900	10062	78%	11.83	1090	13674	10666	78%	11.38	1202	
100°F	11804	9236	78%	11.71	1008	12320	9640	78%	11.61	1061	12578	9842	78%	11.26	1117	13352	10448	78%	10.84	1232	
105°F	11481	9013	79%	11.12	1033	11997	9418	79%	11.03	1087	12255	9620	79%	10.71	1145	13029	10228	79%	10.33	1262	
110°F	11288	8889	79%	10.67	1058	11804	9295	79%	10.60	1113	12062	9498	79%	10.29	1172	12836	10108	79%	9.94	1292	
115°F	11094	8764	79%	10.25	1082	11610	9172	79%	10.19	1139	11868	9376	79%	9.90	1199	12642	9987	79%	9.56	1322	
120°F	10643	8434	79%	9.80	1086	11159	8843	79%	9.58	1165	11417	9048	79%	9.31	1226	12191	9661	79%	9.02	1352	
122°F	10191	8102	80%	9.35	1090	10707	8512	80%	8.99	1191	10965	8717	80%	8.75	1254	11739	9333	80%	8.49	1382	
125°F																					
129°F																					

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance



COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)		Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)
MAX OUTPUT*	-20°F	3923	2844	73%	3.65	1076	4203	3047	73%	3.78	1111	4343	3149	73%	3.73	1165	4763	3453	73%	3.80	1255
	-15°F	4099	2972	73%	3.69	1109	4377	3173	72%	3.75	1168	4516	3274	73%	3.67	1229	4932	3576	73%	3.64	1355
	-10°F	4250	3092	73%	3.83	1111	4526	3293	73%	3.87	1169	4664	3394	73%	3.79	1231	5079	3695	73%	3.74	1357
	-5°F	4569	3335	73%	4.10	1115	4854	3544	73%	4.13	1174	4997	3648	73%	4.04	1236	5425	3960	73%	3.98	1363
	0°F	4799	3515	73%	4.29	1118	5094	3732	73%	4.33	1177	5242	3840	73%	4.23	1239	5685	4164	73%	4.16	1366
	5°F	5069	3726	74%	4.34	1169	5376	3951	74%	4.37	1230	5530	4064	74%	4.27	1295	5990	4403	74%	4.20	1427
	10°F	5441	4013	74%	4.64	1172	5763	4251	74%	4.67	1234	5924	4370	74%	4.56	1299	6408	4726	74%	4.47	1432
	15°F	5558	4113	74%	4.69	1185	5880	4352	74%	4.71	1248	6042	4471	74%	4.60	1313	6525	4828	74%	4.51	1448
	20°F	5674	4213	74%	4.62	1228	5998	4454	74%	4.64	1293	6160	4574	74%	4.53	1361	6646	4935	74%	4.43	1500
	25°F	5760	4291	75%	4.60	1252	6084	4533	74%	4.62	1318	6246	4654	75%	4.50	1387	6733	5016	74%	4.40	1529
	30°F	5861	4381	75%	4.56	1286	6179	4620	75%	4.56	1354	6339	4739	75%	4.45	1425	6817	5096	75%	4.34	1571
	35°F	5979	4484	75%	4.59	1302	6294	4720	75%	4.59	1371	6451	4838	75%	4.47	1443	6923	5192	75%	4.35	1591
	40°F	6558	4935	75%	4.91	1335	6896	5190	75%	4.91	1406	7066	5317	75%	4.77	1480	7573	5699	75%	4.64	1631
	45°F	6839	5163	75%	4.95	1381	7185	5425	75%	4.94	1454	7358	5555	75%	4.81	1530	7878	5948	76%	4.67	1687
	50°F	7153	5419	76%	5.04	1419	7504	5685	76%	5.02	1494	7680	5818	76%	4.88	1572	8207	6217	76%	4.73	1733
	55°F	7320	5563	76%	5.06	1447	7668	5828	76%	5.04	1523	7843	5960	76%	4.89	1603	8366	6358	76%	4.73	1767
	60°F	7565	5769	76%	5.15	1469	7915	6035	76%	5.12	1546	8090	6169	76%	4.97	1628	8614	6569	76%	4.80	1795
	65°F	7663	5862	76%	5.10	1503	8008	6126	76%	5.06	1583	8180	6258	76%	4.91	1666	8696	6653	77%	4.74	1837
	70°F	7888	6055	77%	5.19	1519	8227	6315	77%	5.15	1599	8397	6445	77%	4.99	1683	8906	6836	77%	4.80	1856
	75°F	8136	6264	77%	5.30	1536	8471	6523	77%	5.24	1617	8639	6652	77%	5.08	1702	9142	7039	77%	4.87	1876
	80°F	8217	6348	77%	5.09	1615	8550	6606	77%	5.03	1700	8717	6734	77%	4.87	1789	9218	7121	77%	4.67	1973
85°F	8449	6548	77%	5.11	1655	8786	6810	78%	5.04	1742	8955	6940	78%	4.88	1834	9462	7333	78%	4.68	2022	
90°F	8599	6685	78%	5.07	1697	8954	6961	78%	5.01	1786	9131	7099	78%	4.86	1880	9663	7512	78%	4.66	2073	
95°F	8820	6879	78%	5.08	1736	9195	7172	78%	5.03	1827	9383	7319	78%	4.88	1923	9946	7758	78%	4.69	2120	
100°F	8781	6870	78%	4.95	1774	9165	7171	78%	4.91	1868	9356	7321	78%	4.76	1966	9932	7771	78%	4.58	2167	
105°F	8538	6702	79%	4.69	1820	8922	7004	79%	4.66	1915	9114	7154	78%	4.52	2016	9689	7606	79%	4.36	2223	
110°F	8488	6684	79%	4.57	1856	8876	6990	79%	4.54	1953	9070	7142	79%	4.41	2056	9652	7601	79%	4.26	2267	
115°F	7945	6276	79%	4.25	1869	8314	6568	79%	4.23	1968	8499	6714	79%	4.10	2071	9053	7152	79%	3.96	2284	
120°F	7426	5884	79%	4.02	1849	7786	6170	79%	3.92	1984	7966	6312	79%	3.81	2088	8506	6740	79%	3.69	2302	
122°F	6947	5523	80%	3.78	1836	7299	5803	80%	3.64	2006	7475	5943	79%	3.54	2112	8003	6362	79%	3.44	2328	
125°F																					
129°F																					

*Maximum Output values are not based on AHRI test conditions

- LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance



[Back to main page](#)

HEATING PERFORMANCE

Outdoor Ambient Temperature			Return Air Temperature											
			70°F (DB)			75°F (DB)			80°F (DB)			90°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB												
	-22°F	-22.5°F	6105	1.50	1193	5655	1.36	1217	5655	1.34	1241	5655	1.31	1266
	-20°F	-20.5°F	6878	1.67	1205	6428	1.53	1229	6428	1.50	1254	6428	1.47	1279
	-15°F	-16°F	7350	1.77	1217	6900	1.63	1241	6900	1.60	1266	6900	1.57	1292
	-10°F	-11°F	7846	1.87	1230	7396	1.73	1254	7396	1.69	1279	7396	1.66	1305
	-5°F	-6°F	8158	1.93	1242	7708	1.78	1267	7708	1.75	1292	7708	1.71	1318
	0°F	-1°F	8438	1.95	1267	7988	1.81	1293	7988	1.78	1318	7988	1.74	1345
	5°F	3°F	8750	1.98	1293	8300	1.84	1319	8300	1.81	1345	8300	1.77	1372
	10°F	8°F	9510	2.11	1320	9060	1.97	1346	9060	1.93	1373	9060	1.90	1400
	15°F	13°F	10404	2.29	1333	10404	2.24	1360	10132	2.14	1387	9860	2.04	1415
	17°F	15°F	10608	2.31	1346	10880	2.32	1373	10608	2.22	1401	10336	2.12	1429
	20°F	17°F	11152	2.38	1374	10880	2.28	1401	10608	2.17	1429	10336	2.08	1458
	25°F	22°F	11560	2.42	1402	11288	2.31	1430	11016	2.21	1459	10744	2.12	1488
	30°F	27°F	11764	2.43	1416	11492	2.33	1445	11220	2.23	1474	10948	2.13	1503
	35°F	33°F	11968	2.45	1431	11696	2.35	1459	11424	2.25	1488	11152	2.15	1518
	40°F	36°F	12920	2.59	1460	12648	2.49	1489	12376	2.39	1519	12104	2.29	1549
	45°F	41°F	13328	2.62	1490	13056	2.52	1519	12784	2.42	1550	12512	2.32	1581
47°F	43°F	13600	2.62	1520	13328	2.52	1550	13056	2.42	1581	12784	2.32	1613	
50°F	46°F	13464	2.58	1528	13192	2.48	1558	12920	2.38	1589	12648	2.29	1621	
55°F	50°F	13328	2.54	1535	13056	2.44	1566	12784	2.35	1597	12512	2.25	1629	
60°F	55°F	13192	2.49	1550	12920	2.39	1581	12648	2.30	1613	12376	2.20	1645	
65°F	60°F	12920	2.54	1490	12648	2.44	1519	12376	2.34	1550	12104	2.24	1581	
70°F	64°F	12784	2.53	1482	12512	2.43	1512	12240	2.33	1542	11968	2.23	1573	
75°F	69°F	12648	2.51	1474	12376	2.41	1504	12104	2.31	1534	11832	2.22	1565	
80°F	74°F	11560	2.37	1429	11288	2.27	1457	11016	2.17	1487	10744	2.08	1516	
86°F	80°F	10200	2.14	1398	9928	2.04	1426	9656	1.95	1455	9384	1.85	1484	

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



HEATING PERFORMANCE

Outdoor Ambient Temperature			Return Air Temperature											
			70°F (DB)			75°F (DB)			80°F (DB)			90°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB												
	-22°F	-22.5°F	5409	2.41	2246	5246	2.24	2338	5165	2.17	2385	4963	2.04	2432
	-20°F	-20.5°F	5515	2.42	2276	5350	2.26	2369	5267	2.18	2416	5066	2.06	2464
	-15°F	-16°F	5741	2.50	2292	5568	2.33	2386	5482	2.25	2433	5279	2.13	2482
	-10°F	-11°F	5949	2.55	2329	5771	2.38	2424	5682	2.30	2472	5484	2.17	2522
	-5°F	-6°F	6326	2.70	2339	6136	2.52	2434	6042	2.43	2483	5843	2.31	2533
	0°F	-1°F	6344	2.66	2387	6154	2.48	2484	6059	2.39	2534	5870	2.27	2584
	5°F	3°F	6791	2.79	2435	6588	2.60	2535	6486	2.51	2585	6292	2.39	2637
	10°F	8°F	7336	2.95	2485	7116	2.75	2586	7006	2.66	2638	6809	2.53	2691
	15°F	13°F	7768	3.06	2536	7535	2.86	2639	7418	2.76	2692	7219	2.63	2746
	17°F	15°F	7808	3.04	2569	7574	2.83	2674	7457	2.73	2727	7265	2.61	2782
	20°F	17°F	7844	3.03	2587	7609	2.83	2693	7491	2.73	2747	7299	2.61	2802
	25°F	22°F	8309	3.15	2640	8060	2.93	2748	7935	2.83	2803	7739	2.71	2859
	30°F	27°F	8540	3.17	2694	8283	2.95	2804	8155	2.85	2860	7958	2.73	2917
	35°F	33°F	9129	3.34	2730	8855	3.12	2841	8718	3.01	2898	8510	2.88	2956
	40°F	36°F	9713	3.53	2749	9422	3.29	2861	9276	3.18	2918	9072	3.05	2977
	45°F	41°F	10771	3.84	2805	10790	3.70	2920	10624	3.57	2978	10398	3.42	3038
	47°F	43°F	10848	3.79	2862	10664	3.58	2979	10529	3.46	3039	10515	3.39	3100
	50°F	46°F	11325	3.90	2906	11116	3.68	3025	10885	3.53	3085	10812	3.44	3147
55°F	50°F	11476	3.89	2948	11474	3.74	3069	11297	3.61	3130	11056	3.46	3193	
60°F	55°F	11946	3.80	3146	11920	3.77	3161	11730	3.64	3224	11470	3.49	3288	
65°F	60°F	12262	3.78	3246	12237	3.76	3255	12048	3.63	3321	11783	3.48	3387	
70°F	64°F	11978	3.81	3146	11618	3.46	3353	11439	3.34	3420	11185	3.21	3489	
75°F	69°F	11587	3.75	3091	11240	3.25	3454	11066	3.14	3523	10817	3.01	3593	
80°F	74°F	10643	3.72	2863	10324	2.90	3557	10164	2.80	3628	9913	2.68	3701	
86°F	80°F	10559	3.71	2844	10242	2.90	3534	10084	2.80	3605	9800	2.67	3677	

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Return Air Temperature																				
	70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)					
	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	
MAX OUTPUT*	-20°F	7452	5403	72%	9.28	803	7984	5789	73%	9.62	830	8250	5982	73%	9.49	870	8650	6271	72%	9.51	910
	-15°F	7851	5692	73%	9.56	821	8383	6078	72%	9.70	864	8650	6271	72%	9.51	910	9182	6657	73%	9.61	955
	-10°F	8184	5954	73%	9.75	839	8716	6341	73%	9.87	883	8982	6535	73%	9.66	930	9515	6922	73%	9.74	976
	-5°F	8516	6217	73%	9.93	857	9049	6606	73%	10.03	902	9315	6800	73%	9.81	950	9847	7188	73%	9.87	997
	0°F	8650	6336	73%	9.88	875	9182	6726	73%	9.96	922	9448	6921	73%	9.74	970	9980	7311	73%	9.80	1019
	5°F	8783	6455	74%	9.83	894	9315	6846	73%	9.90	941	9581	7042	73%	9.68	990	10113	7433	73%	9.73	1040
	10°F	8982	6624	74%	9.85	912	9515	7017	74%	9.91	960	9781	7213	74%	9.68	1010	10313	7606	74%	9.72	1061
	15°F	9182	6795	74%	9.87	930	9714	7188	74%	9.93	979	9980	7385	74%	9.69	1030	10513	7779	74%	9.72	1082
	20°F	9315	6916	74%	9.83	948	9847	7312	74%	9.87	998	10113	7509	74%	9.63	1050	10646	7904	74%	9.65	1103
	25°F	9448	7039	75%	9.78	966	9980	7435	75%	9.81	1017	10246	7634	74%	9.57	1070	10779	8030	75%	9.59	1124
	30°F	9781	7311	75%	9.94	984	10313	7709	75%	9.96	1036	10579	7908	75%	9.70	1090	11111	8306	75%	9.70	1145
	35°F	10113	7585	75%	10.09	1002	10646	7984	75%	10.09	1055	10912	8184	75%	9.83	1111	11444	8583	75%	9.81	1166
	40°F	10313	7760	75%	10.11	1020	10845	8161	75%	10.10	1074	11111	8361	75%	9.83	1131	11644	8762	75%	9.81	1187
	45°F	10513	7937	75%	10.12	1038	11045	8339	75%	10.10	1093	11311	8540	76%	9.83	1151	11843	8942	76%	9.80	1208
	50°F	10845	8215	76%	10.26	1057	11377	8618	76%	10.23	1112	11644	8820	76%	9.95	1171	12176	9223	76%	9.90	1229
	55°F	11178	8495	76%	10.40	1075	11710	8900	76%	10.35	1131	11976	9102	76%	10.06	1191	12509	9507	76%	10.00	1250
	60°F	11511	8777	76%	10.53	1093	12043	9183	76%	10.47	1150	12309	9386	76%	10.17	1211	12841	9791	76%	10.10	1271
	65°F	11843	9060	76%	10.66	1111	12376	9467	77%	10.58	1169	12642	9671	76%	10.27	1231	13174	10078	77%	10.19	1293
	70°F	12376	9498	77%	10.96	1129	12908	9907	77%	10.86	1188	13174	10111	77%	10.53	1251	13706	10520	77%	10.43	1314
	75°F	12908	9939	77%	11.25	1147	13440	10349	77%	11.13	1208	13706	10554	77%	10.78	1271	14238	10964	77%	10.67	1335
	80°F	13107	10125	77%	11.25	1165	13640	10537	77%	11.12	1227	13906	10742	77%	10.77	1291	14438	11153	77%	10.65	1356
	85°F	13307	10313	78%	11.24	1183	13839	10725	77%	11.11	1246	14105	10932	77%	10.76	1311	14638	11344	78%	10.63	1377
	90°F	12908	10036	78%	10.80	1195	13440	10450	78%	10.68	1258	13706	10657	78%	10.35	1325	14238	11070	78%	10.24	1391
	95°F	12509	9757	78%	10.36	1208	13041	10172	78%	10.26	1271	13307	10379	78%	9.95	1338	13839	10795	78%	9.85	1405
	100°F	11843	9267	78%	9.76	1214	12376	9684	78%	9.69	1277	12509	9788	78%	9.30	1345	13174	10309	78%	9.33	1412
	105°F	11178	8775	79%	9.17	1220	11710	9192	79%	9.12	1284	11976	9401	79%	8.86	1351	12509	9819	79%	8.82	1419
	110°F	9847	7755	79%	8.45	1165	10379	8174	79%	8.46	1227	10646	8383	79%	8.24	1291	11178	8803	79%	8.24	1356
	115°F	8516	6728	79%	7.67	1111	9049	7149	79%	7.74	1169	9315	7359	79%	7.57	1231	9847	7779	79%	7.62	1293
	120°F	8650	6855	79%	8.09	1069	9182	7277	79%	8.16	1125	9448	7488	79%	7.98	1184	9980	7909	79%	8.03	1243
	122°F	8783	6982	79%	8.56	1026	9315	7405	80%	8.62	1080	9581	7617	80%	8.42	1137	10113	8040	80%	8.47	1194
	125°F																				
	129°F																				

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance



[Back to main page](#)

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Return Air Temperature																			
	70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)
-20°F	8620	6250	73%	11.31	762	9236	6696	73%	11.73	787	9544	6919	72%	11.56	826	10006	7254	73%	11.59	864
-15°F	9082	6585	73%	11.65	779	9698	7031	72%	11.82	820	10006	7254	73%	11.59	864	10621	7701	72%	11.71	907
-10°F	9467	6887	73%	11.88	797	10083	7335	73%	12.02	839	10391	7559	73%	11.77	883	11006	8007	73%	11.88	927
-5°F	9852	7192	73%	12.11	814	10468	7641	73%	12.22	857	10775	7866	73%	11.95	902	11391	8316	73%	12.03	947
0°F	10006	7329	73%	12.04	831	10621	7780	73%	12.14	875	10929	8006	73%	11.87	921	11545	8457	73%	11.94	967
5°F	10160	7467	74%	11.98	848	10775	7920	73%	12.07	893	11083	8146	74%	11.79	940	11699	8599	73%	11.86	987
10°F	10391	7663	74%	12.01	865	11006	8117	74%	12.08	911	11314	8344	74%	11.80	959	11930	8798	74%	11.85	1007
15°F	10621	7860	74%	12.03	883	11237	8316	74%	12.10	929	11545	8543	74%	11.81	978	12161	8999	74%	11.84	1027
20°F	10775	8001	74%	11.98	900	11391	8458	74%	12.03	947	11699	8686	74%	11.73	997	12315	9144	74%	11.76	1047
25°F	10929	8142	75%	11.92	917	11545	8601	74%	11.96	965	11853	8830	75%	11.67	1016	12469	9289	74%	11.69	1067
30°F	11314	8457	75%	12.11	934	11930	8918	75%	12.13	983	12238	9148	75%	11.82	1035	12853	9608	75%	11.83	1087
35°F	11699	8774	75%	12.30	951	12315	9236	75%	12.30	1001	12623	9467	75%	11.97	1054	13238	9929	75%	11.96	1107
40°F	11930	8977	75%	12.32	969	12546	9441	75%	12.31	1019	12853	9672	75%	11.98	1073	13469	10136	75%	11.95	1127
45°F	12161	9181	76%	12.34	986	12777	9646	75%	12.31	1038	13084	9879	75%	11.98	1092	13700	10344	76%	11.95	1147
50°F	12546	9503	76%	12.51	1003	13161	9970	76%	12.47	1056	13469	10203	76%	12.12	1111	14085	10669	76%	12.07	1167
55°F	12930	9827	76%	12.68	1020	13546	10295	76%	12.62	1074	13854	10529	76%	12.26	1130	14470	10997	76%	12.19	1187
60°F	13315	10153	76%	12.84	1037	13931	10622	76%	12.76	1092	14239	10857	76%	12.39	1149	14855	11327	76%	12.31	1207
65°F	13700	10481	77%	12.99	1054	14316	10952	76%	12.90	1110	14624	11187	76%	12.52	1168	15239	11658	76%	12.42	1227
70°F	14316	10987	77%	13.36	1072	14932	11460	77%	13.24	1128	15239	11696	77%	12.83	1187	15855	12169	77%	12.72	1247
75°F	14932	11497	77%	13.71	1089	15547	11971	77%	13.56	1146	15855	12209	77%	13.14	1207	16471	12683	77%	13.00	1267
80°F	15163	11713	77%	13.71	1106	15778	12189	77%	13.55	1164	16086	12427	77%	13.13	1226	16702	12902	77%	12.98	1287
85°F	15393	11930	78%	13.70	1123	16009	12407	77%	13.54	1182	16317	12646	78%	13.11	1245	16933	13123	77%	12.96	1307
90°F	14932	11609	78%	13.16	1135	15547	12088	78%	13.02	1194	15855	12327	78%	12.61	1257	16471	12806	78%	12.48	1320
95°F	14470	11286	78%	12.62	1146	15086	11767	78%	12.50	1207	15393	12007	78%	12.12	1270	16009	12487	78%	12.01	1334
100°F	13700	10720	78%	11.89	1152	14316	11202	78%	11.81	1213	14470	11323	78%	11.34	1276	15239	11925	78%	11.37	1340
105°F	12930	10150	78%	11.17	1158	13546	10634	79%	11.12	1219	13854	10875	79%	10.80	1283	14470	11359	78%	10.74	1347
110°F	11391	8971	79%	10.30	1106	12007	9455	79%	10.31	1164	12315	9698	79%	10.05	1226	12930	10183	79%	10.05	1287
115°F	9852	7783	79%	9.34	1054	10468	8269	79%	9.43	1110	10775	8513	79%	9.22	1168	11391	8999	79%	9.29	1227
120°F	10006	7930	79%	9.86	1014	10621	8418	79%	9.95	1068	10929	8661	79%	9.72	1124	11545	9149	79%	9.78	1180
122°F	10160	8077	79%	10.43	974	10775	8566	80%	10.51	1026	11083	8811	79%	10.27	1080	11699	9301	80%	10.32	1133
125°F																				
129°F																				

MAX OUTPUT*

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance

HEATING PERFORMANCE

Outdoor Ambient Temperature			Return Air Temperature											
			70°F (DB)			75°F (DB)			80°F (DB)			90°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB												
	-22°F	-22.5°F	7274	1.52	1407	6995	1.43	1435	6715	1.35	1463	6435	1.26	1493
	-20°F	-20.5°F	7484	1.54	1421	7204	1.46	1449	6925	1.37	1478	6645	1.29	1508
	-15°F	-16°F	7694	1.57	1435	7414	1.48	1464	7134	1.40	1493	6855	1.32	1523
	-10°F	-11°F	7904	1.60	1450	7624	1.51	1479	7344	1.43	1508	7064	1.35	1539
	-5°F	-6°F	8114	1.62	1465	7834	1.54	1494	7554	1.45	1524	7274	1.37	1554
	0°F	-1°F	8673	1.70	1494	8393	1.61	1524	8114	1.53	1555	7834	1.45	1586
	5°F	3°F	10072	1.94	1525	9792	1.85	1555	9513	1.76	1587	9233	1.67	1618
	10°F	8°F	10492	1.86	1654	10212	1.77	1687	9932	1.69	1721	9652	1.61	1755
	15°F	13°F	11191	1.98	1660	11191	1.94	1693	10911	1.85	1727	10632	1.77	1761
	17°F	15°F	11891	2.09	1666	12170	2.10	1699	11891	2.01	1733	11611	1.92	1768
	20°F	17°F	11541	1.99	1701	11261	1.90	1735	10981	1.82	1770	10702	1.74	1805
	25°F	22°F	11471	2.11	1595	11191	2.02	1627	10911	1.93	1660	10632	1.84	1693
	30°F	27°F	12031	2.19	1607	11751	2.10	1639	11471	2.01	1672	11191	1.92	1705
	35°F	33°F	12590	2.28	1619	12310	2.19	1651	12031	2.09	1684	11751	2.00	1718
	40°F	36°F	13290	3.46	1127	13010	3.32	1149	12730	3.18	1172	12450	3.05	1196
	45°F	41°F	13709	3.50	1150	13429	3.36	1173	13150	3.22	1196	12870	3.09	1220
47°F	43°F	13989	3.50	1173	13709	3.36	1196	13429	3.23	1220	13150	3.10	1245	
50°F	46°F	13849	3.44	1179	13569	3.31	1202	13290	3.18	1226	13010	3.05	1251	
55°F	50°F	13709	3.39	1185	13429	3.26	1208	13150	3.13	1233	12870	3.00	1257	
60°F	55°F	13569	3.32	1196	13290	3.19	1220	13010	3.06	1245	12730	2.94	1270	
65°F	60°F	13290	3.39	1150	13010	3.25	1173	12730	3.12	1196	12450	2.99	1220	
70°F	64°F	13150	3.37	1144	12870	3.23	1167	12590	3.10	1190	12310	2.97	1214	
75°F	69°F	13010	3.35	1138	12730	3.21	1161	12450	3.08	1184	12170	2.96	1207	
80°F	74°F	11891	3.16	1103	11611	3.02	1125	11331	2.90	1147	11051	2.77	1170	
86°F	80°F	10492	2.85	1079	10212	2.72	1101	9932	2.59	1123	9652	2.47	1145	

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



HEATING PERFORMANCE

Outdoor Ambient Temperature			Return Air Temperature											
			70°F (DB)			75°F (DB)			80°F (DB)			90°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB												
	-22°F	-22.5°F	8390	1.62	1515	8067	1.53	1545	7744	1.44	1576	7422	1.35	1607
	-20°F	-20.5°F	8632	1.65	1530	8309	1.56	1561	7986	1.47	1592	7664	1.38	1624
	-15°F	-16°F	8874	1.68	1546	8551	1.59	1577	8228	1.50	1608	7906	1.41	1640
	-10°F	-11°F	9116	1.71	1561	8793	1.62	1593	8470	1.53	1624	8148	1.44	1657
	-5°F	-6°F	9358	1.74	1577	9035	1.65	1609	8712	1.56	1641	8390	1.47	1674
	0°F	-1°F	10003	1.82	1609	9680	1.73	1642	9358	1.64	1674	9035	1.55	1708
	5°F	3°F	10971	1.96	1642	10648	1.86	1675	10326	1.77	1709	10003	1.68	1743
	10°F	8°F	12101	2.04	1739	11778	1.95	1774	11455	1.86	1809	11133	1.77	1845
	15°F	13°F	12907	2.19	1731	12907	2.14	1765	12585	2.05	1801	12262	1.96	1837
	17°F	15°F	13714	2.33	1723	14037	2.34	1757	13714	2.24	1792	13391	2.15	1828
	20°F	17°F	13311	2.13	1835	12988	2.03	1872	12665	1.94	1910	12343	1.86	1948
	25°F	22°F	13230	2.06	1884	12907	1.97	1921	12585	1.88	1960	12262	1.80	1999
	30°F	27°F	12665	2.20	1691	12343	2.10	1724	12020	2.00	1759	11697	1.91	1794
	35°F	33°F	12101	2.37	1497	11778	2.26	1527	11455	2.15	1558	11133	2.05	1589
	40°F	36°F	14359	2.72	1546	14037	2.61	1577	13714	2.50	1609	13391	2.39	1641
	45°F	41°F	15811	2.94	1578	15489	2.82	1609	15166	2.71	1642	14843	2.60	1674
	47°F	43°F	16134	2.94	1610	15811	2.82	1642	15489	2.71	1675	15166	2.60	1709
50°F	46°F	15973	2.89	1618	15650	2.78	1650	15327	2.67	1683	15005	2.56	1717	
55°F	50°F	15811	2.85	1626	15489	2.74	1659	15166	2.63	1692	14843	2.52	1726	
60°F	55°F	15650	2.79	1642	15327	2.68	1675	15005	2.57	1709	14682	2.47	1743	
65°F	60°F	15327	2.85	1578	15005	2.73	1609	14682	2.62	1642	14359	2.51	1674	
70°F	64°F	15166	2.83	1570	14843	2.72	1601	14521	2.61	1633	14198	2.50	1666	
75°F	69°F	15005	2.82	1562	14682	2.70	1593	14359	2.59	1625	14037	2.48	1657	
80°F	74°F	13714	2.66	1513	13391	2.54	1544	13069	2.43	1575	12746	2.33	1606	
86°F	80°F	12101	2.39	1481	11778	2.28	1511	11455	2.18	1541	11133	2.08	1572	

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Return Air Temperature																				
	70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)					
	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	
MAX OUTPUT*	-20°F	7987	4553	57%	11.37	702	8234	4858	59%	11.49	717	8445	5067	60%	11.55	731	9036	5512	61%	11.77	768
	-15°F	8234	4858	59%	11.49	717	8489	5178	61%	11.61	731	8706	5398	62%	11.67	746	9316	5869	63%	11.89	784
	-10°F	8489	5008	59%	11.61	731	8751	5338	61%	11.73	746	8976	5565	62%	11.79	762	9604	6051	63%	12.01	800
	-5°F	8751	5163	59%	11.73	746	9022	5503	61%	11.85	762	9253	5737	62%	11.91	777	9901	6238	63%	12.13	816
	0°F	9022	5323	59%	11.85	762	9301	5674	61%	11.97	777	9540	5915	62%	12.03	793	10207	6431	63%	12.26	833
	5°F	9301	5674	61%	11.97	777	9589	6041	63%	12.09	793	9835	6294	64%	12.15	809	10523	6840	65%	12.39	850
	10°F	9589	5849	61%	12.09	793	9885	6228	63%	12.22	809	10139	6489	64%	12.28	826	10848	7051	65%	12.51	867
	15°F	9885	6030	61%	12.22	809	10191	6420	63%	12.34	826	10452	6689	64%	12.41	843	11184	7270	65%	12.64	885
	20°F	10191	6216	61%	12.34	826	10506	6619	63%	12.47	843	10776	6896	64%	12.53	860	11530	7494	65%	12.77	903
	25°F	10506	6619	63%	12.47	843	10831	7040	65%	12.60	860	11109	7332	66%	12.66	877	11886	7964	67%	12.90	921
	30°F	10831	6824	63%	12.60	860	11166	7258	65%	12.73	877	11452	7559	66%	12.79	895	12254	8210	67%	13.04	940
	35°F	11166	7035	63%	12.73	877	11511	7482	65%	12.86	895	11807	7792	66%	12.93	913	12633	8464	67%	13.17	959
	40°F	11511	7252	63%	12.86	895	11867	7714	65%	12.99	913	12172	8033	66%	13.06	932	13024	8726	67%	13.31	979
	45°F	11867	7951	67%	12.99	913	12234	8442	69%	13.13	932	12548	8784	70%	13.19	951	13427	9533	71%	13.44	999
	50°F	12234	8197	67%	13.13	932	12613	8703	69%	13.26	951	12936	9055	70%	13.33	971	13842	9828	71%	13.58	1019
	55°F	12613	8451	67%	13.26	951	13003	8972	69%	13.40	971	13336	9335	70%	13.47	990	14270	10132	71%	13.72	1040
	60°F	13003	8712	67%	13.40	971	13405	9250	69%	13.54	990	13749	9624	70%	13.61	1011	14711	10445	71%	13.86	1061
	65°F	15298	10402	68%	13.56	1129	15771	11039	70%	13.69	1152	16175	11484	71%	13.77	1175	17307	12461	72%	14.03	1234
	70°F	15610	10615	68%	13.69	1140	16093	11265	70%	13.83	1163	16505	11719	71%	13.91	1187	17661	12716	72%	14.17	1246
	75°F	16093	10943	68%	13.83	1163	16590	11613	70%	13.98	1187	17016	12081	71%	14.05	1211	18207	13109	72%	14.32	1272
	80°F	18287	12435	68%	13.68	1337	18853	13197	70%	13.82	1364	19336	13729	71%	13.89	1392	20689	14896	72%	14.15	1462
	85°F	17754	12251	69%	12.22	1453	18303	12995	71%	12.34	1483	18773	13516	72%	12.41	1513	20087	14663	73%	12.64	1589
	90°F	19091	13173	69%	10.51	1817	19681	13974	71%	10.62	1854	20186	14534	72%	10.67	1892	21599	15767	73%	10.88	1986
95°F	18716	12914	69%	9.99	1873	19295	13700	71%	10.10	1911	19790	14249	72%	10.15	1950	21175	15458	73%	10.34	2048	
100°F	18155	12527	69%	9.41	1929	18716	13289	71%	9.51	1968	19196	13821	72%	9.56	2009	20540	14994	73%	9.74	2109	
105°F	17429	12200	70%	8.69	2006	17968	12937	72%	8.78	2047	18428	13453	73%	8.82	2089	19718	14592	74%	8.99	2193	
110°F	17118	11983	70%	8.41	2036	17648	12706	72%	8.49	2078	18100	13213	73%	8.54	2120	19367	14332	74%	8.70	2226	
115°F	14037	9826	70%	8.11	1731	14471	10419	72%	8.19	1766	14842	10835	73%	8.24	1802	15881	11752	74%	8.39	1892	
120°F	12914	9040	70%	7.77	1661	13313	9586	72%	7.85	1695	13655	9968	73%	7.89	1730	14610	10812	74%	8.04	1816	
122°F	12010	8527	71%	7.53	1595	12381	9038	73%	7.61	1628	12699	9397	74%	7.65	1661	13588	10191	75%	7.79	1744	
125°F																					
129°F																					

*Maximum Output values are not based on AHRI test conditions

- LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance



HEATING PERFORMANCE

Outdoor Ambient Temperature			Return Air Temperature											
			70°F (DB)			75°F (DB)			80°F (DB)			90°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)
MAX OUTPUT*	DB	WB												
	-22°F	-22.5°F	9234	1.32	2047	9003	1.26	2088	8733	1.20	2130	8384	1.13	2173
	-20°F	-20.5°F	9772	1.39	2058	9527	1.33	2099	9242	1.27	2141	8872	1.19	2184
	-15°F	-16°F	10395	1.47	2068	10135	1.41	2109	9831	1.34	2152	9438	1.26	2195
	-10°F	-11°F	11059	1.56	2079	10782	1.49	2120	10459	1.42	2162	10041	1.33	2206
	-5°F	-6°F	11765	1.65	2089	11471	1.58	2131	11127	1.50	2173	10681	1.41	2217
	0°F	-1°F	12384	1.73	2099	12074	1.65	2141	11712	1.57	2184	11244	1.48	2228
	5°F	3°F	12900	1.79	2110	12578	1.71	2152	12200	1.63	2195	11712	1.53	2239
	10°F	8°F	14148	1.82	2282	13795	1.74	2327	13381	1.65	2374	12846	1.55	2421
	15°F	13°F	14738	1.85	2340	14369	1.76	2387	13938	1.68	2435	13381	1.58	2483
	17°F	15°F	15200	1.86	2400	14820	1.77	2448	14375	1.69	2497	13800	1.59	2547
	20°F	17°F	15352	1.93	2328	14968	1.85	2375	14519	1.76	2422	13938	1.65	2470
	25°F	22°F	16389	1.99	2410	15979	1.91	2458	15500	1.81	2507	14880	1.71	2557
	30°F	27°F	17072	2.10	2386	16645	2.00	2433	16146	1.91	2482	15500	1.79	2532
	35°F	33°F	17600	2.21	2339	17160	2.11	2386	16645	2.00	2433	15979	1.89	2482
	40°F	36°F	19564	2.97	1931	19075	2.84	1969	18503	2.70	2008	17762	2.54	2049
	45°F	41°F	20169	3.03	1950	19665	2.90	1989	19075	2.76	2029	18312	2.59	2069
	47°F	43°F	20472	3.05	1970	19960	2.91	2009	19361	2.77	2049	18587	2.61	2090
	50°F	46°F	17606	3.40	1517	17165	3.25	1547	16650	3.09	1578	15984	2.91	1609
55°F	50°F	17253	3.37	1501	16822	3.22	1531	16317	3.06	1562	15665	2.88	1593	
60°F	55°F	15528	3.33	1366	15140	3.18	1394	14686	3.03	1421	14098	2.85	1450	
65°F	60°F	15062	3.30	1339	14686	3.15	1366	14245	3.00	1393	13675	2.82	1421	
70°F	64°F	11297	3.21	1031	11014	3.07	1052	10684	2.92	1073	10256	2.75	1094	
75°F	69°F	10845	3.15	1010	10574	3.01	1031	10256	2.86	1051	9846	2.69	1072	
80°F	74°F	10411	3.07	995	10151	2.93	1015	9846	2.79	1035	9452	2.62	1056	
86°F	80°F	9890	2.97	975	9643	2.84	995	9354	2.70	1015	8980	2.54	1035	

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance





Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All Rights reserved.

GRECOMFORT.COM