



## EXTENDED RATINGS

### Cooling Performance

#### OWC09

OWC09HP230V1R32AH / ENV09HP230V1R32AO / VIR09HP230V1R32AO  
OWC09HP230V1R32AH / SAP09HP230V1R32AO

#### OWC12

OWC12HP230V1R32AH / ENV12HP230V1R32AO / VIR12HP230V1R32AO  
OWC12HP230V1R32AH / SAP12HP230V1R32AO

#### OWC18

OWC18HP230V1R32AH / ENV18HP230V1R32AO / VIR18HP230V1R32AO  
OWC18HP230V1R32AH / SAP18HP230V1R32AO

#### OWC20

OWC20HP230V1R32AH / ENV18HP230V1R32AO / VIR18HP230V1R32AO  
OWC20HP230V1R32AH / SAP18HP230V1R32AO

### Heating Performance

#### OWC09

OWC09HP230V1R32AH / ENV09HP230V1R32AO / VIR09HP230V1R32AO  
OWC09HP230V1R32AH / SAP09HP230V1R32AO

#### OWC12

OWC12HP230V1R32AH / ENV12HP230V1R32AO / VIR12HP230V1R32AO  
OWC12HP230V1R32AH / SAP12HP230V1R32AO

#### OWC18

OWC18HP230V1R32AH / ENV18HP230V1R32AO / VIR18HP230V1R32AO  
OWC18HP230V1R32AH / SAP18HP230V1R32AO

#### OWC20

OWC20HP230V1R32AH / ENV18HP230V1R32AO / VIR18HP230V1R32AO  
OWC20HP230V1R32AH / SAP18HP230V1R32AO

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Please go through this Extended Ratings to design  
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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	6496	4710	73%	10.31	630	6960	5046	73%	10.69	651	7192	5214	73%	10.54	683	7888	5719	73%	10.73	735
	-15°F	6844	4962	73%	10.62	644	7308	5298	73%	10.77	678	7540	5467	73%	10.56	714	8236	5971	73%	10.46	787
	-10°F	7134	5190	73%	10.83	659	7598	5528	73%	10.96	693	7830	5696	73%	10.73	730	8526	6203	73%	10.60	805
	-5°F	7424	5420	73%	11.03	673	7888	5758	73%	11.14	708	8120	5928	73%	10.89	746	8816	6436	73%	10.73	822
	0°F	7540	5523	73%	10.97	687	8004	5863	73%	11.07	723	8236	6033	73%	10.82	761	8932	6543	73%	10.64	839
	5°F	7656	5627	74%	10.92	701	8120	5968	74%	11.00	738	8352	6139	74%	10.75	777	9048	6650	74%	10.56	857
	10°F	7830	5775	74%	10.94	715	8294	6117	74%	11.01	753	8526	6288	74%	10.75	793	9222	6801	74%	10.55	874
	15°F	8004	5923	74%	10.97	730	8468	6266	74%	11.02	768	8700	6438	74%	10.76	809	9396	6953	74%	10.54	891
	20°F	8120	6029	74%	10.92	744	8584	6374	74%	10.96	783	8816	6546	74%	10.70	824	9512	7063	74%	10.47	909
	25°F	8236	6136	75%	10.86	758	8700	6482	75%	10.90	798	8932	6654	75%	10.63	840	9628	7173	75%	10.40	926
	30°F	8526	6373	75%	11.04	772	8990	6720	75%	11.06	813	9222	6893	75%	10.78	856	9918	7414	75%	10.51	943
	35°F	8816	6612	75%	11.21	787	9280	6960	75%	11.21	828	9512	7134	75%	10.91	872	10208	7656	75%	10.62	961
	40°F	8990	6765	75%	11.23	801	9454	7114	75%	11.22	843	9686	7289	75%	10.92	887	10382	7812	75%	10.61	978
	45°F	9164	6919	76%	11.24	815	9628	7269	76%	11.22	858	9860	7444	76%	10.92	903	10556	7970	76%	10.60	996
	50°F	9454	7161	76%	11.40	829	9918	7513	76%	11.36	873	10150	7689	76%	11.05	919	10846	8216	76%	10.71	1013
	55°F	9744	7405	76%	11.55	843	10208	7758	76%	11.50	888	10440	7934	76%	11.17	935	11136	8463	76%	10.81	1030
	60°F	10034	7651	76%	11.70	858	10498	8005	76%	11.63	903	10730	8182	76%	11.29	950	11426	8712	76%	10.91	1048
	65°F	10324	7898	77%	11.84	872	10788	8253	77%	11.76	918	11020	8430	77%	11.41	966	11716	8963	77%	11.00	1065
	70°F	10788	8280	77%	12.18	886	11252	8636	77%	12.06	933	11484	8814	77%	11.70	982	12180	9348	77%	11.25	1082
	75°F	11252	8664	77%	12.50	900	11716	9021	77%	12.36	948	11948	9200	77%	11.98	998	12644	9736	77%	11.50	1100
	80°F	11426	8827	77%	12.49	914	11890	9185	77%	12.35	963	12122	9364	77%	11.96	1013	12818	9902	77%	11.47	1117
85°F	11600	8990	78%	12.49	929	12064	9350	78%	12.34	978	12296	9529	78%	11.95	1029	12992	10069	78%	11.45	1134	
90°F	11252	8748	78%	11.99	938	11716	9109	78%	11.86	988	11948	9290	78%	11.49	1040	12644	9831	78%	11.03	1146	
95°F	10904	8505	78%	11.51	948	11368	8867	78%	11.40	998	11600	9048	78%	11.05	1050	12296	9591	78%	10.62	1158	
100°F	10614	8305	78%	10.93	971	11078	8669	78%	10.83	1022	11310	8850	78%	10.51	1076	12006	9395	78%	10.12	1187	
105°F	10324	8104	79%	10.38	995	10788	8469	79%	10.30	1047	11020	8651	79%	10.00	1103	11716	9197	79%	9.64	1216	
110°F	10150	7993	79%	9.96	1019	10614	8359	79%	9.90	1072	10846	8541	79%	9.61	1129	11542	9089	79%	9.27	1244	
115°F	9976	7881	79%	9.57	1042	10440	8248	79%	9.51	1097	10672	8431	79%	9.24	1155	11368	8981	79%	8.93	1273	
120°F	9570	7584	79%	9.15	1046	10034	7952	79%	8.94	1122	10266	8136	79%	8.69	1181	10962	8687	79%	8.42	1302	
122°F	9164	7285	80%	8.73	1050	9628	7654	80%	8.39	1147	9860	7839	80%	8.17	1208	10556	8392	80%	7.93	1331	
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	3805	2758	73%	10.21	372	4076	2955	73%	10.59	385	4212	3054	73%	10.44	404	4620	3349	73%	10.63	435
	-15°F	3975	2882	73%	10.35	384	4245	3078	72%	10.50	404	4380	3175	73%	10.29	426	4784	3468	73%	10.19	469
	-10°F	4122	2999	73%	10.71	385	4390	3194	73%	10.84	405	4524	3291	73%	10.61	426	4926	3584	73%	10.48	470
	-5°F	4431	3235	73%	11.47	386	4708	3437	73%	11.58	407	4846	3538	73%	11.32	428	5262	3841	73%	11.15	472
	0°F	4654	3409	73%	12.02	387	4941	3619	73%	12.12	408	5084	3724	73%	11.84	429	5513	4039	73%	11.65	473
	5°F	4916	3613	74%	12.15	405	5214	3832	74%	12.24	426	5363	3942	74%	11.96	448	5810	4270	74%	11.75	494
	10°F	5277	3892	74%	13.00	406	5590	4123	74%	13.08	427	5746	4238	74%	12.77	450	6215	4584	74%	12.53	496
	15°F	5391	3989	74%	13.13	410	5703	4220	74%	13.20	432	5860	4336	74%	12.88	455	6328	4683	74%	12.62	501
	20°F	5503	4086	74%	12.94	425	5817	4319	74%	12.99	448	5974	4436	74%	12.68	471	6446	4786	74%	12.40	520
	25°F	5586	4162	75%	12.88	434	5901	4396	74%	12.93	456	6058	4513	75%	12.61	480	6530	4865	74%	12.33	530
	30°F	5684	4249	75%	12.76	446	5993	4480	75%	12.78	469	6148	4596	75%	12.45	494	6612	4943	75%	12.15	544
	35°F	5799	4349	75%	12.86	451	6104	4578	75%	12.86	475	6257	4693	75%	12.52	500	6715	5036	75%	12.19	551
	40°F	6360	4786	75%	13.75	463	6689	5033	75%	13.74	487	6853	5157	75%	13.37	512	7345	5527	75%	13.00	565
	45°F	6633	5008	75%	13.87	478	6969	5261	75%	13.84	503	7136	5388	75%	13.46	530	7640	5768	76%	13.08	584
	50°F	6938	5256	76%	14.12	491	7278	5514	76%	14.07	517	7449	5643	76%	13.68	545	7959	6030	76%	13.26	600
	55°F	7099	5396	76%	14.17	501	7437	5652	76%	14.10	527	7606	5781	76%	13.70	555	8114	6166	76%	13.25	612
	60°F	7337	5595	76%	14.42	509	7676	5854	76%	14.33	536	7846	5983	76%	13.92	564	8355	6371	76%	13.44	621
	65°F	7432	5686	76%	14.27	521	7766	5941	76%	14.17	548	7933	6069	76%	13.75	577	8434	6452	77%	13.26	636
	70°F	7650	5872	77%	14.54	526	7979	6125	77%	14.41	554	8144	6251	77%	13.97	583	8637	6630	77%	13.44	643
	75°F	7891	6076	77%	14.84	532	8216	6326	77%	14.67	560	8379	6452	77%	14.22	589	8867	6827	77%	13.65	650
	80°F	7969	6157	77%	14.25	559	8293	6407	77%	14.09	589	8455	6531	77%	13.64	620	8940	6906	77%	13.09	683
85°F	8194	6350	77%	14.30	573	8522	6604	78%	14.13	603	8686	6731	78%	13.68	635	9177	7112	78%	13.11	700	
90°F	8340	6484	78%	14.19	588	8684	6751	78%	14.04	619	8856	6885	78%	13.60	651	9372	7286	78%	13.05	718	
95°F	8554	6672	78%	14.23	601	8918	6956	78%	14.10	633	9100	7098	78%	13.66	666	9646	7524	78%	13.14	734	
100°F	8516	6663	78%	13.86	614	8888	6955	78%	13.74	647	9075	7100	78%	13.33	681	9633	7537	78%	12.83	751	
105°F	8281	6500	79%	13.14	630	8653	6792	79%	13.04	663	8839	6939	78%	12.66	698	9397	7377	79%	12.21	770	
110°F	8232	6483	79%	12.81	643	8609	6779	79%	12.73	676	8797	6927	79%	12.35	712	9361	7372	79%	11.92	785	
115°F	7705	6087	79%	11.90	647	8064	6370	79%	11.83	681	8243	6512	79%	11.49	717	8781	6937	79%	11.10	791	
120°F	7202	5707	79%	11.24	640	7551	5984	79%	10.99	687	7726	6122	79%	10.68	723	8250	6537	79%	10.35	797	
122°F	6738	5357	80%	10.59	636	7079	5628	80%	10.19	695	7250	5764	79%	9.91	731	7762	6171	79%	9.63	806	
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	6158	1.39	1303	5958	1.31	1329	5758	1.25	1355	5558	1.18	1382
	-20°F	-20.5°F	7684	1.71	1316	7412	1.62	1342	7140	1.53	1369	6868	1.44	1396
	-15°F	-16°F	7888	1.74	1329	7616	1.65	1356	7344	1.56	1383	7072	1.47	1411
	-10°F	-11°F	8364	1.83	1343	8092	1.73	1370	7820	1.64	1397	7548	1.55	1425
	-5°F	-6°F	8840	1.91	1356	8568	1.82	1383	8296	1.72	1411	8024	1.63	1439
	0°F	-1°F	9248	1.96	1384	8976	1.86	1412	8704	1.77	1440	8432	1.68	1469
	5°F	3°F	9656	2.00	1412	9384	1.91	1441	9112	1.82	1469	8840	1.73	1499
	10°F	8°F	10200	2.07	1441	9928	1.98	1470	9656	1.89	1499	9384	1.80	1529
	15°F	13°F	10404	2.09	1456	10404	2.05	1485	10132	1.96	1515	9860	1.87	1545
	17°F	15°F	10608	2.11	1470	10880	2.13	1500	10608	2.03	1530	10336	1.94	1561
	20°F	17°F	11152	2.18	1501	10880	2.08	1531	10608	1.99	1561	10336	1.90	1592
	25°F	22°F	11560	2.21	1531	11288	2.12	1562	11016	2.03	1593	10744	1.94	1625
	30°F	27°F	11764	2.23	1547	11492	2.13	1578	11220	2.04	1609	10948	1.95	1641
	35°F	33°F	11968	2.25	1562	11696	2.15	1594	11424	2.06	1625	11152	1.97	1658
	40°F	36°F	12920	2.38	1594	12648	2.28	1626	12376	2.19	1659	12104	2.10	1692
	45°F	41°F	13328	2.40	1627	13056	2.31	1659	12784	2.21	1693	12512	2.12	1726
47°F	43°F	13600	2.40	1660	13328	2.31	1693	13056	2.22	1727	12784	2.13	1762	
50°F	46°F	13464	2.37	1668	13192	2.27	1702	12920	2.18	1736	12648	2.09	1770	
55°F	50°F	13328	2.33	1677	13056	2.24	1710	12784	2.15	1744	12512	2.06	1779	
60°F	55°F	13192	2.28	1693	12920	2.19	1727	12648	2.10	1762	12376	2.02	1797	
65°F	60°F	12920	2.33	1627	12648	2.23	1659	12376	2.14	1693	12104	2.05	1726	
70°F	64°F	12784	2.31	1619	12512	2.22	1651	12240	2.13	1684	11968	2.04	1718	
75°F	69°F	12648	2.30	1610	12376	2.21	1642	12104	2.12	1675	11832	2.03	1709	
80°F	74°F	11560	2.17	1560	11288	2.08	1592	11016	1.99	1623	10744	1.90	1656	
86°F	80°F	10200	1.96	1527	9928	1.87	1558	9656	1.78	1589	9384	1.70	1621	

\*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	5235	2.38	644	5078	2.22	670	5000	2.14	683	4804	2.02	697
	-20°F	-20.5°F	5338	2.40	652	5178	2.24	679	5098	2.16	692	4904	2.04	706
	-15°F	-16°F	5557	2.48	657	5390	2.31	683	5306	2.23	697	5110	2.11	711
	-10°F	-11°F	5759	2.53	667	5586	2.36	694	5500	2.28	708	5308	2.15	723
	-5°F	-6°F	6123	2.68	670	5940	2.50	697	5848	2.41	711	5656	2.28	726
	0°F	-1°F	6141	2.63	684	5957	2.45	712	5865	2.37	726	5681	2.25	740
	5°F	3°F	6574	2.76	698	6376	2.57	726	6278	2.48	741	6090	2.36	756
	10°F	8°F	7101	2.92	712	6888	2.72	741	6782	2.63	756	6591	2.51	771
	15°F	13°F	7519	3.03	726	7293	2.83	756	7180	2.73	771	6988	2.60	787
	17°F	15°F	7558	3.01	736	7331	2.80	766	7218	2.71	781	7033	2.59	797
	20°F	17°F	7592	3.00	741	7365	2.80	772	7251	2.70	787	7065	2.58	803
	25°F	22°F	8043	3.12	756	7801	2.90	787	7681	2.80	803	7491	2.68	819
	30°F	27°F	8266	3.14	772	8018	2.93	803	7894	2.82	819	7703	2.70	836
	35°F	33°F	8836	3.31	782	8571	3.09	814	8439	2.98	830	8238	2.85	847
	40°F	36°F	9402	3.50	788	9120	3.26	820	8979	3.15	836	8781	3.02	853
	45°F	41°F	10426	3.80	804	10445	3.66	837	10283	3.53	853	10064	3.39	870
	47°F	43°F	10500	3.75	820	10323	3.54	854	10192	3.43	871	10178	3.36	888
50°F	46°F	10962	3.86	833	10760	3.64	867	10536	3.49	884	10465	3.40	902	
55°F	50°F	11108	3.85	845	11106	3.70	879	10934	3.57	897	10702	3.43	915	
60°F	55°F	11563	3.76	901	11538	3.73	906	11354	3.60	924	11102	3.45	942	
65°F	60°F	11869	3.74	930	11845	3.72	933	11662	3.59	951	11405	3.44	970	
70°F	64°F	11594	3.77	901	11246	3.43	961	11072	3.31	980	10826	3.17	1000	
75°F	69°F	11216	3.71	886	10879	3.22	990	10711	3.11	1009	10471	2.98	1030	
80°F	74°F	10302	3.68	820	9993	2.87	1019	9838	2.77	1040	9595	2.65	1060	
86°F	80°F	10221	3.68	815	9914	2.87	1013	9761	2.77	1033	9486	2.64	1054	

\*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)
-20°F	8528	6183	72%	10.15	840	9137	6625	73%	10.53	868	9442	6845	73%	10.38	910	10356	7508	73%	10.57	980
-15°F	8985	6514	72%	10.46	859	9594	6956	73%	10.61	904	9899	7177	73%	10.40	952	10813	7839	73%	10.30	1050
-10°F	9366	6814	73%	10.67	878	9975	7257	73%	10.79	924	10280	7478	73%	10.56	973	11193	8143	73%	10.43	1073
-5°F	9747	7115	73%	10.86	897	10356	7560	73%	10.97	944	10660	7782	73%	10.72	994	11574	8449	73%	10.56	1096
0°F	9899	7251	73%	10.81	916	10508	7697	73%	10.90	964	10813	7920	73%	10.65	1015	11726	8590	73%	10.48	1119
5°F	10051	7388	74%	10.75	935	10660	7835	73%	10.83	984	10965	8059	74%	10.58	1036	11879	8731	74%	10.40	1142
10°F	10280	7581	74%	10.78	954	10889	8030	74%	10.84	1004	11193	8255	74%	10.59	1057	12107	8929	74%	10.39	1165
15°F	10508	7776	74%	10.80	973	11117	8227	74%	10.86	1024	11422	8452	74%	10.60	1078	12335	9128	74%	10.38	1189
20°F	10660	7915	74%	10.75	992	11269	8368	74%	10.79	1044	11574	8594	74%	10.53	1099	12488	9272	74%	10.31	1212
25°F	10813	8055	75%	10.70	1011	11422	8509	74%	10.73	1064	11726	8736	75%	10.47	1120	12640	9417	74%	10.24	1235
30°F	11193	8367	75%	10.87	1030	11802	8822	75%	10.89	1084	12107	9050	75%	10.61	1141	13021	9733	75%	10.35	1258
35°F	11574	8681	75%	11.04	1049	12183	9137	75%	11.04	1104	12488	9366	75%	10.75	1162	13402	10051	75%	10.46	1281
40°F	11802	8881	75%	11.05	1068	12412	9340	75%	11.04	1124	12716	9569	75%	10.75	1183	13630	10257	75%	10.45	1304
45°F	12031	9083	76%	11.07	1087	12640	9543	75%	11.05	1144	12945	9773	75%	10.75	1204	13858	10463	75%	10.44	1327
50°F	12412	9402	76%	11.23	1106	13021	9863	76%	11.19	1164	13325	10094	76%	10.88	1225	14239	10786	76%	10.54	1351
55°F	12792	9722	76%	11.38	1125	13402	10185	76%	11.32	1184	13706	10417	76%	11.00	1246	14620	11111	76%	10.64	1374
60°F	13173	10044	76%	11.52	1143	13782	10509	76%	11.45	1204	14087	10741	76%	11.12	1267	15001	11438	76%	10.74	1397
65°F	13554	10369	76%	11.66	1162	14163	10835	76%	11.57	1224	14468	11068	77%	11.23	1288	15381	11767	77%	10.83	1420
70°F	14163	10870	77%	11.99	1181	14772	11338	77%	11.88	1244	15077	11571	77%	11.52	1309	15990	12273	77%	11.08	1443
75°F	14772	11375	77%	12.31	1200	15381	11844	77%	12.17	1264	15686	12078	77%	11.79	1330	16600	12782	77%	11.32	1466
80°F	15001	11588	77%	12.30	1219	15610	12059	77%	12.16	1283	15914	12294	77%	11.78	1351	16828	13000	77%	11.30	1489
85°F	15229	11802	78%	12.30	1238	15838	12275	77%	12.15	1303	16143	12511	77%	11.77	1372	17056	13219	77%	11.28	1513
90°F	14772	11485	78%	11.81	1251	15381	11959	78%	11.68	1317	15686	12196	78%	11.32	1386	16600	12906	78%	10.86	1528
95°F	14315	11166	78%	11.33	1264	14924	11641	78%	11.22	1330	15229	11879	78%	10.88	1400	16143	12591	78%	10.46	1544
100°F	13554	10606	78%	10.67	1270	14163	11083	78%	10.60	1337	14315	11202	78%	10.17	1407	15381	12036	78%	9.92	1551
105°F	12792	10042	78%	10.02	1276	13402	10520	78%	9.98	1343	13706	10759	79%	9.69	1414	14620	11477	78%	9.38	1559
110°F	11650	9175	79%	9.51	1226	12259	9654	79%	9.50	1290	12564	9894	79%	9.25	1358	13478	10614	79%	9.00	1497
115°F	10508	8301	79%	8.94	1175	11117	8783	79%	8.99	1237	11422	9023	79%	8.77	1302	12335	9745	79%	8.59	1435
120°F	10280	8147	79%	8.66	1188	10889	8629	79%	8.71	1250	11193	8871	79%	8.51	1316	12107	9595	79%	8.34	1451
122°F	10051	7991	80%	8.37	1200	10660	8475	80%	8.44	1264	10965	8717	80%	8.24	1330	11879	9444	79%	8.10	1466
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



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	8528	6183	72%	10.15	840	9137	6625	73%	10.53	868	9442	6845	73%	10.38	910	10356	7508	73%	10.57	980
-15°F	8985	6514	72%	10.46	859	9594	6956	73%	10.61	904	9899	7177	73%	10.40	952	10813	7839	73%	10.30	1050
-10°F	9366	6814	73%	10.67	878	9975	7257	73%	10.79	924	10280	7478	73%	10.56	973	11193	8143	73%	10.43	1073
-5°F	9747	7115	73%	10.86	897	10356	7560	73%	10.97	944	10660	7782	73%	10.72	994	11574	8449	73%	10.56	1096
0°F	9899	7251	73%	10.81	916	10508	7697	73%	10.90	964	10813	7920	73%	10.65	1015	11726	8590	73%	10.48	1119
5°F	10051	7388	74%	10.75	935	10660	7835	73%	10.83	984	10965	8059	74%	10.58	1036	11879	8731	74%	10.40	1142
10°F	10280	7581	74%	10.78	954	10889	8030	74%	10.84	1004	11193	8255	74%	10.59	1057	12107	8929	74%	10.39	1165
15°F	10508	7776	74%	10.80	973	11117	8227	74%	10.86	1024	11422	8452	74%	10.60	1078	12335	9128	74%	10.38	1189
20°F	10660	7915	74%	10.75	992	11269	8368	74%	10.79	1044	11574	8594	74%	10.53	1099	12488	9272	74%	10.31	1212
25°F	10813	8055	75%	10.70	1011	11422	8509	74%	10.73	1064	11726	8736	75%	10.47	1120	12640	9417	74%	10.24	1235
30°F	11193	8367	75%	10.87	1030	11802	8822	75%	10.89	1084	12107	9050	75%	10.61	1141	13021	9733	75%	10.35	1258
35°F	11574	8681	75%	11.04	1049	12183	9137	75%	11.04	1104	12488	9366	75%	10.75	1162	13402	10051	75%	10.46	1281
40°F	11802	8881	75%	11.05	1068	12412	9340	75%	11.04	1124	12716	9569	75%	10.75	1183	13630	10257	75%	10.45	1304
45°F	12031	9083	76%	11.07	1087	12640	9543	75%	11.05	1144	12945	9773	75%	10.75	1204	13858	10463	75%	10.44	1327
50°F	12412	9402	76%	11.23	1106	13021	9863	76%	11.19	1164	13325	10094	76%	10.88	1225	14239	10786	76%	10.54	1351
55°F	12792	9722	76%	11.38	1125	13402	10185	76%	11.32	1184	13706	10417	76%	11.00	1246	14620	11111	76%	10.64	1374
60°F	13173	10044	76%	11.52	1143	13782	10509	76%	11.45	1204	14087	10741	76%	11.12	1267	15001	11438	76%	10.74	1397
65°F	13554	10369	76%	11.66	1162	14163	10835	76%	11.57	1224	14468	11068	77%	11.23	1288	15381	11767	77%	10.83	1420
70°F	14163	10870	77%	11.99	1181	14772	11338	77%	11.88	1244	15077	11571	77%	11.52	1309	15990	12273	77%	11.08	1443
75°F	14772	11375	77%	12.31	1200	15381	11844	77%	12.17	1264	15686	12078	77%	11.79	1330	16600	12782	77%	11.32	1466
80°F	15001	11588	77%	12.30	1219	15610	12059	77%	12.16	1283	15914	12294	77%	11.78	1351	16828	13000	77%	11.30	1489
85°F	15229	11802	78%	12.30	1238	15838	12275	77%	12.15	1303	16143	12511	77%	11.77	1372	17056	13219	77%	11.28	1513
90°F	14772	11485	78%	11.81	1251	15381	11959	78%	11.68	1317	15686	12196	78%	11.32	1386	16600	12906	78%	10.86	1528
95°F	14315	11166	78%	11.33	1264	14924	11641	78%	11.22	1330	15229	11879	78%	10.88	1400	16143	12591	78%	10.46	1544
100°F	13554	10606	78%	10.67	1270	14163	11083	78%	10.60	1337	14315	11202	78%	10.17	1407	15381	12036	78%	9.92	1551
105°F	12792	10042	78%	10.02	1276	13402	10520	78%	9.98	1343	13706	10759	79%	9.69	1414	14620	11477	78%	9.38	1559
110°F	11650	9175	79%	9.51	1226	12259	9654	79%	9.50	1290	12564	9894	79%	9.25	1358	13478	10614	79%	9.00	1497
115°F	10508	8301	79%	8.94	1175	11117	8783	79%	8.99	1237	11422	9023	79%	8.77	1302	12335	9745	79%	8.59	1435
120°F	10280	8147	79%	8.66	1188	10889	8629	79%	8.71	1250	11193	8871	79%	8.51	1316	12107	9595	79%	8.34	1451
122°F	10051	7991	80%	8.37	1200	10660	8475	80%	8.44	1264	10965	8717	80%	8.24	1330	11879	9444	79%	8.10	1466
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	7592	1.60	1390	7300	1.51	1418	7008	1.42	1446	6716	1.33	1475
	-20°F	-20.5°F	7811	1.63	1404	7519	1.54	1432	7227	1.45	1461	6935	1.36	1490
	-15°F	-16°F	8030	1.66	1418	7738	1.57	1447	7446	1.48	1475	7154	1.39	1505
	-10°F	-11°F	8249	1.69	1433	7957	1.60	1461	7665	1.51	1491	7373	1.42	1520
	-5°F	-6°F	8468	1.72	1447	8176	1.62	1476	7884	1.53	1506	7592	1.45	1536
	0°F	-1°F	9052	1.80	1477	8760	1.70	1506	8468	1.62	1536	8176	1.53	1567
	5°F	3°F	10074	1.96	1507	9782	1.87	1537	9490	1.77	1568	9198	1.69	1599
	10°F	8°F	10950	2.03	1580	10658	1.94	1611	10366	1.85	1644	10074	1.76	1677
	15°F	13°F	11534	2.15	1574	11534	2.11	1605	11242	2.01	1638	10950	1.92	1670
	17°F	15°F	12118	2.26	1568	12410	2.27	1599	12118	2.18	1631	11826	2.08	1664
	20°F	17°F	12045	2.06	1710	11753	1.98	1744	11461	1.89	1779	11169	1.80	1814
	25°F	22°F	11972	2.19	1603	11680	2.09	1636	11388	2.00	1668	11096	1.91	1702
	30°F	27°F	11753	2.28	1509	11461	2.18	1539	11169	2.08	1570	10877	1.99	1601
	35°F	33°F	11534	2.39	1415	11242	2.28	1443	10950	2.18	1472	10658	2.08	1501
	40°F	36°F	13870	3.59	1132	13578	3.45	1155	13286	3.31	1178	12994	3.17	1202
45°F	41°F	14308	3.63	1155	14016	3.48	1179	13724	3.35	1202	13432	3.21	1226	
47°F	43°F	14600	3.63	1179	14308	3.49	1203	14016	3.35	1227	13724	3.22	1251	
50°F	46°F	14454	3.58	1185	14162	3.43	1209	13870	3.30	1233	13578	3.16	1257	
55°F	50°F	14308	3.52	1191	14016	3.38	1215	13724	3.25	1239	13432	3.11	1264	
60°F	55°F	14162	3.45	1203	13870	3.31	1227	13578	3.18	1251	13286	3.05	1276	
65°F	60°F	13870	3.52	1155	13578	3.38	1179	13286	3.24	1202	12994	3.11	1226	
70°F	64°F	13724	3.50	1150	13432	3.36	1173	13140	3.22	1196	12848	3.09	1220	
75°F	69°F	13578	3.48	1144	13286	3.34	1167	12994	3.20	1190	12702	3.07	1214	
80°F	74°F	12410	3.28	1108	12118	3.14	1130	11826	3.01	1153	11534	2.87	1176	
86°F	80°F	10950	2.96	1085	10658	2.82	1106	10366	2.69	1129	10074	2.57	1151	

\*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	7592	1.60	1390	7300	1.51	1418	7008	1.42	1446	6716	1.33	1475
	-20°F	-20.5°F	7811	1.63	1404	7519	1.54	1432	7227	1.45	1461	6935	1.36	1490
	-15°F	-16°F	8030	1.66	1418	7738	1.57	1447	7446	1.48	1475	7154	1.39	1505
	-10°F	-11°F	8249	1.69	1433	7957	1.60	1461	7665	1.51	1491	7373	1.42	1520
	-5°F	-6°F	8468	1.72	1447	8176	1.62	1476	7884	1.53	1506	7592	1.45	1536
	0°F	-1°F	9052	1.80	1477	8760	1.70	1506	8468	1.62	1536	8176	1.53	1567
	5°F	3°F	10074	1.96	1507	9782	1.87	1537	9490	1.77	1568	9198	1.69	1599
	10°F	8°F	10950	2.03	1580	10658	1.94	1611	10366	1.85	1644	10074	1.76	1677
	15°F	13°F	11534	2.15	1574	11534	2.11	1605	11242	2.01	1638	10950	1.92	1670
	17°F	15°F	12118	2.26	1568	12410	2.27	1599	12118	2.18	1631	11826	2.08	1664
	20°F	17°F	12045	2.06	1710	11753	1.98	1744	11461	1.89	1779	11169	1.80	1814
	25°F	22°F	11972	2.19	1603	11680	2.09	1636	11388	2.00	1668	11096	1.91	1702
	30°F	27°F	11753	2.28	1509	11461	2.18	1539	11169	2.08	1570	10877	1.99	1601
	35°F	33°F	11534	2.39	1415	11242	2.28	1443	10950	2.18	1472	10658	2.08	1501
	40°F	36°F	13870	3.59	1132	13578	3.45	1155	13286	3.31	1178	12994	3.17	1202
	45°F	41°F	14308	3.63	1155	14016	3.48	1179	13724	3.35	1202	13432	3.21	1226
	47°F	43°F	14600	3.63	1179	14308	3.49	1203	14016	3.35	1227	13724	3.22	1251
	50°F	46°F	14454	3.58	1185	14162	3.43	1209	13870	3.30	1233	13578	3.16	1257
55°F	50°F	14308	3.52	1191	14016	3.38	1215	13724	3.25	1239	13432	3.11	1264	
60°F	55°F	14162	3.45	1203	13870	3.31	1227	13578	3.18	1251	13286	3.05	1276	
65°F	60°F	13870	3.52	1155	13578	3.38	1179	13286	3.24	1202	12994	3.11	1226	
70°F	64°F	13724	3.50	1150	13432	3.36	1173	13140	3.22	1196	12848	3.09	1220	
75°F	69°F	13578	3.48	1144	13286	3.34	1167	12994	3.20	1190	12702	3.07	1214	
80°F	74°F	12410	3.28	1108	12118	3.14	1130	11826	3.01	1153	11534	2.87	1176	
86°F	80°F	10950	2.96	1085	10658	2.82	1106	10366	2.69	1129	10074	2.57	1151	

\*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	7703	4390	57%	10.85	710	7941	4685	59%	10.96	725	8144	4887	60%	11.02	739	8715	5316	61%	11.22	776
	-15°F	7941	4685	59%	10.96	725	8186	4994	61%	11.07	739	8396	5206	62%	11.13	754	8984	5660	63%	11.34	792
	-10°F	8186	4830	59%	11.07	739	8440	5148	61%	11.19	754	8656	5367	62%	11.24	770	9262	5835	63%	11.46	808
	-5°F	8440	4979	59%	11.19	754	8701	5307	61%	11.30	770	8924	5533	62%	11.36	786	9548	6015	63%	11.58	825
	0°F	8701	5133	59%	11.30	770	8970	5472	61%	11.42	786	9200	5704	62%	11.48	802	9844	6202	63%	11.69	842
	5°F	8970	5472	61%	11.42	786	9247	5826	63%	11.54	802	9484	6070	64%	11.59	818	10148	6596	65%	11.82	859
	10°F	9247	5641	61%	11.54	802	9533	6006	63%	11.65	818	9778	6258	64%	11.71	835	10462	6800	65%	11.94	876
	15°F	9533	5815	61%	11.65	818	9828	6192	63%	11.77	835	10080	6451	64%	11.83	852	10786	7011	65%	12.06	894
	20°F	9828	5995	61%	11.77	835	10132	6383	63%	11.90	852	10392	6651	64%	11.96	869	11119	7227	65%	12.18	913
	25°F	10132	6383	63%	11.90	852	10445	6789	65%	12.02	869	10713	7071	66%	12.08	887	11463	7680	67%	12.31	931
	30°F	10445	6581	63%	12.02	869	10768	6999	65%	12.14	887	11044	7289	66%	12.20	905	11818	7918	67%	12.44	950
	35°F	10768	6784	63%	12.14	887	11101	7216	65%	12.27	905	11386	7515	66%	12.33	923	12183	8163	67%	12.57	970
	40°F	11101	6994	63%	12.27	905	11445	7439	65%	12.39	923	11738	7747	66%	12.46	942	12560	8415	67%	12.69	989
	45°F	11445	7668	67%	12.39	923	11799	8141	69%	12.52	942	12101	8471	70%	12.59	961	12948	9193	71%	12.83	1010
	50°F	11799	7905	67%	12.52	942	12164	8393	69%	12.65	961	12475	8733	70%	12.72	981	13349	9478	71%	12.96	1030
	55°F	12164	8150	67%	12.65	961	12540	8652	69%	12.78	981	12861	9003	70%	12.85	1001	13762	9771	71%	13.09	1051
	60°F	12540	8402	67%	12.78	981	12928	8920	69%	12.91	1001	13259	9281	70%	12.98	1022	14187	10073	71%	13.23	1073
	65°F	14753	10032	68%	12.93	1141	15209	10646	70%	13.07	1164	15599	11075	71%	13.13	1188	16691	12017	72%	13.38	1247
	70°F	15054	10237	68%	13.06	1152	15519	10864	70%	13.20	1176	15917	11301	71%	13.27	1200	17031	12263	72%	13.52	1260
	75°F	15519	10553	68%	13.20	1176	15999	11200	70%	13.33	1200	16410	11651	71%	13.40	1224	17558	12642	72%	13.66	1286
	80°F	17636	11992	68%	13.05	1352	18181	12727	70%	13.18	1379	18647	13240	71%	13.25	1407	19953	14366	72%	13.50	1478
	85°F	16957	11701	69%	11.67	1453	17482	12412	71%	11.79	1483	17930	12910	72%	11.85	1513	19185	14005	73%	12.07	1589
	90°F	18432	12718	69%	10.15	1817	19002	13491	71%	10.25	1854	19489	14032	72%	10.30	1892	20853	15223	73%	10.50	1986
95°F	18070	12469	69%	9.65	1873	18629	13227	71%	9.75	1911	19107	13757	72%	9.80	1950	20444	14924	73%	9.99	2048	
100°F	17528	12095	69%	9.09	1929	18070	12830	71%	9.18	1968	18534	13344	72%	9.23	2009	19831	14477	73%	9.40	2109	
105°F	16827	11779	70%	8.39	2006	17348	12490	72%	8.47	2047	17792	12988	73%	8.52	2089	19038	14088	74%	8.68	2193	
110°F	15605	10923	70%	7.39	2113	16088	11583	72%	7.46	2156	16500	12045	73%	7.50	2200	17655	13065	74%	7.64	2310	
115°F	12796	8957	70%	7.12	1796	13192	9498	72%	7.20	1833	13530	9877	73%	7.24	1870	14477	10713	74%	7.37	1964	
120°F	11772	8241	70%	6.83	1724	12136	8738	72%	6.90	1759	12448	9087	73%	6.93	1795	13319	9856	74%	7.07	1885	
122°F	10948	7773	71%	6.61	1655	11287	8239	73%	6.68	1689	11576	8566	74%	6.72	1723	12387	9290	75%	6.85	1810	
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)	
<b>MAX OUTPUT*</b>	-20°F	9269	5005	54%	10.28	902	9556	5351	56%	10.38	920	9801	5587	57%	10.44	939	10487	6082	58%	10.64	986
	-15°F	9556	5256	55%	10.38	920	9851	5615	57%	10.49	939	10104	5860	58%	10.54	958	10811	6379	59%	10.74	1006
	-10°F	9851	5418	55%	10.49	939	10156	5789	57%	10.60	958	10417	6042	58%	10.65	978	11146	6576	59%	10.86	1027
	-5°F	10156	5586	55%	10.60	958	10470	5968	57%	10.71	978	10739	6228	58%	10.76	998	11490	6779	59%	10.97	1048
	0°F	10470	5759	55%	10.71	978	10794	6153	57%	10.82	998	11071	6421	58%	10.87	1018	11846	6989	59%	11.08	1069
	5°F	10794	6045	56%	10.82	998	11128	6454	58%	10.93	1018	11413	6734	59%	10.99	1039	12212	7327	60%	11.19	1091
	10°F	11128	6232	56%	10.93	1018	11472	6654	58%	11.04	1039	11766	6942	59%	11.10	1060	12590	7554	60%	11.31	1113
	15°F	11472	6424	56%	11.04	1039	11827	6860	58%	11.16	1060	12130	7157	59%	11.21	1082	12979	7788	60%	11.43	1136
	20°F	11827	6623	56%	11.16	1060	12193	7072	58%	11.27	1082	12505	7378	59%	11.33	1104	13381	8028	60%	11.54	1159
	25°F	12193	6950	57%	11.27	1082	12570	7416	59%	11.39	1104	12892	7735	60%	11.45	1126	13795	8415	61%	11.66	1183
	30°F	12570	7165	57%	11.39	1104	12959	7646	59%	11.50	1126	13291	7974	60%	11.56	1149	14221	8675	61%	11.78	1207
	35°F	12959	7386	57%	11.50	1126	13359	7882	59%	11.62	1149	13702	8221	60%	11.68	1173	14661	8943	61%	11.91	1231
	40°F	13359	7615	57%	11.62	1149	13772	8126	59%	11.74	1173	14126	8475	60%	11.80	1197	15114	9220	61%	12.03	1257
	45°F	13772	7988	58%	11.74	1173	14198	8519	60%	11.86	1197	14562	8883	61%	11.92	1221	15582	9661	62%	12.15	1282
	50°F	14198	8235	58%	11.86	1197	14638	8783	60%	11.99	1221	15013	9158	61%	12.05	1246	16064	9960	62%	12.28	1308
	55°F	14638	8490	58%	11.99	1221	15090	9054	60%	12.11	1246	15477	9441	61%	12.17	1272	16561	10268	62%	12.40	1335
	60°F	14936	8663	58%	12.11	1234	15398	9239	60%	12.23	1259	15793	9634	61%	12.30	1284	16899	10477	62%	12.53	1349
	65°F	15890	9375	59%	11.85	1341	16381	9992	61%	11.97	1368	16801	10417	62%	12.03	1396	17977	11326	63%	12.26	1466
	70°F	16214	9566	59%	11.97	1354	16715	10196	61%	12.10	1382	17144	10629	62%	12.16	1410	18344	11557	63%	12.39	1481
	75°F	16715	9862	59%	11.85	1411	17232	10512	61%	11.97	1440	17674	10958	62%	12.03	1469	18911	11914	63%	12.26	1542
	80°F	17782	10492	59%	11.60	1533	18332	11183	61%	11.72	1565	18802	11657	62%	11.78	1597	20119	12675	63%	12.00	1677
	85°F	17606	10564	60%	11.02	1597	18151	11253	62%	11.14	1630	18616	11728	63%	11.19	1663	19919	12748	64%	11.41	1746
	90°F	19137	11482	60%	10.78	1775	19729	12232	62%	10.89	1811	20235	12748	63%	10.95	1848	21651	13857	64%	11.16	1940
	95°F	20144	12490	62%	9.53	2113	20768	13291	64%	9.63	2156	21300	13845	65%	9.68	2200	22791	15042	66%	9.87	2310
100°F	19339	11990	62%	8.89	2176	19937	12760	64%	8.98	2221	20448	13291	65%	9.02	2266	21879	14440	66%	9.20	2379	
105°F	18759	11818	63%	8.29	2263	19339	12570	65%	8.37	2310	19835	13091	66%	8.42	2357	21223	14219	67%	8.58	2474	
110°F	18442	11803	64%	7.44	2478	19013	12548	66%	7.52	2528	19500	13065	67%	7.56	2580	20865	14188	68%	7.70	2709	
115°F	15676	10033	64%	6.80	2304	16161	10666	66%	6.87	2351	16575	11105	67%	6.91	2399	17735	12060	68%	7.04	2519	
120°F	13324	8794	66%	6.57	2028	13737	9341	68%	6.64	2069	14089	9721	69%	6.67	2111	15075	10552	70%	6.80	2217	
122°F	11726	7739	66%	6.15	1906	12088	8220	68%	6.21	1945	12398	8555	69%	6.25	1985	13266	9286	70%	6.37	2084	
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	9212	1.32	2049	8982	1.26	2090	8713	1.20	2132	8364	1.13	2175
	-20°F	-20.5°F	9697	1.38	2060	9455	1.32	2101	9171	1.25	2143	8804	1.18	2186
	-15°F	-16°F	10208	1.45	2070	9952	1.38	2111	9654	1.31	2154	9268	1.24	2197
	-10°F	-11°F	10802	1.57	2019	10532	1.50	2060	10216	1.43	2101	9807	1.34	2143
	-5°F	-6°F	11491	1.66	2030	11204	1.59	2070	10868	1.51	2112	10433	1.42	2154
	0°F	-1°F	12096	1.74	2040	11794	1.66	2081	11440	1.58	2122	10982	1.49	2165
	5°F	3°F	12600	1.80	2050	12285	1.72	2091	11916	1.64	2133	11440	1.54	2175
	10°F	8°F	13962	1.83	2234	13613	1.75	2279	13205	1.67	2324	12677	1.57	2371
	15°F	13°F	14544	1.86	2291	14180	1.78	2337	13755	1.69	2384	13205	1.59	2431
	17°F	15°F	15000	1.87	2350	14625	1.79	2397	14186	1.70	2445	13619	1.60	2494
	20°F	17°F	15150	1.95	2280	14771	1.86	2325	14328	1.77	2372	13755	1.67	2419
	25°F	22°F	15644	1.98	2313	15253	1.90	2359	14795	1.80	2406	14204	1.70	2454
	30°F	27°F	16296	2.09	2290	15889	1.99	2336	15412	1.90	2382	14795	1.78	2430
	35°F	33°F	16800	2.19	2245	16380	2.10	2290	15889	1.99	2336	15253	1.88	2382
	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



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	10003	1.35	2176	9752	1.29	2220	9460	1.22	2264	9081	1.15	2310
	-20°F	-20.5°F	10529	1.38	2232	10266	1.32	2277	9958	1.26	2322	9559	1.18	2369
	-15°F	-16°F	11142	1.43	2278	10863	1.37	2323	10537	1.30	2370	10116	1.23	2417
	-10°F	-11°F	12661	1.60	2324	12345	1.53	2371	11974	1.45	2418	11495	1.37	2467
	-5°F	-6°F	14068	1.74	2372	13716	1.66	2419	13305	1.58	2467	12773	1.49	2517
	0°F	-1°F	14355	1.77	2384	13996	1.69	2431	13576	1.60	2480	13033	1.51	2529
	5°F	3°F	14500	1.80	2360	14138	1.72	2407	13713	1.64	2455	13165	1.54	2504
	10°F	8°F	14790	1.82	2384	14420	1.74	2431	13988	1.65	2480	13428	1.56	2529
	15°F	13°F	18612	1.50	3638	18147	1.43	3711	17602	1.36	3785	16898	1.28	3861
	17°F	15°F	19206	1.53	3675	18726	1.46	3749	18164	1.39	3823	17438	1.31	3900
	20°F	17°F	19800	1.55	3750	19305	1.48	3825	18726	1.41	3902	17977	1.32	3980
	25°F	22°F	19489	1.62	3525	19002	1.55	3596	18432	1.47	3668	17695	1.39	3741
	30°F	27°F	19107	1.70	3295	18629	1.62	3360	18070	1.55	3428	17348	1.45	3496
	35°F	33°F	19300	1.75	3230	18818	1.67	3295	18253	1.59	3360	17523	1.50	3428
	40°F	36°F	21916	2.29	2800	21368	2.19	2856	20727	2.09	2913	19898	1.96	2971
	45°F	41°F	23069	2.44	2772	22492	2.33	2827	21818	2.22	2884	20945	2.09	2942
47°F	43°F	23540	2.46	2800	22952	2.36	2856	22263	2.24	2913	21372	2.11	2971	
50°F	46°F	24011	2.49	2828	23411	2.38	2885	22708	2.26	2942	21800	2.13	3001	
55°F	50°F	24491	2.58	2786	23879	2.46	2841	23162	2.34	2898	22236	2.20	2956	
60°F	55°F	22042	2.61	2479	21491	2.49	2529	20846	2.37	2579	20012	2.23	2631	
65°F	60°F	20279	2.55	2330	19772	2.44	2377	19178	2.32	2425	18411	2.18	2473	
70°F	64°F	18656	2.61	2097	18190	2.49	2139	17644	2.37	2182	16938	2.23	2226	
75°F	69°F	17537	2.72	1888	17098	2.60	1925	16586	2.48	1964	15922	2.33	2003	
80°F	74°F	15783	2.69	1718	15389	2.57	1752	14927	2.45	1787	14330	2.30	1823	
86°F	80°F	14205	2.66	1563	13850	2.55	1594	13434	2.42	1626	12897	2.28	1659	

\*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

Return Air Temperature

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	7880	4491	57%	11.22	702	8123	4793	59%	11.33	717	8332	4999	60%	11.39	731	8915	5438	61%	11.61	768
-15°F	8123	4793	59%	11.33	717	8374	5108	61%	11.45	731	8589	5325	62%	11.51	746	9190	5790	63%	11.73	784
-10°F	8374	4941	59%	11.45	731	8633	5266	61%	11.57	746	8855	5490	62%	11.63	762	9475	5969	63%	11.85	800
-5°F	8633	5094	59%	11.57	746	8900	5429	61%	11.69	762	9129	5660	62%	11.75	777	9768	6154	63%	11.97	816
0°F	8900	5251	59%	11.69	762	9176	5597	61%	11.81	777	9411	5835	62%	11.87	793	10070	6344	63%	12.09	833
5°F	9176	5597	61%	11.81	777	9460	5960	63%	11.93	793	9702	6209	64%	11.99	809	10381	6748	65%	12.22	850
10°F	9460	5770	61%	11.93	793	9752	6144	63%	12.05	809	10002	6401	64%	12.11	826	10702	6957	65%	12.34	867
15°F	9752	5949	61%	12.05	809	10054	6334	63%	12.18	826	10312	6599	64%	12.24	843	11033	7172	65%	12.47	885
20°F	10054	6133	61%	12.18	826	10365	6530	63%	12.30	843	10630	6803	64%	12.36	860	11375	7393	65%	12.60	903
25°F	10365	6530	63%	12.30	843	10685	6945	65%	12.43	860	10959	7233	66%	12.49	877	11726	7857	67%	12.73	921
30°F	10685	6732	63%	12.43	860	11016	7160	65%	12.56	877	11298	7457	66%	12.62	895	12089	8100	67%	12.86	940
35°F	11016	6940	63%	12.56	877	11356	7382	65%	12.69	895	11648	7687	66%	12.75	913	12463	8350	67%	12.99	959
40°F	11356	7155	63%	12.69	895	11708	7610	65%	12.82	913	12008	7925	66%	12.88	932	12848	8608	67%	13.13	979
45°F	11708	7844	67%	12.82	913	12070	8328	69%	12.95	932	12379	8665	70%	13.02	951	13246	9404	71%	13.26	999
50°F	12070	8087	67%	12.95	932	12443	8586	69%	13.08	951	12762	8933	70%	13.15	971	13655	9695	71%	13.40	1019
55°F	12443	8337	67%	13.08	951	12828	8851	69%	13.22	971	13157	9210	70%	13.28	990	14078	9995	71%	13.54	1040
60°F	12828	8595	67%	13.22	971	13225	9125	69%	13.35	990	13564	9495	70%	13.42	1011	14513	10304	71%	13.68	1061
65°F	15092	10262	68%	13.37	1129	15558	10891	70%	13.51	1152	15957	11330	71%	13.58	1175	17074	12293	72%	13.84	1234
70°F	15400	10472	68%	13.51	1140	15876	11113	70%	13.65	1163	16283	11561	71%	13.72	1187	17423	12544	72%	13.98	1246
75°F	15876	10796	68%	13.65	1163	16367	11457	70%	13.79	1187	16787	11918	71%	13.86	1211	17962	12932	72%	14.12	1272
80°F	18041	12268	68%	13.49	1337	18599	13019	70%	13.63	1364	19076	13544	71%	13.70	1392	20411	14696	72%	13.96	1462
85°F	17182	11855	69%	11.82	1453	17713	12576	71%	11.94	1483	18167	13080	72%	12.01	1513	19439	14190	73%	12.23	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	17496	12247	70%	8.10	2161	18038	12987	72%	8.18	2205	18500	13505	73%	8.22	2250	19795	14648	74%	8.38	2363
115°F	14347	10043	70%	7.81	1837	14791	10649	72%	7.89	1874	15170	11074	73%	7.93	1913	16232	12012	74%	8.08	2008
120°F	13199	9239	70%	7.49	1763	13607	9797	72%	7.56	1799	13956	10188	73%	7.60	1836	14933	11051	74%	7.75	1928
122°F	12275	8715	71%	7.25	1693	12655	9238	73%	7.33	1727	12979	9605	74%	7.36	1763	13888	10416	75%	7.50	1851
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



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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	9269	5005	54%	10.28	902	9556	5351	56%	10.38	920	9801	5587	57%	10.44	939	10487	6082	58%	10.64	986
	-15°F	9556	5256	55%	10.38	920	9851	5615	57%	10.49	939	10104	5860	58%	10.54	958	10811	6379	59%	10.74	1006
	-10°F	9851	5418	55%	10.49	939	10156	5789	57%	10.60	958	10417	6042	58%	10.65	978	11146	6576	59%	10.86	1027
	-5°F	10156	5586	55%	10.60	958	10470	5968	57%	10.71	978	10739	6228	58%	10.76	998	11490	6779	59%	10.97	1048
	0°F	10470	5759	55%	10.71	978	10794	6153	57%	10.82	998	11071	6421	58%	10.87	1018	11846	6989	59%	11.08	1069
	5°F	10794	6045	56%	10.82	998	11128	6454	58%	10.93	1018	11413	6734	59%	10.99	1039	12212	7327	60%	11.19	1091
	10°F	11128	6232	56%	10.93	1018	11472	6654	58%	11.04	1039	11766	6942	59%	11.10	1060	12590	7554	60%	11.31	1113
	15°F	11472	6424	56%	11.04	1039	11827	6860	58%	11.16	1060	12130	7157	59%	11.21	1082	12979	7788	60%	11.43	1136
	20°F	11827	6623	56%	11.16	1060	12193	7072	58%	11.27	1082	12505	7378	59%	11.33	1104	13381	8028	60%	11.54	1159
	25°F	12193	6950	57%	11.27	1082	12570	7416	59%	11.39	1104	12892	7735	60%	11.45	1126	13795	8415	61%	11.66	1183
	30°F	12570	7165	57%	11.39	1104	12959	7646	59%	11.50	1126	13291	7974	60%	11.56	1149	14221	8675	61%	11.78	1207
	35°F	12959	7386	57%	11.50	1126	13359	7882	59%	11.62	1149	13702	8221	60%	11.68	1173	14661	8943	61%	11.91	1231
	40°F	13359	7615	57%	11.62	1149	13772	8126	59%	11.74	1173	14126	8475	60%	11.80	1197	15114	9220	61%	12.03	1257
	45°F	13772	7988	58%	11.74	1173	14198	8519	60%	11.86	1197	14562	8883	61%	11.92	1221	15582	9661	62%	12.15	1282
	50°F	14198	8235	58%	11.86	1197	14638	8783	60%	11.99	1221	15013	9158	61%	12.05	1246	16064	9960	62%	12.28	1308
	55°F	14638	8490	58%	11.99	1221	15090	9054	60%	12.11	1246	15477	9441	61%	12.17	1272	16561	10268	62%	12.40	1335
	60°F	14936	8663	58%	12.11	1234	15398	9239	60%	12.23	1259	15793	9634	61%	12.30	1284	16899	10477	62%	12.53	1349
	65°F	15890	9375	59%	11.85	1341	16381	9992	61%	11.97	1368	16801	10417	62%	12.03	1396	17977	11326	63%	12.26	1466
	70°F	16214	9566	59%	11.97	1354	16715	10196	61%	12.10	1382	17144	10629	62%	12.16	1410	18344	11557	63%	12.39	1481
	75°F	16715	9862	59%	11.85	1411	17232	10512	61%	11.97	1440	17674	10958	62%	12.03	1469	18911	11914	63%	12.26	1542
	80°F	17782	10492	59%	11.60	1533	18332	11183	61%	11.72	1565	18802	11657	62%	11.78	1597	20119	12675	63%	12.00	1677
85°F	17606	10564	60%	11.02	1597	18151	11253	62%	11.14	1630	18616	11728	63%	11.19	1663	19919	12748	64%	11.41	1746	
90°F	19137	11482	60%	10.78	1775	19729	12232	62%	10.89	1811	20235	12748	63%	10.95	1848	21651	13857	64%	11.16	1940	
95°F	20144	12490	62%	9.53	2113	20768	13291	64%	9.63	2156	21300	13845	65%	9.68	2200	22791	15042	66%	9.87	2310	
100°F	19339	11990	62%	8.89	2176	19937	12760	64%	8.98	2221	20448	13291	65%	9.02	2266	21879	14440	66%	9.20	2379	
105°F	18759	11818	63%	8.29	2263	19339	12570	65%	8.37	2310	19835	13091	66%	8.42	2357	21223	14219	67%	8.58	2474	
110°F	18442	11803	64%	7.44	2478	19013	12548	66%	7.52	2528	19500	13065	67%	7.56	2580	20865	14188	68%	7.70	2709	
115°F	15676	10033	64%	6.80	2304	16161	10666	66%	6.87	2351	16575	11105	67%	6.91	2399	17735	12060	68%	7.04	2519	
120°F	13324	8794	66%	6.57	2028	13737	9341	68%	6.64	2069	14089	9721	69%	6.67	2111	15075	10552	70%	6.80	2217	
122°F	11726	7739	66%	6.15	1906	12088	8220	68%	6.21	1945	12398	8555	69%	6.25	1985	13266	9286	70%	6.37	2084	
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	9194	1.31	2050	8964	1.26	2091	8695	1.19	2133	8347	1.12	2175
	-20°F	-20.5°F	10103	1.43	2071	9851	1.37	2112	9555	1.30	2154	9173	1.22	2197
	-15°F	-16°F	11042	1.54	2102	10766	1.47	2144	10443	1.40	2187	10025	1.32	2231
	-10°F	-11°F	12002	1.64	2145	11702	1.57	2188	11351	1.49	2232	10897	1.40	2276
	-5°F	-6°F	12768	1.71	2189	12449	1.63	2233	12075	1.55	2277	11592	1.46	2323
	0°F	-1°F	13440	1.76	2233	13104	1.69	2278	12711	1.60	2324	12202	1.51	2370
	5°F	3°F	14000	1.80	2279	13650	1.72	2325	13241	1.64	2371	12711	1.54	2418
	10°F	8°F	16196	2.08	2282	15791	1.99	2327	15318	1.89	2374	14705	1.78	2421
	15°F	13°F	16871	2.11	2340	16449	2.02	2387	15956	1.92	2435	15318	1.81	2483
	17°F	15°F	17400	2.12	2400	16965	2.03	2448	16456	1.93	2497	15798	1.82	2547
	20°F	17°F	17574	2.21	2328	17135	2.11	2375	16621	2.01	2422	15956	1.89	2470
	25°F	22°F	15924	2.01	2318	15525	1.92	2364	15060	1.83	2412	14457	1.72	2460
	30°F	27°F	16587	2.12	2295	16172	2.02	2341	15687	1.93	2388	15060	1.81	2435
	35°F	33°F	17100	2.23	2250	16673	2.13	2295	16172	2.02	2341	15525	1.91	2388
	40°F	36°F	19890	3.02	1931	19393	2.89	1969	18811	2.74	2008	18058	2.58	2049
	45°F	41°F	20505	3.08	1950	19992	2.95	1989	19393	2.80	2029	18617	2.64	2069
	47°F	43°F	20813	3.10	1970	20292	2.96	2009	19683	2.82	2049	18896	2.65	2090
50°F	46°F	17899	3.46	1517	17451	3.31	1547	16928	3.14	1578	16251	2.96	1609	
55°F	50°F	17541	3.42	1501	17102	3.27	1531	16589	3.11	1562	15926	2.93	1593	
60°F	55°F	15787	3.39	1366	15392	3.24	1394	14930	3.08	1421	14333	2.90	1450	
65°F	60°F	15313	3.35	1339	14930	3.20	1366	14482	3.05	1393	13903	2.87	1421	
70°F	64°F	11485	3.26	1031	11198	3.12	1052	10862	2.97	1073	10427	2.79	1094	
75°F	69°F	11025	3.20	1010	10750	3.06	1031	10427	2.91	1051	10010	2.74	1072	
80°F	74°F	10584	3.12	995	10320	2.98	1015	10010	2.83	1035	9610	2.67	1056	
86°F	80°F	10055	3.02	975	9804	2.89	995	9510	2.75	1015	9129	2.59	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





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)
DB	WB													
<b>MAX OUTPUT*</b>	-22°F	-22.5°F	10022	1.31	2250	9772	1.25	2295	9479	1.19	2341	9100	1.12	2388
	-20°F	-20.5°F	10719	1.36	2308	10451	1.30	2354	10138	1.24	2401	9732	1.16	2449
	-15°F	-16°F	11526	1.43	2355	11238	1.37	2402	10901	1.30	2450	10465	1.23	2499
	-10°F	-11°F	13098	1.60	2403	12770	1.53	2451	12387	1.45	2500	11892	1.37	2550
	-5°F	-6°F	14553	1.74	2452	14189	1.66	2501	13763	1.58	2551	13213	1.49	2602
	0°F	-1°F	14850	1.77	2464	14479	1.69	2514	14044	1.61	2564	13483	1.51	2615
	5°F	3°F	15000	1.80	2440	14625	1.72	2489	14186	1.64	2539	13619	1.54	2589
	10°F	8°F	15300	1.82	2464	14918	1.74	2514	14470	1.65	2564	13891	1.56	2615
	15°F	13°F	18706	1.55	3541	18238	1.48	3612	17691	1.41	3684	16984	1.32	3758
	17°F	15°F	19303	1.58	3577	18820	1.51	3649	18256	1.44	3722	17526	1.35	3796
	20°F	17°F	19900	1.60	3650	19403	1.53	3723	18820	1.45	3797	18068	1.37	3873
	25°F	22°F	20701	1.73	3503	20183	1.66	3573	19578	1.57	3645	18795	1.48	3718
	30°F	27°F	20295	1.82	3274	19788	1.74	3340	19194	1.65	3406	18426	1.55	3475
	35°F	33°F	20500	1.87	3210	19988	1.79	3274	19388	1.70	3340	18612	1.60	3406
	40°F	36°F	22865	2.27	2950	22294	2.17	3009	21625	2.07	3069	20760	1.94	3130
	45°F	41°F	24069	2.42	2921	23467	2.31	2979	22763	2.20	3038	21853	2.07	3099
	47°F	43°F	24560	2.44	2950	23946	2.33	3009	23228	2.22	3069	22299	2.09	3131
	50°F	46°F	25051	2.46	2980	24425	2.36	3039	23692	2.24	3100	22744	2.11	3162
	55°F	50°F	25552	2.55	2935	24913	2.44	2994	24166	2.32	3053	23199	2.18	3114
60°F	55°F	22997	2.58	2612	22422	2.47	2664	21749	2.35	2718	20879	2.21	2772	
65°F	60°F	21157	2.53	2455	20628	2.41	2504	20009	2.30	2554	19209	2.16	2606	
70°F	64°F	19465	2.58	2210	18978	2.47	2254	18409	2.35	2299	17672	2.21	2345	
75°F	69°F	18297	2.70	1989	17839	2.58	2029	17304	2.45	2069	16612	2.31	2110	
80°F	74°F	16467	2.67	1810	16055	2.55	1846	15574	2.42	1883	14951	2.28	1921	
86°F	80°F	14820	2.64	1647	14450	2.52	1680	14016	2.40	1713	13456	2.26	1748	

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

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COP - Coefficient of Performance





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