

COOLING PERFORMANCE

Connected Capacity	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 (Kbtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
135%	-22°F	9880	7657	78%	16.3	0.6	10544	8204	78%	16.8	0.6	11861	9299	78%	17.8	0.7	13462	10568	79%	19.2	0.7
	-4°F	10511	8146	78%	16.3	0.6	11217	8727	78%	16.8	0.7	12618	9893	78%	17.8	0.7	14322	11242	79%	19.2	0.7
	5°F	11182	8666	78%	16.3	0.7	11933	9284	78%	16.8	0.7	13423	10524	78%	17.8	0.8	15236	11960	79%	19.2	0.8
	14°F	11895	9219	78%	16.3	0.7	12695	9877	78%	16.8	0.8	14280	11196	78%	17.8	0.8	16208	12723	79%	19.2	0.8
	23°F	12655	9807	78%	16.3	0.8	13506	10507	78%	16.8	0.8	15192	11910	78%	17.8	0.9	17243	13536	79%	19.2	0.9
	32°F	13463	10433	78%	16.3	0.8	14368	11178	78%	16.8	0.9	16162	12671	78%	17.8	0.9	18343	14399	79%	19.2	1.0
	41°F	14322	11099	78%	16.3	0.9	15285	11891	78%	16.8	0.9	17193	13479	78%	17.8	1.0	19514	15319	79%	19.2	1.0
	50°F	15236	11808	78%	16.3	0.9	16260	12650	78%	16.8	1.0	18291	14340	78%	17.8	1.0	20760	16296	79%	19.2	1.1
	59°F	16209	12562	78%	16.3	1.0	17298	13458	78%	16.8	1.0	19458	15255	78%	17.8	1.1	22085	17337	79%	19.2	1.1
	68°F	17243	13363	78%	16.3	1.1	18402	14317	78%	16.8	1.1	20700	16229	78%	17.8	1.2	23495	18443	79%	19.2	1.2
	77°F	16493	12782	78%	14.6	1.1	17602	13695	78%	15.1	1.2	19800	15523	78%	16.0	1.2	22473	17641	79%	17.3	1.3
	86°F	15744	12201	78%	13.1	1.2	16802	13072	78%	13.5	1.2	18900	14818	78%	14.4	1.3	21452	16839	79%	15.5	1.4
	95°F	14994	11620	78%	11.7	1.3	16002	12450	78%	12.1	1.3	18000	14112	78%	12.9	1.4	20430	16038	79%	13.9	1.5
	104°F	14244	11039	78%	8.9	1.6	15202	11827	78%	9.2	1.7	17100	13406	78%	9.8	1.8	19409	15236	79%	10.5	1.8
	113°F	13495	10458	78%	7.0	1.9	14402	11205	78%	7.3	2.0	16200	12701	78%	7.7	2.1	18387	14434	79%	8.3	2.2
	118°F	13045	10110	78%	6.5	2.0	13922	10831	78%	6.7	2.1	15660	12277	78%	7.1	2.2	17774	13953	79%	7.7	2.3
120%	-22°F	9880	7657	78%	16.3	0.6	10544	8204	78%	16.8	0.6	11861	9299	78%	17.8	0.7	13462	10568	79%	19.2	0.7
	-4°F	10511	8146	78%	16.3	0.6	11217	8727	78%	16.8	0.7	12618	9893	78%	17.8	0.7	14322	11242	79%	19.2	0.7
	5°F	11182	8666	78%	16.3	0.7	11933	9284	78%	16.8	0.7	13423	10524	78%	17.8	0.8	15236	11960	79%	19.2	0.8
	14°F	11895	9219	78%	16.3	0.7	12695	9877	78%	16.8	0.8	14280	11196	78%	17.8	0.8	16208	12723	79%	19.2	0.8
	23°F	12655	9807	78%	16.3	0.8	13506	10507	78%	16.8	0.8	15192	11910	78%	17.8	0.9	17243	13536	79%	19.2	0.9
	32°F	13463	10433	78%	16.3	0.8	14368	11178	78%	16.8	0.9	16162	12671	78%	17.8	0.9	18343	14399	79%	19.2	1.0
	41°F	14322	11099	78%	16.3	0.9	15285	11891	78%	16.8	0.9	17193	13479	78%	17.8	1.0	19514	15319	79%	19.2	1.0
	50°F	15236	11808	78%	16.3	0.9	16260	12650	78%	16.8	1.0	18291	14340	78%	17.8	1.0	20760	16296	79%	19.2	1.1
	59°F	16209	12562	78%	16.3	1.0	17298	13458	78%	16.8	1.0	19458	15255	78%	17.8	1.1	22085	17337	79%	19.2	1.1
	68°F	17243	13363	78%	16.3	1.1	18402	14317	78%	16.8	1.1	20700	16229	78%	17.8	1.2	23495	18443	79%	19.2	1.2
	77°F	16493	12782	78%	14.6	1.1	17602	13695	78%	15.1	1.2	19800	15523	78%	16.0	1.2	22473	17641	79%	17.3	1.3
	86°F	15744	12201	78%	13.1	1.2	16802	13072	78%	13.5	1.2	18900	14818	78%	14.4	1.3	21452	16839	79%	15.5	1.4
	95°F	14994	11620	78%	11.7	1.3	16002	12450	78%	12.1	1.3	18000	14112	78%	12.9	1.4	20430	16038	79%	13.9	1.5
	104°F	14244	11039	78%	8.9	1.6	15202	11827	78%	9.2	1.7	17100	13406	78%	9.8	1.8	19409	15236	79%	10.5	1.8
	113°F	13495	10458	78%	7.0	1.9	14402	11205	78%	7.3	2.0	16200	12701	78%	7.7	2.1	18387	14434	79%	8.3	2.2
	118°F	13045	10110	78%	6.5	2.0	13922	10831	78%	6.7	2.1	15660	12277	78%	7.1	2.2	17774	13953	79%	7.7	2.3

COOLING PERFORMANCE

Connected Capacity	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 (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	
110%	-22°F	9880	7657	78%	16.3	0.6	10544	8204	78%	16.8	0.6	11861	9299	78%	17.8	0.7	13462	10568	79%	19.2	0.7	
	-4°F	10511	8146	78%	16.3	0.6	11217	8727	78%	16.8	0.7	12618	9893	78%	17.8	0.7	14322	11242	79%	19.2	0.7	
	5°F	11182	8666	78%	16.3	0.7	11933	9284	78%	16.8	0.7	13423	10524	78%	17.8	0.8	15236	11960	79%	19.2	0.8	
	14°F	11895	9219	78%	16.3	0.7	12695	9877	78%	16.8	0.8	14280	11196	78%	17.8	0.8	16208	12723	79%	19.2	0.8	
	23°F	12655	9807	78%	16.3	0.8	13506	10507	78%	16.8	0.8	15192	11910	78%	17.8	0.9	17243	13536	79%	19.2	0.9	
	32°F	13463	10433	78%	16.3	0.8	14368	11178	78%	16.8	0.9	16162	12671	78%	17.8	0.9	18343	14399	79%	19.2	1.0	
	41°F	14322	11099	78%	16.3	0.9	15285	11891	78%	16.8	0.9	17193	13479	78%	17.8	1.0	19514	15319	79%	19.2	1.0	
	50°F	15236	11808	78%	16.3	0.9	16260	12650	78%	16.8	1.0	18291	14340	78%	17.8	1.0	20760	16296	79%	19.2	1.1	
	59°F	16209	12562	78%	16.3	1.0	17298	13458	78%	16.8	1.0	19458	15255	78%	17.8	1.1	22085	17337	79%	19.2	1.1	
	68°F	17243	13363	78%	16.3	1.1	18402	14317	78%	16.8	1.1	20700	16229	78%	17.8	1.2	23495	18443	79%	19.2	1.2	
	77°F	16493	12782	78%	14.6	1.1	17602	13695	78%	15.1	1.2	19800	15523	78%	16.0	1.2	22473	17641	79%	17.3	1.3	
	86°F	15744	12201	78%	13.1	1.2	16802	13072	78%	13.5	1.2	18900	14818	78%	14.4	1.3	21452	16839	79%	15.5	1.4	
	95°F	14994	11620	78%	11.7	1.3	16002	12450	78%	12.1	1.3	18000	14112	78%	12.9	1.4	20430	16038	79%	13.9	1.5	
	104°F	14244	11039	78%	8.9	1.6	15202	11827	78%	9.2	1.7	17100	13406	78%	9.8	1.8	19409	15236	79%	10.5	1.8	
	113°F	13495	10458	78%	7.0	1.9	14402	11205	78%	7.3	2.0	16200	12701	78%	7.7	2.1	18387	14434	79%	8.3	2.2	
	118°F	13045	10110	78%	6.5	2.0	13922	10831	78%	6.7	2.1	15660	12277	78%	7.1	2.2	17774	13953	79%	7.7	2.3	
	100%	-22°F	8676	6724	78%	14.1	616	9260	7204	78%	14.5	637	10416	8166	78%	15.4	676	11822	9280	79%	16.6	711
		-4°F	9230	7153	78%	14.1	656	9851	7664	78%	14.5	678	11081	8687	78%	15.4	719	12577	9873	79%	16.6	756
5°F		9819	7610	78%	14.1	698	10479	8153	78%	14.5	721	11788	9242	78%	15.4	765	13379	10503	79%	16.6	805	
14°F		10446	8096	78%	14.1	742	11148	8673	78%	14.5	767	12540	9832	78%	15.4	814	14233	11173	79%	16.6	856	
23°F		11113	8612	78%	14.1	789	11860	9227	78%	14.5	816	13341	10459	78%	15.4	866	15142	11886	79%	16.6	911	
32°F		11822	9162	78%	14.1	840	12617	9816	78%	14.5	868	14192	11127	78%	15.4	921	16108	12645	79%	16.6	969	
41°F		12577	9747	78%	14.1	893	13422	10443	78%	14.5	924	15098	11837	78%	15.4	980	17136	13452	79%	16.6	1031	
50°F		13380	10369	78%	14.1	950	14279	11109	78%	14.5	983	16062	12593	78%	15.4	1042	18230	14311	79%	16.6	1096	
59°F		14234	11031	78%	14.1	1011	15190	11818	78%	14.5	1045	17087	13396	78%	15.4	1109	19394	15224	79%	16.6	1166	
68°F		15142	11735	78%	14.1	1076	16160	12573	78%	14.5	1112	18178	14251	78%	15.4	1179	20632	16196	79%	16.6	1241	
77°F		14815	11482	78%	13.0	1144	15811	12301	78%	13.4	1183	17785	13944	78%	14.2	1255	20186	15846	79%	15.3	1320	
86°F		14488	11228	78%	11.9	1217	15462	12029	78%	12.3	1259	17393	13636	78%	13.0	1335	19741	15496	79%	14.1	1404	
95°F		14161	10975	78%	10.9	1295	15113	11758	78%	11.3	1339	17000	13328	78%	12.0	1420	19295	15147	79%	12.9	1494	
104°F		13834	10721	78%	8.5	1628	14764	11486	78%	8.8	1683	16607	13020	78%	9.3	1785	18849	14797	79%	10.0	1878	
113°F		13507	10468	78%	6.9	1961	14415	11215	78%	7.1	2027	16215	12712	78%	7.5	2150	18404	14447	79%	8.1	2260	
118°F		13311	10316	78%	6.5	2052	14206	11052	78%	6.7	2122	15979	12528	78%	7.1	2250	18136	14237	79%	8.0	2260	

COOLING PERFORMANCE

Connected Capacity	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 (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
90%	-22°F	9386	7274	78%	16.1	0.6	10017	7793	78%	16.6	0.6	11268	8834	78%	17.6	0.6	12789	10039	79%	19.0	0.7
	-4°F	9985	7739	78%	16.1	0.6	10657	8291	78%	16.6	0.6	11987	9398	78%	17.6	0.7	13605	10680	79%	19.0	0.7
	5°F	10623	8233	78%	16.1	0.7	11337	8820	78%	16.6	0.7	12752	9998	78%	17.6	0.7	14474	11362	79%	19.0	0.8
	14°F	11301	8758	78%	16.1	0.7	12060	9383	78%	16.6	0.7	13566	10636	78%	17.6	0.8	15398	12087	79%	19.0	0.8
	23°F	12022	9317	78%	16.1	0.7	12830	9982	78%	16.6	0.8	14432	11315	78%	17.6	0.8	16381	12859	79%	19.0	0.9
	32°F	12789	9912	78%	16.1	0.8	13649	10619	78%	16.6	0.8	15353	12037	78%	17.6	0.9	17426	13680	79%	19.0	0.9
	41°F	13606	10544	78%	16.1	0.8	14520	11297	78%	16.6	0.9	16333	12805	78%	17.6	0.9	18538	14553	79%	19.0	1.0
	50°F	14474	11218	78%	16.1	0.9	15447	12018	78%	16.6	0.9	17376	13623	78%	17.6	1.0	19722	15482	79%	19.0	1.0
	59°F	15398	11934	78%	16.1	1.0	16433	12785	78%	16.6	1.0	18485	14492	78%	17.6	1.0	20981	16470	79%	19.0	1.1
	68°F	16381	12695	78%	16.1	1.0	17482	13601	78%	16.6	1.1	19665	15417	78%	17.6	1.1	22320	17521	79%	19.0	1.2
	77°F	15669	12143	78%	14.5	1.1	16722	13010	78%	14.9	1.1	18810	14747	78%	15.8	1.2	21349	16759	79%	17.1	1.2
	86°F	14957	11591	78%	13.0	1.2	15962	12418	78%	13.4	1.2	17955	14077	78%	14.2	1.3	20379	15997	79%	15.3	1.3
	95°F	14244	11039	78%	11.6	1.2	15202	11827	78%	12.0	1.3	17100	13406	78%	12.7	1.3	19409	15236	79%	13.7	1.4
	104°F	13532	10487	78%	8.8	1.5	14442	11236	78%	9.1	1.6	16245	12736	78%	9.7	1.7	18438	14474	79%	10.4	1.8
	113°F	12820	9935	78%	7.0	1.8	13682	10644	78%	7.2	1.9	15390	12066	78%	7.6	2.0	17468	13712	79%	8.2	2.1
	118°F	12393	9604	78%	6.4	1.9	13226	10290	78%	6.6	2.0	14877	11664	78%	7.0	2.1	16885	13255	79%	7.6	2.2
80%	-22°F	8398	6509	78%	16.1	0.5	8963	6973	78%	16.6	0.5	10082	7904	78%	17.6	0.6	11443	8983	79%	19.0	0.6
	-4°F	8934	6924	78%	16.1	0.6	9535	7418	78%	16.6	0.6	10725	8409	78%	17.6	0.6	12173	9556	79%	19.0	0.6
	5°F	9504	7366	78%	16.1	0.6	10143	7892	78%	16.6	0.6	11410	8945	78%	17.6	0.6	12950	10166	79%	19.0	0.7
	14°F	10111	7836	78%	16.1	0.6	10791	8395	78%	16.6	0.7	12138	9516	78%	17.6	0.7	13777	10815	79%	19.0	0.7
	23°F	10757	8336	78%	16.1	0.7	11480	8931	78%	16.6	0.7	12913	10124	78%	17.6	0.7	14656	11505	79%	19.0	0.8
	32°F	11443	8868	78%	16.1	0.7	12212	9501	78%	16.6	0.7	13737	10770	78%	17.6	0.8	15592	12240	79%	19.0	0.8
	41°F	12174	9435	78%	16.1	0.8	12992	10108	78%	16.6	0.8	14614	11457	78%	17.6	0.8	16587	13021	79%	19.0	0.9
	50°F	12951	10037	78%	16.1	0.8	13821	10753	78%	16.6	0.8	15547	12189	78%	17.6	0.9	17646	13852	79%	19.0	0.9
	59°F	13777	10677	78%	16.1	0.9	14703	11439	78%	16.6	0.9	16539	12967	78%	17.6	0.9	18772	14736	79%	19.0	1.0
	68°F	14657	11359	78%	16.1	0.9	15642	12169	78%	16.6	0.9	17595	13794	78%	17.6	1.0	19970	15677	79%	19.0	1.1
	77°F	14019	10865	78%	14.5	1.0	14962	11640	78%	14.9	1.0	16830	13195	78%	15.8	1.1	19102	14995	79%	17.1	1.1
	86°F	13382	10371	78%	13.0	1.0	14282	11111	78%	13.4	1.1	16065	12595	78%	14.2	1.1	18234	14314	79%	15.3	1.2
	95°F	12745	9877	78%	11.6	1.1	13602	10582	78%	12.0	1.1	15300	11995	78%	12.7	1.2	17366	13632	79%	13.7	1.3
	104°F	12108	9383	78%	8.8	1.4	12922	10053	78%	9.1	1.4	14535	11895	78%	9.7	1.5	16497	12950	79%	10.4	1.6
	113°F	11470	8890	78%	7.0	1.6	12242	9524	78%	7.2	1.7	13770	10796	78%	7.6	1.8	15629	12269	79%	8.2	1.9
	118°F	11088	8593	78%	6.4	1.7	11833	9206	78%	6.6	1.8	13311	10436	78%	7.0	1.9	15108	11860	79%	7.6	2.0

COOLING PERFORMANCE

Connected Capacity	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 (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
70%	-22°F	7410	5743	78%	16.1	0.5	7908	6153	78%	16.6	0.5	8896	6974	78%	17.6	0.5	10097	7926	79%	19.0	0.5
	-4°F	7883	6109	78%	16.1	0.5	8413	6545	78%	16.6	0.5	9464	7419	78%	17.6	0.5	10741	8432	79%	19.0	0.6
	5°F	8386	6499	78%	16.1	0.5	8950	6963	78%	16.6	0.5	10068	7893	78%	17.6	0.6	11427	8970	79%	19.0	0.6
	14°F	8922	6914	78%	16.1	0.6	9521	7408	78%	16.6	0.6	10710	8397	78%	17.6	0.6	12156	9543	79%	19.0	0.6
	23°F	9491	7356	78%	16.1	0.6	10129	7880	78%	16.6	0.6	11394	8933	78%	17.6	0.6	12932	10152	79%	19.0	0.7
	32°F	10097	7825	78%	16.1	0.6	10776	8383	78%	16.6	0.7	12121	9503	78%	17.6	0.7	13757	10800	79%	19.0	0.7
	41°F	10741	8325	78%	16.1	0.7	11463	8919	78%	16.6	0.7	12895	10110	78%	17.6	0.7	14636	11489	79%	19.0	0.8
	50°F	11427	8856	78%	16.1	0.7	12195	9488	78%	16.6	0.7	13718	10755	78%	17.6	0.8	15570	12222	79%	19.0	0.8
	59°F	12156	9421	78%	16.1	0.8	12974	10093	78%	16.6	0.8	14594	11441	78%	17.6	0.8	16564	13002	79%	19.0	0.9
	68°F	12932	10023	78%	16.1	0.8	13802	10738	78%	16.6	0.8	15525	12172	78%	17.6	0.9	17621	13832	79%	19.0	0.9
	77°F	12370	9587	78%	14.4	0.9	13202	10271	78%	14.9	0.9	14850	11642	78%	15.8	0.9	16855	13231	79%	17.0	1.0
	86°F	11808	9151	78%	13.0	0.9	12602	9804	78%	13.4	0.9	14175	11113	78%	14.2	1.0	16089	12630	79%	15.3	1.1
	95°F	11246	8715	78%	11.6	1.0	12002	9337	78%	12.0	1.0	13500	10584	78%	12.7	1.1	15323	12028	79%	13.7	1.1
	104°F	10683	8279	78%	8.8	1.2	11401	8870	78%	9.1	1.3	12825	10055	78%	9.6	1.3	14556	11427	79%	10.4	1.4
	113°F	10121	7844	78%	7.0	1.5	10801	8403	78%	7.2	1.5	12150	9526	78%	7.6	1.6	13790	10825	79%	8.2	1.7
	118°F	9784	7582	78%	6.4	1.5	10441	8123	78%	6.6	1.6	11745	9208	78%	7.0	1.7	13331	10465	79%	7.6	1.8
60%	-22°F	6422	4977	78%	16.0	0.4	6854	5332	78%	16.5	0.4	7710	6044	78%	17.5	0.4	8750	6869	79%	18.9	0.5
	-4°F	6832	5295	78%	16.0	0.4	7291	5673	78%	16.5	0.4	8202	6430	78%	17.5	0.5	9309	7308	79%	18.9	0.5
	5°F	7268	5633	78%	16.0	0.5	7757	6035	78%	16.5	0.5	8725	6841	78%	17.5	0.5	9903	7774	79%	18.9	0.5
	14°F	7732	5992	78%	16.0	0.5	8252	6420	78%	16.5	0.5	9282	7277	78%	17.5	0.5	10535	8270	79%	18.9	0.6
	23°F	8226	6375	78%	16.0	0.5	8779	6830	78%	16.5	0.5	9875	7742	78%	17.5	0.6	11208	8798	79%	18.9	0.6
	32°F	8751	6782	78%	16.0	0.5	9339	7266	78%	16.5	0.6	10505	8236	78%	17.5	0.6	11923	9360	79%	18.9	0.6
	41°F	9309	7215	78%	16.0	0.6	9935	7729	78%	16.5	0.6	11176	8762	78%	17.5	0.6	12684	9957	79%	18.9	0.7
	50°F	9903	7675	78%	16.0	0.6	10569	8223	78%	16.5	0.6	11889	9321	78%	17.5	0.7	13494	10593	79%	18.9	0.7
	59°F	10536	8165	78%	16.0	0.7	11244	8748	78%	16.5	0.7	12648	9916	78%	17.5	0.7	14355	11269	79%	18.9	0.8
	68°F	11208	8686	78%	16.0	0.7	11961	9306	78%	16.5	0.7	13455	10549	78%	17.5	0.8	15271	11988	79%	18.9	0.8
	77°F	10721	8309	78%	14.4	0.7	11441	8901	78%	14.9	0.8	12870	10090	78%	15.8	0.8	14607	11467	79%	17.0	0.9
	86°F	10233	7931	78%	12.9	0.8	10921	8497	78%	13.3	0.8	12285	9631	78%	14.1	0.9	13943	10946	79%	15.3	0.9
	95°F	9746	7553	78%	11.6	0.8	10401	8092	78%	11.9	0.9	11700	9173	78%	12.7	0.9	13280	10424	79%	13.7	1.0
	104°F	9259	7176	78%	8.8	1.1	9881	7688	78%	9.1	1.1	11115	8714	78%	9.6	1.2	12616	9903	79%	10.4	1.2
	113°F	8771	6798	78%	6.9	1.3	9361	7283	78%	7.2	1.3	10530	8256	78%	7.6	1.4	11952	9382	79%	8.2	1.5
	118°F	8479	6571	78%	6.4	1.3	9049	7040	78%	6.6	1.4	10179	7980	78%	7.0	1.5	11553	9069	79%	7.6	1.5

COOLING PERFORMANCE

Connected Capacity	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 (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
50%	-22°F	5434	4211	78%	16.0	0.3	5799	4512	78%	16.5	0.4	6524	5114	78%	17.5	0.4	7404	5812	79%	18.9	0.4
	-4°F	5781	4480	78%	16.0	0.4	6170	4800	78%	16.5	0.4	6940	5441	78%	17.5	0.4	7877	6183	79%	18.9	0.4
	5°F	6150	4766	78%	16.0	0.4	6563	5106	78%	16.5	0.4	7383	5788	78%	17.5	0.4	8380	6578	79%	18.9	0.4
	14°F	6543	5070	78%	16.0	0.4	6982	5432	78%	16.5	0.4	7854	6158	78%	17.5	0.4	8914	6998	79%	18.9	0.5
	23°F	6960	5394	78%	16.0	0.4	7428	5779	78%	16.5	0.5	8355	6551	78%	17.5	0.5	9483	7445	79%	18.9	0.5
	32°F	7404	5738	78%	16.0	0.5	7902	6148	78%	16.5	0.5	8889	6969	78%	17.5	0.5	10089	7920	79%	18.9	0.5
	41°F	7877	6105	78%	16.0	0.5	8407	6540	78%	16.5	0.5	9456	7414	78%	17.5	0.5	10733	8425	79%	18.9	0.6
	50°F	8380	6494	78%	16.0	0.5	8943	6958	78%	16.5	0.5	10060	7887	78%	17.5	0.6	11418	8963	79%	18.9	0.6
	59°F	8915	6909	78%	16.0	0.6	9514	7402	78%	16.5	0.6	10702	8390	78%	17.5	0.6	12147	9535	79%	18.9	0.6
	68°F	9484	7350	78%	16.0	0.6	10121	7874	78%	16.5	0.6	11385	8926	78%	17.5	0.7	12922	10144	79%	18.9	0.7
	77°F	9071	7030	78%	14.4	0.6	9681	7532	78%	14.8	0.7	10890	8538	78%	15.7	0.7	12360	9703	79%	17.0	0.7
	86°F	8659	6711	78%	12.9	0.7	9241	7190	78%	13.3	0.7	10395	8150	78%	14.1	0.7	11798	9262	79%	15.2	0.8
	95°F	8247	6391	78%	11.5	0.7	8801	6847	78%	11.9	0.7	9900	7762	78%	12.6	0.8	11237	8821	79%	13.6	0.8
	104°F	7834	6072	78%	8.8	0.9	8361	6505	78%	9.1	0.9	9405	7374	78%	9.6	1.0	10675	8380	79%	10.4	1.0
	113°F	7422	5752	78%	6.9	1.1	7921	6163	78%	7.1	1.1	8910	6985	78%	7.6	1.2	10113	7939	79%	8.2	1.2
	118°F	7175	5560	78%	6.4	1.1	7657	5957	78%	6.6	1.2	8613	6753	78%	7.0	1.2	9776	7674	79%	7.5	1.3



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
135%	-22°F	-22.5°F	10200	1.5	2.0	10067	1.5	2	9812	1.4	2.1
	-5°F	-6°F	12360	1.9	1.9	12199	1.9	2	11890	1.8	2.0
	0°F	-1°F	13080	2.1	1.9	12910	2.0	2	12583	1.9	1.9
	5°F	3°F	13800	2.2	1.8	13621	2.1	2	13276	2.0	1.9
	7°F	5°F	13929	2.3	1.8	13748	2.2	2	13399	2.1	1.9
	17°F	15°F	14700	2.6	1.6	14509	2.5	2	14141	2.4	1.7
	28°F	26°F	15938	3.1	1.5	15730	2.9	2	15332	2.8	1.6
	38°F	35°F	16969	3.5	1.4	16748	3.3	1	16324	3.2	1.5
	47°F	43°F	18000	3.9	1.4	17766	3.8	1	17316	3.6	1.4
	57°F	52°F	18540	4.2	1.3	18299	4.1	1	17835	3.9	1.3
	68°F	63°F	19260	4.4	1.3	19010	4.3	1	18528	4.1	1.3
77°F	71°F	19800	4.7	1.2	19543	4.5	1	19048	4.3	1.3	
120%	-22°F	-22.5°F	10200	1.5	2.0	10067	1.5	2	9812	1.4	2.1
	-5°F	-6°F	12360	1.9	1.9	12199	1.9	2	11890	1.8	2.0
	0°F	-1°F	13080	2.1	1.9	12910	2.0	2	12583	1.9	1.9
	5°F	3°F	13800	2.2	1.8	13621	2.1	2	13276	2.0	1.9
	7°F	5°F	13929	2.3	1.8	13748	2.2	2	13399	2.1	1.9
	17°F	15°F	14700	2.6	1.6	14509	2.5	2	14141	2.4	1.7
	28°F	26°F	15938	3.1	1.5	15730	2.9	2	15332	2.8	1.6
	38°F	35°F	16969	3.5	1.4	16748	3.3	1	16324	3.2	1.5
	47°F	43°F	18000	3.9	1.4	17766	3.8	1	17316	3.6	1.4
	57°F	52°F	18540	4.2	1.3	18299	4.1	1	17835	3.9	1.3
	68°F	63°F	19260	4.4	1.3	19010	4.3	1	18528	4.1	1.3
77°F	71°F	19800	4.7	1.2	19543	4.5	1	19048	4.3	1.3	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
110%	-22°F	-22.5°F	10200	1.5	2.0	10067	1.5	2.0	9812	1.4	2.1
	-5°F	-6°F	12360	1.9	1.9	12199	1.9	1.9	11890	1.8	2.0
	0°F	-1°F	13080	2.1	1.9	12910	2.0	1.9	12583	1.9	1.9
	5°F	3°F	13800	2.2	1.8	13621	2.1	1.9	13276	2.0	1.9
	7°F	5°F	13929	2.3	1.8	13748	2.2	1.8	13399	2.1	1.9
	17°F	15°F	14700	2.6	1.6	14509	2.5	1.7	14141	2.4	1.7
	28°F	26°F	15938	3.1	1.5	15730	2.9	1.6	15332	2.8	1.6
	38°F	35°F	16969	3.5	1.4	16748	3.3	1.5	16324	3.2	1.5
	47°F	43°F	18000	3.9	1.4	17766	3.8	1.4	17316	3.6	1.4
	57°F	52°F	18540	4.2	1.3	18299	4.1	1.3	17835	3.9	1.3
	68°F	63°F	19260	4.4	1.3	19010	4.3	1.3	18528	4.1	1.3
77°F	71°F	19800	4.7	1.2	19543	4.5	1.3	19048	4.3	1.3	
100%	-22°F	-22.5°F	10200	1.5	2.0	10067	1.5	2.0	9812	1.4	2.1
	-5°F	-6°F	12360	1.9	1.9	12199	1.9	1.9	11890	1.8	2.0
	0°F	-1°F	13080	2.1	1.9	12910	2.0	1.9	12583	1.9	1.9
	5°F	3°F	13800	2.2	1.8	13621	2.1	1.9	13276	2.0	1.9
	7°F	5°F	13929	2.3	1.8	13748	2.2	1.8	13399	2.1	1.9
	17°F	15°F	14700	2.6	1.6	14509	2.5	1.7	14141	2.4	1.7
	28°F	26°F	15938	3.1	1.5	15730	2.9	1.6	15332	2.8	1.6
	38°F	35°F	16969	3.5	1.4	16748	3.3	1.5	16324	3.2	1.5
	47°F	43°F	18000	3.9	1.4	17766	3.8	1.4	17316	3.6	1.4
	57°F	52°F	18540	4.2	1.3	18299	4.1	1.3	17835	3.9	1.3
	68°F	63°F	19260	4.4	1.3	19010	4.3	1.3	18528	4.1	1.3
77°F	71°F	19800	4.7	1.2	19543	4.5	1.3	19048	4.3	1.3	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
90%	-22°F	-22.5°F	9690	1.5	2	9564	1.4	2	9322	1.4	2
	-5°F	-6°F	11742	1.9	2	11589	1.8	2	11296	1.8	2
	0°F	-1°F	12426	2.1	2	12264	2.0	2	11954	1.9	2
	5°F	3°F	13110	2.2	2	12940	2.1	2	12612	2.0	2
	7°F	5°F	13232	2.3	2	13060	2.2	2	12729	2.1	2
	17°F	15°F	13965	2.6	2	13783	2.5	2	13434	2.4	2
	28°F	26°F	15141	3.0	1	14944	2.9	2	14565	2.8	2
	38°F	35°F	16120	3.4	1	15911	3.3	1	15508	3.1	1
	47°F	43°F	17100	3.9	1	16878	3.7	1	16450	3.6	1
	57°F	52°F	17613	4.2	1	17384	4.0	1	16944	3.8	1
	68°F	63°F	18297	4.4	1	18059	4.3	1	17602	4.1	1
77°F	71°F	18810	4.6	1	18565	4.5	1	18095	4.3	1	
80%	-22°F	-22.5°F	8670	1.5	2	8557	1.4	2	8341	1.4	2
	-5°F	-6°F	10506	1.9	2	10369	1.8	2	10107	1.8	2
	0°F	-1°F	11118	2.1	2	10973	2.0	2	10696	1.9	2
	5°F	3°F	11730	2.2	2	11578	2.1	2	11284	2.0	2
	7°F	5°F	11839	2.3	2	11685	2.2	2	11389	2.1	2
	17°F	15°F	12495	2.6	1	12333	2.5	1	12020	2.4	1
	28°F	26°F	13547	3.0	1	13371	2.9	1	13032	2.8	1
	38°F	35°F	14423	3.4	1	14236	3.3	1	13875	3.1	1
	47°F	43°F	15300	3.9	1	15101	3.7	1	14719	3.6	1
	57°F	52°F	15759	4.2	1	15554	4.0	1	15160	3.8	1
	68°F	63°F	16371	4.4	1	16158	4.3	1	15749	4.1	1
77°F	71°F	16830	4.6	1	16611	4.5	1	16190	4.3	1	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
70%	-22°F	-22.5°F	7650	1.5	1.5	7551	1.4	2	7359	1.4	1.6
	-5°F	-6°F	9270	1.9	1.4	9149	1.8	1	8918	1.8	1.5
	0°F	-1°F	9810	2.0	1.4	9682	2.0	1	9437	1.9	1.5
	5°F	3°F	10350	2.2	1.4	10215	2.1	1	9957	2.0	1.4
	7°F	5°F	10446	2.3	1.4	10311	2.2	1	10049	2.1	1.4
	17°F	15°F	11025	2.6	1.2	10882	2.5	1	10606	2.4	1.3
	28°F	26°F	11953	3.0	1.2	11798	2.9	1	11499	2.8	1.2
	38°F	35°F	12727	3.4	1.1	12561	3.3	1	12243	3.1	1.1
	47°F	43°F	13500	3.9	1.0	13325	3.7	1	12987	3.6	1.1
	57°F	52°F	13905	4.2	1.0	13724	4.0	1	13377	3.8	1.0
	68°F	63°F	14445	4.4	1.0	14257	4.2	1	13896	4.0	1.0
77°F	71°F	14850	4.6	0.9	14657	4.5	1	14286	4.3	1.0	
60%	-22°F	-22.5°F	6630	1.5	1.3	6544	1.4	1	6378	1.4	1.4
	-5°F	-6°F	8034	1.9	1.2	7930	1.8	1	7729	1.7	1.3
	0°F	-1°F	8502	2.0	1.2	8391	2.0	1	8179	1.9	1.3
	5°F	3°F	8970	2.2	1.2	8853	2.1	1	8629	2.0	1.3
	7°F	5°F	9054	2.2	1.2	8936	2.2	1	8710	2.1	1.2
	17°F	15°F	9555	2.6	1.1	9431	2.5	1	9192	2.4	1.1
	28°F	26°F	10359	3.0	1.0	10225	2.9	1	9966	2.8	1.1
	38°F	35°F	11030	3.4	1.0	10886	3.3	1	10611	3.1	1.0
	47°F	43°F	11700	3.9	0.9	11548	3.7	1	11255	3.5	0.9
	57°F	52°F	12051	4.2	0.9	11894	4.0	1	11593	3.8	0.9
	68°F	63°F	12519	4.4	0.8	12356	4.2	1	12043	4.0	0.9
77°F	71°F	12870	4.6	0.8	12703	4.5	1	12381	4.2	0.9	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
	DB	WB	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
50%	-22°F	-22.5°F	5610	1.5	1.1	5537	1.4	1.1	5397	1.4	1.2
	-5°F	-6°F	6798	1.9	1.1	6710	1.8	1.1	6540	1.7	1.1
	0°F	-1°F	7194	2.0	1.0	7100	2.0	1.1	6921	1.9	1.1
	5°F	3°F	7590	2.2	1.0	7491	2.1	1.0	7302	2.0	1.1
	7°F	5°F	7661	2.2	1.0	7561	2.2	1.0	7370	2.1	1.1
	17°F	15°F	8085	2.6	0.9	7980	2.5	0.9	7778	2.4	1.0
	28°F	26°F	8766	3.0	0.9	8652	2.9	0.9	8433	2.8	0.9
	38°F	35°F	9333	3.4	0.8	9211	3.3	0.8	8978	3.1	0.8
	47°F	43°F	9900	3.8	0.8	9771	3.7	0.8	9524	3.5	0.8
	57°F	52°F	10197	4.1	0.7	10064	4.0	0.7	9810	3.8	0.8
	68°F	63°F	10593	4.4	0.7	10455	4.2	0.7	10190	4.0	0.7
77°F	71°F	10890	4.6	0.7	10748	4.4	0.7	10476	4.2	0.7	