

TQSDT



EXTENDED RATINGS

Cooling Performance

TM18D6MO
TM24D6MO
TM30D6MO
TM36D6MO
TM42D6MO

Heating Performance

TM18D6MO
TM24D6MO
TM30D6MO
TM36D6MO
TM42D6MO

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	11395	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
120%	77°F	71°F	19800	4.7	1.2	19543	4.5	1	19048	4.3	1.3
	-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)		
			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									
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



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	12100	9377	78%	15.1	0.8	12913	10046	78%	15.6	0.8	14525	11388	78%	16.5	0.9	16486	12942	79%	17.8	0.9
	-4°F	12872	9976	78%	15.1	0.9	13737	10688	78%	15.6	0.9	15453	12115	78%	16.5	0.9	17539	13768	78%	17.8	1.0
	5°F	13694	10613	78%	15.1	0.9	14614	11370	78%	15.6	0.9	16439	12888	78%	16.5	1.0	18658	14647	78%	17.8	1.0
	14°F	14568	11290	78%	15.1	1.0	15547	12096	78%	15.6	1.0	17488	13711	78%	16.5	1.1	19849	15582	78%	17.8	1.1
	23°F	15498	12011	77%	15.1	1.0	16539	12868	78%	15.6	1.1	18604	14586	78%	16.5	1.1	21116	16576	79%	17.8	1.2
	32°F	16487	12777	78%	15.1	1.1	17595	13689	78%	15.6	1.1	19792	15517	78%	16.5	1.2	22464	17634	79%	17.8	1.3
	41°F	17539	13593	78%	15.1	1.2	18718	14563	78%	15.6	1.2	21055	16507	78%	16.5	1.3	23898	18760	79%	17.8	1.3
	50°F	18659	14460	78%	15.1	1.2	19913	15492	78%	15.6	1.3	22399	17561	78%	16.5	1.4	25423	19957	79%	17.8	1.4
	59°F	19850	15383	78%	15.1	1.3	21184	16481	78%	15.6	1.4	23829	18682	78%	16.5	1.4	27046	21231	79%	17.8	1.5
	68°F	21117	16365	78%	15.1	1.4	22536	17533	78%	15.6	1.4	25350	19874	78%	16.5	1.5	28772	22586	79%	17.8	1.6
	77°F	20742	16075	78%	13.9	1.5	22136	17222	78%	14.4	1.5	24900	19522	78%	15.2	1.6	28262	22185	79%	16.4	1.7
	86°F	20367	15784	78%	12.8	1.6	21736	16911	78%	13.3	1.6	24450	19169	78%	14.1	1.7	27751	21784	79%	15.2	1.8
	95°F	19992	15494	78%	11.8	1.7	21336	16599	78%	12.2	1.7	24000	18816	78%	13.0	1.9	27240	21383	79%	14.0	1.9
	104°F	19617	15203	78%	9.4	2.1	20936	16288	78%	9.7	2.2	23550	18463	78%	10.3	2.3	26729	20982	79%	11.1	2.4
	113°F	19242	14913	78%	7.8	2.5	20536	15977	78%	8.0	2.6	23100	18110	78%	8.5	2.7	26219	20582	79%	9.2	2.9
	118°F	19017	14738	78%	7.0	2.7	20296	15790	78%	7.2	2.8	22830	17899	78%	7.6	3.0	25912	20341	79%	8.2	3.2
120%	-22°F	12100	9377	78%	15.1	0.8	12913	10046	78%	15.6	0.8	14525	11388	78%	16.5	0.9	16486	12942	79%	17.8	0.9
	-4°F	12872	9976	78%	15.1	0.9	13737	10688	78%	15.6	0.9	15453	12115	78%	16.5	0.9	17539	13768	78%	17.8	1.0
	5°F	13694	10613	78%	15.1	0.9	14614	11370	78%	15.6	0.9	16439	12888	78%	16.5	1.0	18658	14647	78%	17.8	1.0
	14°F	14568	11290	78%	15.1	1.0	15547	12096	78%	15.6	1.0	17488	13711	78%	16.5	1.1	19849	15582	78%	17.8	1.1
	23°F	15498	12011	77%	15.1	1.0	16539	12868	78%	15.6	1.1	18604	14586	78%	16.5	1.1	21116	16576	79%	17.8	1.2
	32°F	16487	12777	78%	15.1	1.1	17595	13689	78%	15.6	1.1	19792	15517	78%	16.5	1.2	22464	17634	79%	17.8	1.3
	41°F	17539	13593	78%	15.1	1.2	18718	14563	78%	15.6	1.2	21055	16507	78%	16.5	1.3	23898	18760	79%	17.8	1.3
	50°F	18659	14460	78%	15.1	1.2	19913	15492	78%	15.6	1.3	22399	17561	78%	16.5	1.4	25423	19957	79%	17.8	1.4
	59°F	19850	15383	78%	15.1	1.3	21184	16481	78%	15.6	1.4	23829	18682	78%	16.5	1.4	27046	21231	79%	17.8	1.5
	68°F	21117	16365	78%	15.1	1.4	22536	17533	78%	15.6	1.4	25350	19874	78%	16.5	1.5	28772	22586	79%	17.8	1.6
	77°F	20742	16075	78%	13.9	1.5	22136	17222	78%	14.4	1.5	24900	19522	78%	15.2	1.6	28262	22185	79%	16.4	1.7
	86°F	20367	15784	78%	12.8	1.6	21736	16911	78%	13.3	1.6	24450	19169	78%	14.1	1.7	27751	21784	79%	15.2	1.8
	95°F	19992	15494	78%	11.8	1.7	21336	16599	78%	12.2	1.7	24000	18816	78%	13.0	1.9	27240	21383	79%	14.0	1.9
	104°F	19617	15203	78%	9.4	2.1	20936	16288	78%	9.7	2.2	23550	18463	78%	10.3	2.3	26729	20982	79%	11.1	2.4
	113°F	19242	14913	78%	7.8	2.5	20536	15977	78%	8.0	2.6	23100	18110	78%	8.5	2.7	26219	20582	79%	9.2	2.9
	118°F	19017	14738	78%	7.0	2.7	20296	15790	78%	7.2	2.8	22830	17899	78%	7.6	3.0	25912	20341	79%	8.2	3.2



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	12100	9377	78%	15.1	0.8	12913	10046	78%	15.6	0.8	14525	11388	78%	16.5	0.9	16486	12942	79%	17.8	0.9
	-4°F	12872	9976	78%	15.1	0.9	13737	10688	78%	15.6	0.9	15453	12115	78%	16.5	0.9	17539	13768	78%	17.8	1.0
	5°F	13694	10613	78%	15.1	0.9	14614	11370	78%	15.6	0.9	16439	12888	78%	16.5	1.0	18658	14647	78%	17.8	1.0
	14°F	14568	11290	78%	15.1	1.0	15547	12096	78%	15.6	1.0	17488	13711	78%	16.5	1.1	19849	15582	78%	17.8	1.1
	23°F	15498	12011	77%	15.1	1.0	16539	12868	78%	15.6	1.1	18604	14586	78%	16.5	1.1	21116	16576	79%	17.8	1.2
	32°F	16487	12777	78%	15.1	1.1	17595	13689	78%	15.6	1.1	19792	15517	78%	16.5	1.2	22464	17634	79%	17.8	1.3
	41°F	17539	13593	78%	15.1	1.2	18718	14563	78%	15.6	1.2	21055	16507	78%	16.5	1.3	23898	18760	79%	17.8	1.3
	50°F	18659	14460	78%	15.1	1.2	19913	15492	78%	15.6	1.3	22399	17561	78%	16.5	1.4	25423	19957	79%	17.8	1.4
	59°F	19850	15383	78%	15.1	1.3	21184	16481	78%	15.6	1.4	23829	18682	78%	16.5	1.4	27046	21231	79%	17.8	1.5
	68°F	21117	16365	78%	15.1	1.4	22536	17533	78%	15.6	1.4	25350	19874	78%	16.5	1.5	28772	22586	79%	17.8	1.6
	77°F	20742	16075	78%	13.9	1.5	22136	17222	78%	14.4	1.5	24900	19522	78%	15.2	1.6	28262	22185	79%	16.4	1.7
	86°F	20367	15784	78%	12.8	1.6	21736	16911	78%	13.3	1.6	24450	19169	78%	14.1	1.7	27751	21784	79%	15.2	1.8
	95°F	19992	15494	78%	11.8	1.7	21336	16599	78%	12.2	1.7	24000	18816	78%	13.0	1.9	27240	21383	79%	14.0	1.9
	104°F	19617	15203	78%	9.4	2.1	20936	16288	78%	9.7	2.2	23550	18463	78%	10.3	2.3	26729	20982	79%	11.1	2.4
	113°F	19242	14913	78%	7.8	2.5	20536	15977	78%	8.0	2.6	23100	18110	78%	8.5	2.7	26219	20582	79%	9.2	2.9
	118°F	19017	14738	78%	7.0	2.7	20296	15790	78%	7.2	2.8	22830	17899	78%	7.6	3.0	25912	20341	79%	8.2	3.2
100%	-22°F	12100	9377	78%	15.1	1	12913	10046	78%	15.6	1	14525	11388	78%	16.5	1	16486	12942	79%	17.8	1
	-4°F	12872	9976	78%	15.1	1	13737	10688	78%	15.6	1	15453	12115	78%	16.5	1	17539	13768	78%	17.8	1
	5°F	13694	10613	78%	15.1	1	14614	11370	78%	15.6	1	16439	12888	78%	16.5	1	18658	14647	78%	17.8	1
	14°F	14568	11290	78%	15.1	1	15547	12096	78%	15.6	1	17488	13711	78%	16.5	1	19849	15582	78%	17.8	1
	23°F	15498	12011	77%	15.1	1	16539	12868	78%	15.6	1	18604	14586	78%	16.5	1	21116	16576	79%	17.8	1
	32°F	16487	12777	78%	15.1	1	17595	13689	78%	15.6	1	19792	15517	78%	16.5	1	22464	17634	79%	17.8	1
	41°F	17539	13593	78%	15.1	1	18718	14563	78%	15.6	1	21055	16507	78%	16.5	1	23898	18760	79%	17.8	1
	50°F	18659	14460	78%	15.1	1	19913	15492	78%	15.6	1	22399	17561	78%	16.5	1	25423	19957	79%	17.8	1
	59°F	19850	15383	78%	15.1	1	21184	16481	78%	15.6	1	23829	18682	78%	16.5	1	27046	21231	79%	17.8	2
	68°F	21117	16365	78%	15.1	1	22536	17533	78%	15.6	1	25350	19874	78%	16.5	2	28772	22586	79%	17.8	2
	77°F	20742	16075	78%	13.9	1	22136	17222	78%	14.4	2	24900	19522	78%	15.2	2	28262	22185	79%	16.4	2
	86°F	20367	15784	78%	12.8	2	21736	16911	78%	13.3	2	24450	19169	78%	14.1	2	27751	21784	79%	15.2	2
	95°F	19992	15494	78%	11.8	2	21336	16599	78%	12.2	2	24000	18816	78%	13.0	2	27240	21383	79%	14.0	2
	104°F	19617	15203	78%	9.4	2	20936	16288	78%	9.7	2	23550	18463	78%	10.3	2	26729	20982	79%	11.1	2
	113°F	19242	14913	78%	7.8	2	20536	15977	78%	8.0	3	23100	18110	78%	8.5	3	26219	20582	79%	9.2	3
	118°F	19017	14738	78%	7.0	3	20296	15790	78%	7.2	3	22830	17899	78%	7.6	3	25912	20341	79%	8.2	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)
90%	-22°F	11374	8815	78%	14.9	0.8	12138	9444	78%	15.4	0.8	13654	10705	78%	16.3	0.8	15497	12165	79%	17.6	0.9
	-4°F	12100	9377	78%	14.9	0.8	12913	10046	78%	15.4	0.8	14525	11388	78%	16.3	0.9	16486	12942	79%	17.6	0.9
	5°F	12872	9976	78%	14.9	0.9	13737	10688	78%	15.4	0.9	15453	12115	78%	16.3	0.9	17539	13768	79%	17.6	1.0
	14°F	13694	10613	78%	14.9	0.9	14614	11370	78%	15.4	1.0	16439	12888	78%	16.3	1.0	18658	14647	79%	17.6	1.1
	23°F	14568	11290	78%	14.9	1.0	15547	12096	78%	15.4	1.0	17488	13711	78%	16.3	1.1	19849	15582	79%	17.6	1.1
	32°F	15498	12011	78%	14.9	1.0	16539	12868	78%	15.4	1.1	18604	14586	78%	16.3	1.1	21116	16576	79%	17.6	1.2
	41°F	16487	12777	78%	14.9	1.1	17595	13689	78%	15.4	1.1	19792	15517	78%	16.3	1.2	22464	17634	79%	17.6	1.3
	50°F	17539	13593	78%	14.9	1.2	18718	14563	78%	15.4	1.2	21055	16507	78%	16.3	1.3	23898	18760	79%	17.6	1.4
	59°F	18659	14460	78%	14.9	1.3	19913	15492	78%	15.4	1.3	22399	17561	78%	16.3	1.4	25423	19957	79%	17.6	1.4
	68°F	19850	15383	78%	14.9	1.3	21184	16481	78%	15.4	1.4	23829	18682	78%	16.3	1.5	27046	21231	79%	17.6	1.5
	77°F	19497	15110	78%	13.8	1.4	20808	16189	78%	14.2	1.5	23406	18350	78%	15.1	1.6	26566	20854	79%	16.3	1.6
	86°F	19145	14837	78%	12.7	1.5	20432	15896	78%	13.1	1.6	22983	18019	78%	13.9	1.7	26086	20477	79%	15.0	1.7
	95°F	18792	14564	78%	11.7	1.6	20056	15603	78%	12.1	1.7	22560	17687	78%	12.8	1.8	25606	20100	79%	13.9	1.8
	104°F	18440	14291	78%	9.3	2.0	19680	15311	78%	9.6	2.0	22137	17355	78%	10.2	2.2	25125	19724	79%	11.0	2.3
	113°F	18088	14018	78%	7.7	2.3	19304	15018	78%	8.0	2.4	21714	17024	78%	8.4	2.6	24645	19347	79%	9.1	2.7
	118°F	17876	13854	78%	6.9	2.6	19078	14843	78%	7.1	2.7	21460	16825	78%	7.5	2.9	24357	19121	79%	8.1	3.0
80%	-22°F	9922	7689	78%	14.5	0.7	10589	8238	78%	15.0	0.7	11911	9338	78%	15.9	0.7	13519	10612	79%	17.2	0.8
	-4°F	10555	8180	78%	14.5	0.7	11265	8764	78%	15.0	0.8	12671	9934	78%	15.9	0.8	14382	11290	79%	17.2	0.8
	5°F	11229	8702	78%	14.5	0.8	11984	9323	78%	15.0	0.8	13480	10568	78%	15.9	0.8	15300	12010	79%	17.2	0.9
	14°F	11945	9258	78%	14.5	0.8	12749	9918	78%	15.0	0.9	14340	11243	78%	15.9	0.9	16276	12777	79%	17.2	0.9
	23°F	12708	9849	78%	14.5	0.9	13562	10551	78%	15.0	0.9	15256	11960	78%	15.9	1.0	17315	13592	79%	17.2	1.0
	32°F	13519	10477	78%	14.5	0.9	14428	11225	78%	15.0	1.0	16229	12724	78%	15.9	1.0	18420	14460	79%	17.2	1.1
	41°F	14382	11146	78%	14.5	1.0	15349	11941	78%	15.0	1.0	17265	13536	78%	15.9	1.1	19596	15383	79%	17.2	1.1
	50°F	15300	11858	78%	14.5	1.1	16329	12704	78%	15.0	1.1	18367	14400	78%	15.9	1.2	20847	16365	79%	17.2	1.2
	59°F	16277	12614	78%	14.5	1.1	17371	13515	78%	15.0	1.2	19540	15319	78%	15.9	1.2	22178	17409	79%	17.2	1.3
	68°F	17316	13420	78%	14.5	1.2	18480	14377	78%	15.0	1.2	20787	16297	78%	15.9	1.3	23593	18521	79%	17.2	1.4
	77°F	17008	13181	78%	13.4	1.3	18152	14122	78%	13.9	1.3	20418	16008	78%	14.7	1.4	23174	18192	79%	15.9	1.5
	86°F	16701	12943	78%	12.4	1.3	17824	13867	78%	12.8	1.4	20049	15718	78%	13.6	1.5	22756	17863	79%	14.6	1.6
	95°F	16393	12705	78%	11.4	1.4	17496	13612	78%	11.8	1.5	19680	15429	78%	12.5	1.6	22337	17534	79%	13.5	1.7
	104°F	16086	12467	78%	9.1	1.8	17167	13356	78%	9.4	1.8	19311	15140	78%	10.0	1.9	21918	17206	79%	10.8	2.0
	113°F	15779	12228	78%	7.5	2.1	16839	13101	78%	7.8	2.2	18942	14851	78%	8.2	2.3	21499	16877	79%	8.9	2.4
	118°F	15594	12086	78%	6.7	2.3	16643	12948	78%	6.9	2.4	18721	14677	78%	7.3	2.6	21248	16680	79%	7.9	2.7



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	8712	6752	78%	14.5	0.6	9297	7233	78%	14.9	0.6	10458	8199	78%	15.8	0.7	11870	9318	79%	17.1	0.7
	-4°F	9268	7183	78%	14.5	0.6	9891	7695	78%	14.9	0.7	11126	8723	78%	15.8	0.7	12628	9913	79%	17.1	0.7
	5°F	9859	7641	78%	14.5	0.7	10522	8186	78%	14.9	0.7	11836	9279	78%	15.8	0.7	13434	10546	79%	17.1	0.8
	14°F	10489	8129	78%	14.5	0.7	11194	8709	78%	14.9	0.8	12592	9872	78%	15.8	0.8	14291	11219	79%	17.1	0.8
	23°F	11158	8648	78%	14.5	0.8	11908	9265	78%	14.9	0.8	13395	10502	78%	15.8	0.8	15204	11935	79%	17.1	0.9
	32°F	11870	9200	78%	14.5	0.8	12668	9856	78%	14.9	0.8	14250	11172	78%	15.8	0.9	16174	12697	79%	17.1	0.9
	41°F	12628	9787	78%	14.5	0.9	13477	10485	78%	14.9	0.9	15160	11885	78%	15.8	1.0	17206	13507	79%	17.1	1.0
	50°F	13434	10411	78%	14.5	0.9	14337	11154	78%	14.9	1.0	16127	12644	78%	15.8	1.0	18305	14369	79%	17.1	1.1
	59°F	14292	11076	78%	14.5	1.0	15252	11866	78%	14.9	1.0	17157	13451	78%	15.8	1.1	19473	15286	79%	17.1	1.1
	68°F	15204	11783	78%	14.5	1.1	16226	12624	78%	14.9	1.1	18252	14310	78%	15.8	1.2	20716	16262	79%	17.1	1.2
	77°F	14934	11574	78%	13.4	1.1	15938	12400	78%	13.8	1.2	17928	14056	78%	14.6	1.2	20348	15973	79%	15.8	1.3
	86°F	14664	11365	78%	12.3	1.2	15650	12176	78%	12.7	1.2	17604	13802	78%	13.5	1.3	19981	15685	79%	14.6	1.4
	95°F	14394	11156	78%	11.4	1.3	15362	11952	78%	11.7	1.3	17280	13548	78%	12.5	1.4	19613	15396	79%	13.4	1.5
	104°F	14124	10946	78%	9.1	1.6	15074	11727	78%	9.4	1.6	16956	13294	78%	9.9	1.7	19245	15107	79%	10.7	1.8
	113°F	13854	10737	78%	7.5	1.9	14786	11503	78%	7.7	1.9	16632	13039	78%	8.2	2.0	18877	14819	79%	8.8	2.1
	118°F	13693	10612	78%	6.7	2.1	14613	11369	78%	6.9	2.1	16438	12887	78%	7.3	2.3	18657	14645	79%	7.9	2.4
60%	-22°F	7502	5814	78%	14.4	0.5	8006	6229	78%	14.8	0.5	9006	7061	78%	15.7	0.6	10222	8024	79%	17.0	0.6
	-4°F	7981	6185	78%	14.4	0.6	8517	6626	78%	14.8	0.6	9581	7511	78%	15.7	0.6	10874	8536	79%	17.0	0.6
	5°F	8490	6580	78%	14.4	0.6	9061	7049	78%	14.8	0.6	10192	7991	78%	15.7	0.6	11568	9081	79%	17.0	0.7
	14°F	9032	7000	78%	14.4	0.6	9639	7499	78%	14.8	0.7	10843	8501	78%	15.7	0.7	12306	9661	79%	17.0	0.7
	23°F	9608	7447	78%	14.4	0.7	10254	7978	78%	14.8	0.7	11535	9043	78%	15.7	0.7	13092	10277	79%	17.0	0.8
	32°F	10222	7922	78%	14.4	0.7	10909	8487	78%	14.8	0.7	12271	9620	78%	15.7	0.8	13928	10933	79%	17.0	0.8
	41°F	10874	8428	78%	14.4	0.8	11605	9029	78%	14.8	0.8	13054	10235	78%	15.7	0.8	14817	11631	79%	17.0	0.9
	50°F	11568	8965	78%	14.4	0.8	12346	9605	78%	14.8	0.8	13888	10888	78%	15.7	0.9	15762	12373	79%	17.0	0.9
	59°F	12307	9538	78%	14.4	0.9	13134	10218	78%	14.8	0.9	14774	11583	78%	15.7	0.9	16768	13163	79%	17.0	1.0
	68°F	13092	10147	78%	14.4	0.9	13972	10871	78%	14.8	0.9	15717	12322	78%	15.7	1.0	17839	14003	79%	17.0	1.1
	77°F	12860	9966	78%	13.3	1.0	13724	10678	78%	13.7	1.0	15438	12103	78%	14.5	1.1	17522	13755	79%	15.7	1.1
	86°F	12627	9786	78%	12.3	1.0	13476	10485	78%	12.6	1.1	15159	11885	78%	13.4	1.1	17205	13506	79%	14.5	1.2
	95°F	12395	9606	78%	11.3	1.1	13228	10292	78%	11.7	1.1	14880	11666	78%	12.4	1.2	16889	13258	79%	13.4	1.3
	104°F	12163	9426	78%	9.0	1.4	12980	10099	78%	9.3	1.4	14601	11447	78%	9.9	1.5	16572	13009	79%	10.6	1.6
	113°F	11930	9246	78%	7.4	1.6	12732	9906	78%	7.7	1.7	14322	11228	78%	8.1	1.8	16255	12761	79%	8.8	1.9
	118°F	11791	9138	78%	6.6	1.8	12583	9790	78%	6.8	1.8	14155	11097	78%	7.3	2.0	16065	12611	79%	7.8	2.1



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	6292	4876	78%	14.3	0.4	6715	5224	78%	14.7	0.5	7553	5922	78%	15.6	0.5	8573	6730	79%	16.8	0.5
	-4°F	6693	5187	78%	14.3	0.5	7143	5558	78%	14.7	0.5	8035	6300	78%	15.6	0.5	9120	7159	79%	16.8	0.5
	5°F	7121	5519	78%	14.3	0.5	7599	5912	78%	14.7	0.5	8548	6702	78%	15.6	0.5	9702	7616	79%	16.8	0.6
	14°F	7575	5871	78%	14.3	0.5	8084	6290	78%	14.7	0.6	9094	7130	78%	15.6	0.6	10322	8102	79%	16.8	0.6
	23°F	8059	6246	78%	14.3	0.6	8600	6691	78%	14.7	0.6	9674	7585	78%	15.6	0.6	10980	8620	79%	16.8	0.7
	32°F	8573	6644	78%	14.3	0.6	9149	7118	78%	14.7	0.6	10292	8069	78%	15.6	0.7	11681	9170	79%	16.8	0.7
	41°F	9120	7068	78%	14.3	0.6	9733	7573	78%	14.7	0.7	10949	8584	78%	15.6	0.7	12427	9755	79%	16.8	0.7
	50°F	9702	7519	78%	14.3	0.7	10355	8056	78%	14.7	0.7	11648	9132	78%	15.6	0.7	13220	10378	79%	16.8	0.8
	59°F	10322	7999	78%	14.3	0.7	11016	8570	78%	14.7	0.7	12391	9715	78%	15.6	0.8	14064	11040	79%	16.8	0.8
	68°F	10981	8510	78%	14.3	0.8	11719	9117	78%	14.7	0.8	13182	10335	78%	15.6	0.8	14962	11745	79%	16.8	0.9
	77°F	10786	8359	78%	13.2	0.8	11511	8955	78%	13.6	0.8	12948	10151	78%	14.4	0.9	14696	11536	79%	15.5	0.9
	86°F	10591	8208	78%	12.1	0.9	11303	8794	78%	12.5	0.9	12714	9968	78%	13.3	1.0	14430	11328	79%	14.3	1.0
	95°F	10396	8057	78%	11.2	0.9	11095	8632	78%	11.6	1.0	12480	9784	78%	12.3	1.0	14165	11119	79%	13.2	1.1
	104°F	10201	7906	78%	8.9	1.1	10887	8470	78%	9.2	1.2	12246	9601	78%	9.8	1.3	13899	10911	79%	10.5	1.3
	113°F	10006	7755	78%	7.4	1.4	10679	8308	78%	7.6	1.4	12012	9417	78%	8.1	1.5	13634	10702	79%	8.7	1.6
	118°F	9889	7664	78%	6.6	1.5	10554	8211	78%	6.8	1.6	11872	9307	78%	7.2	1.7	13474	10577	79%	7.8	1.7



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	17400	1.9	2.8	17174	1.8	3	16739	1.7	2.9
	-5°F	-6°F	19920	2.0	2.9	19661	1.9	3	19163	1.8	3.0
	0°F	-1°F	20760	2.1	3.0	20490	2.0	3	19971	1.9	3.1
	5°F	3°F	21600	2.1	3.0	21319	2.0	3	20779	1.9	3.1
	7°F	5°F	21886	2.1	3.0	21601	2.1	3	21054	2.0	3.1
	17°F	15°F	23600	2.4	2.9	23293	2.3	3	22703	2.2	3.1
	28°F	26°F	23750	2.8	2.5	23441	2.7	3	22848	2.6	2.6
	38°F	35°F	23875	3.2	2.2	23565	3.1	2	22968	3.0	2.3
	47°F	43°F	24000	3.9	1.8	23688	3.8	2	23088	3.6	1.9
	57°F	52°F	24720	4.2	1.7	24399	4.1	2	23781	3.9	1.8
	68°F	63°F	25680	4.4	1.7	25346	4.3	2	24704	4.1	1.8
	77°F	71°F	26400	4.7	1.7	26057	4.5	2	25397	4.3	1.7
120%	-22°F	-22.5°F	17400	1.9	2.8	17174	1.8	3	16739	1.7	2.9
	-5°F	-6°F	19920	2.0	2.9	19661	1.9	3	19163	1.8	3.0
	0°F	-1°F	20760	2.1	3.0	20490	2.0	3	19971	1.9	3.1
	5°F	3°F	21600	2.1	3.0	21319	2.0	3	20779	1.9	3.1
	7°F	5°F	21886	2.1	3.0	21601	2.1	3	21054	2.0	3.1
	17°F	15°F	23600	2.4	2.9	23293	2.3	3	22703	2.2	3.1
	28°F	26°F	23750	2.8	2.5	23441	2.7	3	22848	2.6	2.6
	38°F	35°F	23875	3.2	2.2	23565	3.1	2	22968	3.0	2.3
	47°F	43°F	24000	3.9	1.8	23688	3.8	2	23088	3.6	1.9
	57°F	52°F	24720	4.2	1.7	24399	4.1	2	23781	3.9	1.8
	68°F	63°F	25680	4.4	1.7	25346	4.3	2	24704	4.1	1.8
	77°F	71°F	26400	4.7	1.7	26057	4.5	2	25397	4.3	1.7



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	17400	1.9	2.8	17174	1.8	2.8	16739	1.7	2.9
	-5°F	-6°F	19920	2.0	2.9	19661	1.9	3.0	19163	1.8	3.0
	0°F	-1°F	20760	2.1	3.0	20490	2.0	3.0	19971	1.9	3.1
	5°F	3°F	21600	2.1	3.0	21319	2.0	3.1	20779	1.9	3.1
	7°F	5°F	21886	2.1	3.0	21601	2.1	3.1	21054	2.0	3.1
	17°F	15°F	23600	2.4	2.9	23293	2.3	3.0	22703	2.2	3.1
	28°F	26°F	23750	2.8	2.5	23441	2.7	2.6	22848	2.6	2.6
	38°F	35°F	23875	3.2	2.2	23565	3.1	2.2	22968	3.0	2.3
	47°F	43°F	24000	3.9	1.8	23688	3.8	1.8	23088	3.6	1.9
	57°F	52°F	24720	4.2	1.7	24399	4.1	1.8	23781	3.9	1.8
	68°F	63°F	25680	4.4	1.7	25346	4.3	1.7	24704	4.1	1.8
	77°F	71°F	26400	4.7	1.7	26057	4.5	1.7	25397	4.3	1.7
100%	-22°F	-22.5°F	17400	1.9	2.8	17174	1.8	2.8	16739	1.7	2.9
	-5°F	-6°F	19920	2.0	2.9	19661	1.9	3.0	19163	1.8	3.0
	0°F	-1°F	20760	2.1	3.0	20490	2.0	3.0	19971	1.9	3.1
	5°F	3°F	21600	2.1	3.0	21319	2.0	3.1	20779	1.9	3.1
	7°F	5°F	21886	2.1	3.0	21601	2.1	3.1	21054	2.0	3.1
	17°F	15°F	23600	2.4	2.9	23293	2.3	3.0	22703	2.2	3.1
	28°F	26°F	23750	2.8	2.5	23441	2.7	2.6	22848	2.6	2.6
	38°F	35°F	23875	3.2	2.2	23565	3.1	2.2	22968	3.0	2.3
	47°F	43°F	24000	3.9	1.8	23688	3.8	1.8	23088	3.6	1.9
	57°F	52°F	24720	4.2	1.7	24399	4.1	1.8	23781	3.9	1.8
	68°F	63°F	25680	4.4	1.7	25346	4.3	1.7	24704	4.1	1.8
	77°F	71°F	26400	4.7	1.7	26057	4.5	1.7	25397	4.3	1.7



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	16530	1.8	3	16315	1.8	3	15902	1.7	3
	-5°F	-6°F	18924	2.0	3	18678	1.9	3	18205	1.8	3
	0°F	-1°F	19722	2.0	3	19466	2.0	3	18973	1.9	3
	5°F	3°F	20520	2.1	3	20253	2.0	3	19740	1.9	3
	7°F	5°F	20791	2.1	3	20521	2.0	3	20001	2.0	3
	17°F	15°F	22420	2.3	3	22129	2.3	3	21568	2.1	3
	28°F	26°F	22563	2.7	2	22269	2.7	2	21705	2.5	3
	38°F	35°F	22681	3.2	2	22386	3.1	2	21819	3.0	2
	47°F	43°F	22800	3.9	2	22504	3.7	2	21934	3.6	2
	57°F	52°F	23484	4.2	2	23179	4.0	2	22592	3.8	2
	68°F	63°F	24396	4.4	2	24079	4.3	2	23469	4.1	2
	77°F	71°F	25080	4.6	2	24754	4.5	2	24127	4.3	2
80%	-22°F	-22.5°F	14268	1.8	2	14083	1.7	2	13726	1.7	2
	-5°F	-6°F	16334	1.9	2	16122	1.9	3	15714	1.8	3
	0°F	-1°F	17023	2.0	3	16802	1.9	3	16376	1.8	3
	5°F	3°F	17712	2.0	3	17482	2.0	3	17039	1.9	3
	7°F	5°F	17946	2.1	3	17713	2.0	3	17264	1.9	3
	17°F	15°F	19352	2.3	2	19100	2.2	3	18617	2.1	3
	28°F	26°F	19475	2.7	2	19222	2.6	2	18735	2.5	2
	38°F	35°F	19578	3.1	2	19323	3.0	2	18834	2.9	2
	47°F	43°F	19680	3.8	2	19424	3.6	2	18932	3.5	2
	57°F	52°F	20270	4.1	1	20007	3.9	1	19500	3.7	2
	68°F	63°F	21058	4.3	1	20784	4.1	1	20257	4.0	2
	77°F	71°F	21648	4.5	1	21367	4.4	1	20825	4.2	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	12528	1.8	2.1	12365	1.7	2	12052	1.6	2.2
	-5°F	-6°F	14342	1.9	2.2	14156	1.9	2	13797	1.8	2.3
	0°F	-1°F	14947	2.0	2.2	14753	1.9	2	14379	1.8	2.3
	5°F	3°F	15552	2.0	2.3	15350	2.0	2	14961	1.9	2.4
	7°F	5°F	15758	2.1	2.3	15553	2.0	2	15159	1.9	2.4
	17°F	15°F	16992	2.3	2.2	16771	2.2	2	16346	2.1	2.3
	28°F	26°F	17100	2.7	1.9	16878	2.6	2	16450	2.5	2.0
	38°F	35°F	17190	3.1	1.6	16967	3.0	2	16537	2.9	1.7
	47°F	43°F	17280	3.8	1.4	17055	3.6	1	16623	3.5	1.4
	57°F	52°F	17798	4.0	1.3	17567	3.9	1	17122	3.7	1.3
	68°F	63°F	18490	4.3	1.3	18249	4.1	1	17787	3.9	1.3
	77°F	71°F	19008	4.5	1.2	18761	4.3	1	18286	4.1	1.3
60%	-22°F	-22.5°F	10788	1.8	1.8	10648	1.7	2	10378	1.6	1.9
	-5°F	-6°F	12350	1.9	1.9	12190	1.9	2	11881	1.8	2.0
	0°F	-1°F	12871	2.0	1.9	12704	1.9	2	12382	1.8	2.0
	5°F	3°F	13392	2.0	2.0	13218	1.9	2	12883	1.9	2.0
	7°F	5°F	13569	2.0	2.0	13393	2.0	2	13054	1.9	2.0
	17°F	15°F	14632	2.2	1.9	14442	2.2	2	14076	2.1	2.0
	28°F	26°F	14725	2.6	1.6	14534	2.6	2	14165	2.4	1.7
	38°F	35°F	14803	3.1	1.4	14610	3.0	1	14240	2.9	1.5
	47°F	43°F	14880	3.7	1.2	14687	3.6	1	14315	3.4	1.2
	57°F	52°F	15326	4.0	1.1	15127	3.9	1	14744	3.7	1.2
	68°F	63°F	15922	4.2	1.1	15715	4.1	1	15317	3.9	1.2
	77°F	71°F	16368	4.5	1.1	16155	4.3	1	15746	4.1	1.1



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									
50%	-22°F	-22.5°F	9048	1.8	1.5	8930	1.7	1.5	8704	1.6	1.6
	-5°F	-6°F	10358	1.9	1.6	10224	1.8	1.6	9965	1.8	1.7
	0°F	-1°F	10795	1.9	1.6	10655	1.9	1.7	10385	1.8	1.7
	5°F	3°F	11232	2.0	1.7	11086	1.9	1.7	10805	1.8	1.7
	7°F	5°F	11381	2.0	1.7	11233	2.0	1.7	10948	1.9	1.7
	17°F	15°F	12272	2.2	1.6	12112	2.2	1.7	11806	2.1	1.7
	28°F	26°F	12350	2.6	1.4	12189	2.5	1.4	11881	2.4	1.4
	38°F	35°F	12415	3.1	1.2	12254	3.0	1.2	11943	2.8	1.2
	47°F	43°F	12480	3.7	1.0	12318	3.6	1.0	12006	3.4	1.0
	57°F	52°F	12854	4.0	0.9	12687	3.9	1.0	12366	3.7	1.0
	68°F	63°F	13354	4.2	0.9	13180	4.1	1.0	12846	3.9	1.0
	77°F	71°F	13728	4.4	0.9	13550	4.3	0.9	13206	4.1	1.0



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)
135%	-22°F	13842	10727	77%	15.4	0.9	14772	11493	78%	15.9	0.9	16617	13028	78%	16.8	1.0	18860	14805	79%	18.2	1.0
	-4°F	14725	11412	78%	15.4	1.0	15715	12227	78%	15.9	1.0	17677	13859	78%	16.8	1.1	20064	15750	79%	18.2	1.1
	5°F	15665	12141	78%	15.4	1.0	16718	13007	78%	15.9	1.1	18806	14744	78%	16.8	1.1	21345	16756	79%	18.2	1.2
	14°F	16665	12916	78%	15.4	1.1	17786	13837	78%	15.9	1.1	20006	15685	78%	16.8	1.2	22707	17825	79%	18.2	1.3
	23°F	17729	13740	77%	15.4	1.2	18921	14720	78%	15.9	1.2	21283	16686	78%	16.8	1.3	24156	18963	79%	18.2	1.3
	32°F	18861	14617	78%	15.4	1.2	20128	15660	78%	15.9	1.3	22642	17751	78%	16.8	1.3	25698	20173	79%	18.2	1.4
	41°F	20064	15550	78%	15.4	1.3	21413	16660	78%	15.9	1.3	24087	18884	78%	16.8	1.4	27339	21461	79%	18.2	1.5
	50°F	21345	16542	78%	15.4	1.4	22780	17723	78%	15.9	1.4	25624	20090	78%	16.8	1.5	29084	22831	79%	18.2	1.6
	59°F	22708	17598	78%	15.4	1.5	24234	18854	78%	15.9	1.5	27260	21372	78%	16.8	1.6	30940	24288	79%	18.2	1.7
	68°F	24157	18722	78%	15.4	1.6	25781	20058	78%	15.9	1.6	29000	22736	78%	16.8	1.7	32915	25838	79%	18.2	1.8
	77°F	23990	18593	78%	14.3	1.7	25603	19919	78%	14.8	1.7	28800	22579	78%	15.7	1.8	32688	25660	79%	16.9	1.9
	86°F	23824	18463	78%	13.4	1.8	25425	19781	78%	13.8	1.8	28600	22422	78%	14.7	2.0	32461	25482	79%	15.8	2.1
	95°F	23657	18334	78%	12.5	1.9	25248	19643	78%	12.9	2.0	28400	22266	78%	13.7	2.1	32234	25304	79%	14.8	2.2
	104°F	23491	18205	78%	10.2	2.3	25070	19504	78%	10.5	2.4	28200	22109	78%	11.1	2.5	32007	25125	79%	12.0	2.7
	113°F	23324	18076	78%	8.5	2.7	24892	19366	78%	8.8	2.8	28000	21952	78%	9.3	3.0	31780	24947	79%	10.1	3.2
	118°F	23224	17999	78%	7.0	3.3	24785	19283	78%	7.2	3.4	27880	21858	78%	7.6	3.7	31644	24840	79%	8.2	3.8
120%	-22°F	13842	10727	77%	15.4	0.9	14772	11493	78%	15.9	0.9	16617	13028	78%	16.8	1.0	18860	14805	79%	18.2	1.0
	-4°F	14725	11412	78%	15.4	1.0	15715	12227	78%	15.9	1.0	17677	13859	78%	16.8	1.1	20064	15750	79%	18.2	1.1
	5°F	15665	12141	78%	15.4	1.0	16718	13007	78%	15.9	1.1	18806	14744	78%	16.8	1.1	21345	16756	79%	18.2	1.2
	14°F	16665	12916	78%	15.4	1.1	17786	13837	78%	15.9	1.1	20006	15685	78%	16.8	1.2	22707	17825	79%	18.2	1.3
	23°F	17729	13740	77%	15.4	1.2	18921	14720	78%	15.9	1.2	21283	16686	78%	16.8	1.3	24156	18963	79%	18.2	1.3
	32°F	18861	14617	78%	15.4	1.2	20128	15660	78%	15.9	1.3	22642	17751	78%	16.8	1.3	25698	20173	79%	18.2	1.4
	41°F	20064	15550	78%	15.4	1.3	21413	16660	78%	15.9	1.3	24087	18884	78%	16.8	1.4	27339	21461	79%	18.2	1.5
	50°F	21345	16542	78%	15.4	1.4	22780	17723	78%	15.9	1.4	25624	20090	78%	16.8	1.5	29084	22831	79%	18.2	1.6
	59°F	22708	17598	78%	15.4	1.5	24234	18854	78%	15.9	1.5	27260	21372	78%	16.8	1.6	30940	24288	79%	18.2	1.7
	68°F	24157	18722	78%	15.4	1.6	25781	20058	78%	15.9	1.6	29000	22736	78%	16.8	1.7	32915	25838	79%	18.2	1.8
	77°F	23990	18593	78%	14.3	1.7	25603	19919	78%	14.8	1.7	28800	22579	78%	15.7	1.8	32688	25660	79%	16.9	1.9
	86°F	23824	18463	78%	13.4	1.8	25425	19781	78%	13.8	1.8	28600	22422	78%	14.7	2.0	32461	25482	79%	15.8	2.1
	95°F	23657	18334	78%	12.5	1.9	25248	19643	78%	12.9	2.0	28400	22266	78%	13.7	2.1	32234	25304	79%	14.8	2.2
	104°F	23491	18205	78%	10.2	2.3	25070	19504	78%	10.5	2.4	28200	22109	78%	11.1	2.5	32007	25125	79%	12.0	2.7
	113°F	23324	18076	78%	8.5	2.7	24892	19366	78%	8.8	2.8	28000	21952	78%	9.3	3.0	31780	24947	79%	10.1	3.2
	118°F	23224	17999	78%	7.0	3.3	24785	19283	78%	7.2	3.4	27880	21858	78%	7.6	3.7	31644	24840	79%	8.2	3.8



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	13842	10727	77%	15.4	0.9	14772	11493	78%	15.9	0.9	16617	13028	78%	16.8	1.0	18860	14805	79%	18.2	1.0
	-4°F	14725	11412	78%	15.4	1.0	15715	12227	78%	15.9	1.0	17677	13859	78%	16.8	1.1	20064	15750	79%	18.2	1.1
	5°F	15665	12141	78%	15.4	1.0	16718	13007	78%	15.9	1.1	18806	14744	78%	16.8	1.1	21345	16756	79%	18.2	1.2
	14°F	16665	12916	78%	15.4	1.1	17786	13837	78%	15.9	1.1	20006	15685	78%	16.8	1.2	22707	17825	79%	18.2	1.3
	23°F	17729	13740	77%	15.4	1.2	18921	14720	78%	15.9	1.2	21283	16686	78%	16.8	1.3	24156	18963	79%	18.2	1.3
	32°F	18861	14617	78%	15.4	1.2	20128	15660	78%	15.9	1.3	22642	17751	78%	16.8	1.3	25698	20173	79%	18.2	1.4
	41°F	20064	15550	78%	15.4	1.3	21413	16660	78%	15.9	1.3	24087	18884	78%	16.8	1.4	27339	21461	79%	18.2	1.5
	50°F	21345	16542	78%	15.4	1.4	22780	17723	78%	15.9	1.4	25624	20090	78%	16.8	1.5	29084	22831	79%	18.2	1.6
	59°F	22708	17598	78%	15.4	1.5	24234	18854	78%	15.9	1.5	27260	21372	78%	16.8	1.6	30940	24288	79%	18.2	1.7
	68°F	24157	18722	78%	15.4	1.6	25781	20058	78%	15.9	1.6	29000	22736	78%	16.8	1.7	32915	25838	79%	18.2	1.8
	77°F	23990	18593	78%	14.3	1.7	25603	19919	78%	14.8	1.7	28800	22579	78%	15.7	1.8	32688	25660	79%	16.9	1.9
	86°F	23824	18463	78%	13.4	1.8	25425	19781	78%	13.8	1.8	28600	22422	78%	14.7	2.0	32461	25482	79%	15.8	2.1
	95°F	23657	18334	78%	12.5	1.9	25248	19643	78%	12.9	2.0	28400	22266	78%	13.7	2.1	32234	25304	79%	14.8	2.2
	104°F	23491	18205	78%	10.2	2.3	25070	19504	78%	10.5	2.4	28200	22109	78%	11.1	2.5	32007	25125	79%	12.0	2.7
	113°F	23324	18076	78%	8.5	2.7	24892	19366	78%	8.8	2.8	28000	21952	78%	9.3	3.0	31780	24947	79%	10.1	3.2
	118°F	23224	17999	78%	7.0	3.3	24785	19283	78%	7.2	3.4	27880	21858	78%	7.6	3.7	31644	24840	79%	8.2	3.8
100%	-22°F	13842	10727	77%	15.4	1	14772	11493	78%	15.9	1	16617	13028	78%	16.8	1	18860	14805	79%	18.2	1
	-4°F	14725	11412	78%	15.4	1	15715	12227	78%	15.9	1	17677	13859	78%	16.8	1	20064	15750	79%	18.2	1
	5°F	15665	12141	78%	15.4	1	16718	13007	78%	15.9	1	18806	14744	78%	16.8	1	21345	16756	79%	18.2	1
	14°F	16665	12916	78%	15.4	1	17786	13837	78%	15.9	1	20006	15685	78%	16.8	1	22707	17825	79%	18.2	1
	23°F	17729	13740	77%	15.4	1	18921	14720	78%	15.9	1	21283	16686	78%	16.8	1	24156	18963	79%	18.2	1
	32°F	18861	14617	78%	15.4	1	20128	15660	78%	15.9	1	22642	17751	78%	16.8	1	25698	20173	79%	18.2	1
	41°F	20064	15550	78%	15.4	1	21413	16660	78%	15.9	1	24087	18884	78%	16.8	1	27339	21461	79%	18.2	2
	50°F	21345	16542	78%	15.4	1	22780	17723	78%	15.9	1	25624	20090	78%	16.8	2	29084	22831	79%	18.2	2
	59°F	22708	17598	78%	15.4	1	24234	18854	78%	15.9	2	27260	21372	78%	16.8	2	30940	24288	79%	18.2	2
	68°F	24157	18722	78%	15.4	2	25781	20058	78%	15.9	2	29000	22736	78%	16.8	2	32915	25838	79%	18.2	2
	77°F	23990	18593	78%	14.3	2	25603	19919	78%	14.8	2	28800	22579	78%	15.7	2	32688	25660	79%	16.9	2
	86°F	23824	18463	78%	13.4	2	25425	19781	78%	13.8	2	28600	22422	78%	14.7	2	32461	25482	79%	15.8	2
	95°F	23657	18334	78%	12.5	2	25248	19643	78%	12.9	2	28400	22266	78%	13.7	2	32234	25304	79%	14.8	2
	104°F	23491	18205	78%	10.2	2	25070	19504	78%	10.5	2	28200	22109	78%	11.1	3	32007	25125	79%	12.0	3
	113°F	23324	18076	78%	8.5	3	24892	19366	78%	8.8	3	28000	21952	78%	9.3	3	31780	24947	79%	10.1	3
	118°F	23224	17999	78%	7.0	3	24785	19283	78%	7.2	3	27880	21858	78%	7.6	4	31644	24840	79%	8.2	4



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	13011	10084	78%	15.2	0.9	13886	10803	78%	15.7	0.9	15620	12246	78%	16.7	0.9	17729	13917	79%	18.0	1.0
	-4°F	13842	10727	78%	15.2	0.9	14772	11493	78%	15.7	0.9	16617	13028	78%	16.7	1.0	18860	14805	79%	18.0	1.1
	5°F	14725	11412	78%	15.2	1.0	15715	12227	78%	15.7	1.0	17677	13859	78%	16.7	1.1	20064	15750	79%	18.0	1.1
	14°F	15665	12141	78%	15.2	1.0	16718	13007	78%	15.7	1.1	18806	14744	78%	16.7	1.1	21345	16756	79%	18.0	1.2
	23°F	16665	12916	78%	15.2	1.1	17786	13837	78%	15.7	1.1	20006	15685	78%	16.7	1.2	22707	17825	79%	18.0	1.3
	32°F	17729	13740	78%	15.2	1.2	18921	14720	78%	15.7	1.2	21283	16686	78%	16.7	1.3	24156	18963	79%	18.0	1.3
	41°F	18861	14617	78%	15.2	1.2	20128	15660	78%	15.7	1.3	22642	17751	78%	16.7	1.4	25698	20173	79%	18.0	1.4
	50°F	20064	15550	78%	15.2	1.3	21413	16660	78%	15.7	1.4	24087	18884	78%	16.7	1.4	27339	21461	79%	18.0	1.5
	59°F	21345	16542	78%	15.2	1.4	22780	17723	78%	15.7	1.5	25624	20090	78%	16.7	1.5	29084	22831	79%	18.0	1.6
	68°F	22708	17598	78%	15.2	1.5	24234	18854	78%	15.7	1.5	27260	21372	78%	16.7	1.6	30940	24288	79%	18.0	1.7
	77°F	22551	17477	78%	14.2	1.6	24067	18724	78%	14.7	1.6	27072	21224	78%	15.5	1.7	30727	24120	79%	16.8	1.8
	86°F	22394	17356	78%	13.3	1.7	23900	18594	78%	13.7	1.7	26884	21077	78%	14.5	1.9	30513	23953	79%	15.7	1.9
	95°F	22238	17234	78%	12.4	1.8	23733	18464	78%	12.8	1.9	26696	20930	78%	13.5	2.0	30300	23785	79%	14.6	2.1
	104°F	22081	17113	78%	10.0	2.2	23566	18334	78%	10.4	2.3	26508	20782	78%	11.0	2.4	30087	23618	79%	11.9	2.5
	113°F	21925	16992	78%	8.4	2.6	23398	18204	78%	8.7	2.7	26320	20635	78%	9.2	2.9	29873	23450	79%	10.0	3.0
	118°F	21831	16919	78%	6.9	3.2	23298	18126	78%	7.1	3.3	26207	20546	78%	7.6	3.5	29745	23350	79%	8.2	3.6
80%	-22°F	11350	8796	78%	14.8	0.8	12113	9424	78%	15.3	0.8	13626	10683	78%	16.2	0.8	15465	12140	79%	17.5	0.9
	-4°F	12075	9358	78%	14.8	0.8	12887	10026	78%	15.3	0.8	14496	11365	78%	16.2	0.9	16452	12915	79%	17.5	0.9
	5°F	12846	9955	78%	14.8	0.9	13709	10666	78%	15.3	0.9	15421	12090	78%	16.2	1.0	17503	13740	79%	17.5	1.0
	14°F	13665	10591	78%	14.8	0.9	14584	11346	78%	15.3	1.0	16405	12862	78%	16.2	1.0	18620	14617	79%	17.5	1.1
	23°F	14538	11267	78%	14.8	1.0	15515	12071	78%	15.3	1.0	17452	13683	78%	16.2	1.1	19808	15550	79%	17.5	1.1
	32°F	15466	11986	78%	14.8	1.0	16505	12841	78%	15.3	1.1	18566	14556	78%	16.2	1.1	21073	16542	79%	17.5	1.2
	41°F	16453	12751	78%	14.8	1.1	17559	13661	78%	15.3	1.1	19751	15485	78%	16.2	1.2	22418	17598	79%	17.5	1.3
	50°F	17503	13565	78%	14.8	1.2	18680	14533	78%	15.3	1.2	21012	16473	78%	16.2	1.3	23849	18721	79%	17.5	1.4
	59°F	18620	14431	78%	14.8	1.3	19872	15460	78%	15.3	1.3	22353	17525	78%	16.2	1.4	25371	19916	79%	17.5	1.4
	68°F	19809	15352	78%	14.8	1.3	21140	16447	78%	15.3	1.4	23780	18644	78%	16.2	1.5	26990	21187	79%	17.5	1.5
	77°F	19672	15246	78%	13.8	1.4	20995	16334	78%	14.3	1.5	23616	18515	78%	15.2	1.6	26804	21041	79%	16.4	1.6
	86°F	19536	15140	78%	12.9	1.5	20849	16220	78%	13.3	1.6	23452	18386	78%	14.2	1.7	26618	20895	79%	15.3	1.7
	95°F	19399	15034	78%	12.1	1.6	20703	16107	78%	12.5	1.7	23288	18258	78%	13.2	1.8	26432	20749	79%	14.3	1.9
	104°F	19262	14928	78%	9.8	2.0	20557	15994	78%	10.1	2.0	23124	18129	78%	10.7	2.2	26246	20603	79%	11.6	2.3
	113°F	19126	14822	78%	8.2	2.3	20411	15880	78%	8.5	2.4	22960	18001	78%	9.0	2.6	26060	20457	79%	9.7	2.7
	118°F	19044	14759	78%	6.7	2.8	20324	15812	78%	7.0	2.9	22862	17923	78%	7.4	3.1	25948	20369	79%	8.0	3.3



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)
70%	-22°F	9966	7724	78%	14.8	0.7	10636	8275	78%	15.2	0.7	11964	9380	78%	16.2	0.7	13579	10660	79%	17.4	0.8
	-4°F	10602	8217	78%	14.8	0.7	11315	8803	78%	15.2	0.7	12728	9979	78%	16.2	0.8	14446	11340	79%	17.4	0.8
	5°F	11279	8741	78%	14.8	0.8	12037	9365	78%	15.2	0.8	13540	10616	78%	16.2	0.8	15368	12064	79%	17.4	0.9
	14°F	11999	9299	78%	14.8	0.8	12806	9963	78%	15.2	0.8	14404	11293	78%	16.2	0.9	16349	12834	79%	17.4	0.9
	23°F	12765	9893	78%	14.8	0.9	13623	10599	78%	15.2	0.9	15324	12014	78%	16.2	0.9	17393	13653	79%	17.4	1.0
	32°F	13580	10524	78%	14.8	0.9	14493	11275	78%	15.2	1.0	16302	12781	78%	16.2	1.0	18503	14525	79%	17.4	1.1
	41°F	14446	11196	78%	14.8	1.0	15418	11995	78%	15.2	1.0	17343	13597	78%	16.2	1.1	19684	15452	79%	17.4	1.1
	50°F	15368	11911	78%	14.8	1.0	16402	12760	78%	15.2	1.1	18450	14464	78%	16.2	1.1	20940	16438	79%	17.4	1.2
	59°F	16349	12671	78%	14.8	1.1	17449	13575	78%	15.2	1.1	19627	15388	78%	16.2	1.2	22277	17487	79%	17.4	1.3
	68°F	17393	13480	78%	14.8	1.2	18562	14441	78%	15.2	1.2	20880	16370	78%	16.2	1.3	23699	18604	79%	17.4	1.4
	77°F	17273	13387	78%	13.8	1.3	18434	14342	78%	14.2	1.3	20736	16257	78%	15.1	1.4	23535	18475	79%	16.3	1.4
	86°F	17153	13294	78%	12.9	1.3	18306	14242	78%	13.3	1.4	20592	16144	78%	14.1	1.5	23372	18347	79%	15.2	1.5
	95°F	17033	13201	78%	12.0	1.4	18178	14143	78%	12.4	1.5	20448	16031	78%	13.1	1.6	23208	18219	79%	14.2	1.6
	104°F	16913	13108	78%	9.7	1.7	18050	14043	78%	10.1	1.8	20304	15918	78%	10.7	1.9	23045	18090	79%	11.5	2.0
	113°F	16793	13015	78%	8.2	2.1	17922	13944	78%	8.5	2.1	20160	15805	78%	9.0	2.3	22882	17962	79%	9.7	2.4
	118°F	16721	12959	78%	6.7	2.5	17845	13884	78%	6.9	2.6	20074	15738	78%	7.3	2.7	22784	17885	79%	7.9	2.9
60%	-22°F	8582	6651	78%	14.7	0.6	9159	7126	78%	15.1	0.6	10302	8077	78%	16.1	0.6	11693	9179	79%	17.3	0.7
	-4°F	9130	7076	78%	14.7	0.6	9743	7580	78%	15.1	0.6	10960	8593	78%	16.1	0.7	12440	9765	79%	17.3	0.7
	5°F	9712	7527	78%	14.7	0.7	10365	8064	78%	15.1	0.7	11660	9141	78%	16.1	0.7	13234	10388	79%	17.3	0.8
	14°F	10332	8008	78%	14.7	0.7	11027	8579	78%	15.1	0.7	12404	9725	78%	16.1	0.8	14078	11052	79%	17.3	0.8
	23°F	10992	8519	78%	14.7	0.8	11731	9127	78%	15.1	0.8	13196	10345	78%	16.1	0.8	14977	11757	79%	17.3	0.9
	32°F	11694	9062	78%	14.7	0.8	12480	9709	78%	15.1	0.8	14038	11006	78%	16.1	0.9	15933	12507	79%	17.3	0.9
	41°F	12440	9641	78%	14.7	0.8	13276	10329	78%	15.1	0.9	14934	11708	78%	16.1	0.9	16950	13306	79%	17.3	1.0
	50°F	13234	10256	78%	14.7	0.9	14124	10988	78%	15.1	0.9	15887	12456	78%	16.1	1.0	18032	14155	79%	17.3	1.0
	59°F	14079	10911	78%	14.7	1.0	15025	11690	78%	15.1	1.0	16901	13251	78%	16.1	1.1	19183	15059	79%	17.3	1.1
	68°F	14977	11607	78%	14.7	1.0	15984	12436	78%	15.1	1.1	17980	14096	78%	16.1	1.1	20407	16020	79%	17.3	1.2
	77°F	14874	11527	78%	13.7	1.1	15874	12350	78%	14.1	1.1	17856	13999	78%	15.0	1.2	20267	15909	79%	16.2	1.3
	86°F	14771	11447	78%	12.8	1.2	15764	12264	78%	13.2	1.2	17732	13902	78%	14.0	1.3	20126	15799	79%	15.1	1.3
	95°F	14667	11367	78%	11.9	1.2	15654	12178	78%	12.3	1.3	17608	13805	78%	13.1	1.3	19985	15688	79%	14.1	1.4
	104°F	14564	11287	78%	9.7	1.5	15543	12093	78%	10.0	1.6	17484	13707	78%	10.6	1.6	19844	15578	79%	11.4	1.7
	113°F	14461	11207	78%	8.1	1.8	15433	12007	78%	8.4	1.8	17360	13610	78%	8.9	2.0	19704	15467	79%	9.6	2.1
	118°F	14399	11159	78%	6.7	2.2	15367	11955	78%	6.9	2.2	17286	13552	78%	7.3	2.4	19619	15401	79%	7.9	2.5



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	7198	5578	78%	14.5	0.5	7682	5976	78%	15.0	0.5	8641	6774	78%	15.9	0.5	9807	7699	79%	17.2	0.6
	-4°F	7657	6277	82%	14.5	0.5	8172	6358	78%	15.0	0.5	9192	7207	78%	15.9	0.6	10433	8190	79%	17.2	0.6
	5°F	8146	6677	82%	14.5	0.6	8694	6764	78%	15.0	0.6	9779	7667	78%	15.9	0.6	11099	8713	79%	17.2	0.6
	14°F	8666	7104	82%	14.5	0.6	9248	7195	78%	15.0	0.6	10403	8156	78%	15.9	0.7	11808	9269	79%	17.2	0.7
	23°F	9219	7557	82%	14.5	0.6	9839	7655	78%	15.0	0.7	11067	8677	78%	15.9	0.7	12561	9861	79%	17.2	0.7
	32°F	9807	8039	82%	14.5	0.7	10467	8143	78%	15.0	0.7	11774	9231	78%	15.9	0.7	13363	10490	79%	17.2	0.8
	41°F	10433	8552	82%	14.5	0.7	11135	8663	78%	15.0	0.7	12525	9820	78%	15.9	0.8	14216	11160	79%	17.2	0.8
	50°F	11099	9098	82%	14.5	0.8	11846	9216	78%	15.0	0.8	13325	10447	78%	15.9	0.8	15124	11872	79%	17.2	0.9
	59°F	11808	9679	82%	14.5	0.8	12602	9804	78%	15.0	0.8	14175	11113	78%	15.9	0.9	16089	12630	79%	17.2	0.9
	68°F	12562	10297	82%	14.5	0.9	13406	10430	78%	15.0	0.9	15080	11823	78%	15.9	0.9	17116	13436	79%	17.2	1.0
	77°F	12475	10226	82%	13.6	0.9	13314	10358	78%	14.0	1.0	14976	11741	78%	14.9	1.0	16998	13343	79%	16.0	1.1
	86°F	12388	10155	82%	12.7	1.0	13221	10286	78%	13.1	1.0	14872	11660	78%	13.9	1.1	16880	13251	79%	15.0	1.1
	95°F	12302	10084	82%	11.8	1.0	13129	10214	78%	12.2	1.1	14768	11578	78%	12.9	1.1	16762	13158	79%	14.0	1.2
	104°F	12215	10013	82%	9.6	1.3	13036	10142	78%	9.9	1.3	14664	11497	78%	10.5	1.4	16644	13065	79%	11.3	1.5
	113°F	12128	9942	82%	8.1	1.5	12944	10070	78%	8.3	1.6	14560	11415	78%	8.8	1.7	16526	12973	79%	9.5	1.7
	118°F	12077	9899	82%	6.6	1.8	12888	10027	78%	6.8	1.9	14498	11366	78%	7.2	2.0	16455	12917	79%	7.8	2.1



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									
135%	-22°F	-22.5°F	22600	1.8	3.7	22306	1.7	4	21741	1.6	3.9
	-5°F	-6°F	25240	2.0	3.7	24912	1.9	4	24281	1.8	3.9
	0°F	-1°F	26120	2.0	3.8	25780	2.0	4	25127	1.9	3.9
	5°F	3°F	27000	2.1	3.8	26649	2.0	4	25974	1.9	3.9
	7°F	5°F	27214	2.2	3.7	26861	2.1	4	26180	2.0	3.8
	17°F	15°F	28500	2.8	3.0	28130	2.7	3	27417	2.5	3.2
	28°F	26°F	29063	3.2	2.7	28685	3.1	3	27958	2.9	2.8
	38°F	35°F	29531	3.6	2.4	29147	3.5	2	28409	3.3	2.5
	47°F	43°F	30000	4.2	2.1	29610	4.0	2	28860	3.9	2.2
	57°F	52°F	30900	4.5	2.0	30498	4.4	2	29726	4.2	2.1
	68°F	63°F	32100	4.8	2.0	31683	4.6	2	30880	4.4	2.1
	77°F	71°F	33000	5.0	1.9	32571	4.8	2	31746	4.6	2.0
120%	-22°F	-22.5°F	22600	1.8	3.7	22306	1.7	4	21741	1.6	3.9
	-5°F	-6°F	25240	2.0	3.7	24912	1.9	4	24281	1.8	3.9
	0°F	-1°F	26120	2.0	3.8	25780	2.0	4	25127	1.9	3.9
	5°F	3°F	27000	2.1	3.8	26649	2.0	4	25974	1.9	3.9
	7°F	5°F	27214	2.2	3.7	26861	2.1	4	26180	2.0	3.8
	17°F	15°F	28500	2.8	3.0	28130	2.7	3	27417	2.5	3.2
	28°F	26°F	29063	3.2	2.7	28685	3.1	3	27958	2.9	2.8
	38°F	35°F	29531	3.6	2.4	29147	3.5	2	28409	3.3	2.5
	47°F	43°F	30000	4.2	2.1	29610	4.0	2	28860	3.9	2.2
	57°F	52°F	30900	4.5	2.0	30498	4.4	2	29726	4.2	2.1
	68°F	63°F	32100	4.8	2.0	31683	4.6	2	30880	4.4	2.1
	77°F	71°F	33000	5.0	1.9	32571	4.8	2	31746	4.6	2.0



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	22600	1.8	3.7	22306	1.7	3.8	21741	1.6	3.9
	-5°F	-6°F	25240	2.0	3.7	24912	1.9	3.8	24281	1.8	3.9
	0°F	-1°F	26120	2.0	3.8	25780	2.0	3.8	25127	1.9	3.9
	5°F	3°F	27000	2.1	3.8	26649	2.0	3.8	25974	1.9	3.9
	7°F	5°F	27214	2.2	3.7	26861	2.1	3.7	26180	2.0	3.8
	17°F	15°F	28500	2.8	3.0	28130	2.7	3.1	27417	2.5	3.2
	28°F	26°F	29063	3.2	2.7	28685	3.1	2.7	27958	2.9	2.8
	38°F	35°F	29531	3.6	2.4	29147	3.5	2.4	28409	3.3	2.5
	47°F	43°F	30000	4.2	2.1	29610	4.0	2.1	28860	3.9	2.2
	57°F	52°F	30900	4.5	2.0	30498	4.4	2.1	29726	4.2	2.1
	68°F	63°F	32100	4.8	2.0	31683	4.6	2.0	30880	4.4	2.1
	77°F	71°F	33000	5.0	1.9	32571	4.8	2.0	31746	4.6	2.0
100%	-22°F	-22.5°F	22600	1.8	3.7	22306	1.7	3.8	21741	1.6	3.9
	-5°F	-6°F	25240	2.0	3.7	24912	1.9	3.8	24281	1.8	3.9
	0°F	-1°F	26120	2.0	3.8	25780	2.0	3.8	25127	1.9	3.9
	5°F	3°F	27000	2.1	3.8	26649	2.0	3.8	25974	1.9	3.9
	7°F	5°F	27214	2.2	3.7	26861	2.1	3.7	26180	2.0	3.8
	17°F	15°F	28500	2.8	3.0	28130	2.7	3.1	27417	2.5	3.2
	28°F	26°F	29063	3.2	2.7	28685	3.1	2.7	27958	2.9	2.8
	38°F	35°F	29531	3.6	2.4	29147	3.5	2.4	28409	3.3	2.5
	47°F	43°F	30000	4.2	2.1	29610	4.0	2.1	28860	3.9	2.2
	57°F	52°F	30900	4.5	2.0	30498	4.4	2.1	29726	4.2	2.1
	68°F	63°F	32100	4.8	2.0	31683	4.6	2.0	30880	4.4	2.1
	77°F	71°F	33000	5.0	1.9	32571	4.8	2.0	31746	4.6	2.0



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	21470	1.8	4	21191	1.7	4	20654	1.6	4
	-5°F	-6°F	23978	2.0	4	23666	1.9	4	23067	1.8	4
	0°F	-1°F	24814	2.0	4	24491	2.0	4	23871	1.9	4
	5°F	3°F	25650	2.1	4	25317	2.0	4	24675	1.9	4
	7°F	5°F	25854	2.2	4	25517	2.1	4	24871	2.0	4
	17°F	15°F	27075	2.7	3	26723	2.6	3	26046	2.5	3
	28°F	26°F	27609	3.2	3	27250	3.0	3	26560	2.9	3
	38°F	35°F	28055	3.6	2	27690	3.5	2	26989	3.3	2
	47°F	43°F	28500	4.1	2	28130	4.0	2	27417	3.8	2
	57°F	52°F	29355	4.5	2	28973	4.3	2	28240	4.1	2
	68°F	63°F	30495	4.7	2	30099	4.6	2	29336	4.3	2
	77°F	71°F	31350	5.0	2	30942	4.8	2	30159	4.6	2
80%	-22°F	-22.5°F	18532	1.7	3	18291	1.7	3	17828	1.6	3
	-5°F	-6°F	20697	1.9	3	20428	1.8	3	19910	1.8	3
	0°F	-1°F	21418	2.0	3	21140	1.9	3	20605	1.8	3
	5°F	3°F	22140	2.0	3	21852	2.0	3	21299	1.9	3
	7°F	5°F	22316	2.1	3	22026	2.0	3	21468	1.9	3
	17°F	15°F	23370	2.7	3	23066	2.6	3	22482	2.5	3
	28°F	26°F	23831	3.1	2	23521	3.0	2	22926	2.8	2
	38°F	35°F	24216	3.5	2	23901	3.4	2	23295	3.2	2
	47°F	43°F	24600	4.0	2	24280	3.9	2	23665	3.7	2
	57°F	52°F	25338	4.4	2	25009	4.2	2	24375	4.0	2
	68°F	63°F	26322	4.6	2	25980	4.4	2	25322	4.2	2
	77°F	71°F	27060	4.8	2	26708	4.7	2	26032	4.5	2



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	16272	1.7	2.8	16060	1.7	3	15654	1.6	2.9
	-5°F	-6°F	18173	1.9	2.8	17937	1.8	3	17482	1.7	2.9
	0°F	-1°F	18806	2.0	2.8	18562	1.9	3	18092	1.8	2.9
	5°F	3°F	19440	2.0	2.8	19187	2.0	3	18701	1.9	3.0
	7°F	5°F	19594	2.1	2.7	19340	2.0	3	18850	1.9	2.9
	17°F	15°F	20520	2.7	2.3	20253	2.6	2	19740	2.4	2.4
	28°F	26°F	20925	3.1	2.0	20653	3.0	2	20130	2.8	2.1
	38°F	35°F	21263	3.5	1.8	20986	3.4	2	20455	3.2	1.9
	47°F	43°F	21600	4.0	1.6	21319	3.9	2	20779	3.7	1.6
	57°F	52°F	22248	4.3	1.5	21959	4.2	2	21403	4.0	1.6
	68°F	63°F	23112	4.6	1.5	22812	4.4	2	22234	4.2	1.5
	77°F	71°F	23760	4.8	1.4	23451	4.7	1	22857	4.4	1.5
60%	-22°F	-22.5°F	14012	1.7	2.4	13830	1.6	2	13480	1.6	2.5
	-5°F	-6°F	15649	1.9	2.4	15445	1.8	2	15054	1.7	2.5
	0°F	-1°F	16194	1.9	2.4	15984	1.9	2	15579	1.8	2.6
	5°F	3°F	16740	2.0	2.4	16522	1.9	3	16104	1.9	2.6
	7°F	5°F	16873	2.1	2.4	16654	2.0	2	16232	1.9	2.5
	17°F	15°F	17670	2.6	2.0	17440	2.6	2	16999	2.4	2.1
	28°F	26°F	18019	3.0	1.7	17785	2.9	2	17334	2.8	1.8
	38°F	35°F	18309	3.5	1.6	18071	3.3	2	17614	3.2	1.6
	47°F	43°F	18600	4.0	1.4	18358	3.9	1	17893	3.7	1.4
	57°F	52°F	19158	4.3	1.3	18909	4.2	1	18430	4.0	1.4
	68°F	63°F	19902	4.6	1.3	19643	4.4	1	19146	4.2	1.3
	77°F	71°F	20460	4.8	1.3	20194	4.6	1	19683	4.4	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									
50%	-22°F	-22.5°F	11752	1.7	2.0	11599	1.6	2.1	11305	1.6	2.1
	-5°F	-6°F	13125	1.9	2.1	12954	1.8	2.1	12626	1.7	2.2
	0°F	-1°F	13582	1.9	2.1	13406	1.9	2.1	13066	1.8	2.2
	5°F	3°F	14040	2.0	2.1	13857	1.9	2.1	13506	1.8	2.2
	7°F	5°F	14151	2.1	2.0	13967	2.0	2.1	13614	1.9	2.1
	17°F	15°F	14820	2.6	1.7	14627	2.5	1.7	14257	2.4	1.7
	28°F	26°F	15113	3.0	1.5	14916	2.9	1.5	14538	2.8	1.5
	38°F	35°F	15356	3.4	1.3	15157	3.3	1.3	14773	3.2	1.4
	47°F	43°F	15600	4.0	1.2	15397	3.8	1.2	15007	3.6	1.2
	57°F	52°F	16068	4.3	1.1	15859	4.1	1.1	15457	3.9	1.2
	68°F	63°F	16692	4.5	1.1	16475	4.4	1.1	16058	4.2	1.1
	77°F	71°F	17160	4.7	1.1	16937	4.6	1.1	16508	4.4	1.1



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	19760	15314	78%	15.2	1.3	21089	16407	78%	15.7	1.3	23722	18598	78%	16.6	1.4	26924	21136	79%	17.9	1.5
	-4°F	21022	16292	78%	15.2	1.4	22435	17454	78%	15.7	1.4	25236	19785	78%	16.6	1.5	28643	22485	79%	17.9	1.6
	5°F	22364	17332	78%	15.2	1.5	23867	18568	78%	15.7	1.5	26847	21048	78%	16.6	1.6	30471	23920	79%	17.9	1.7
	14°F	23791	18438	78%	15.2	1.6	25390	19754	78%	15.7	1.6	28561	22392	78%	16.6	1.7	32416	25447	79%	17.9	1.8
	23°F	25310	19615	78%	15.2	1.7	27011	21015	78%	15.7	1.7	30384	23821	78%	16.6	1.8	34485	27071	79%	17.9	1.9
	32°F	26925	20867	78%	15.2	1.8	28735	22356	78%	15.7	1.8	32323	25341	78%	16.6	1.9	36687	28799	79%	17.9	2.0
	41°F	28644	22199	78%	15.2	1.9	30569	23783	78%	15.7	2.0	34386	26959	78%	16.6	2.1	39028	30637	79%	17.9	2.2
	50°F	30472	23616	78%	15.2	2.0	32521	25301	78%	15.7	2.1	36581	28680	78%	16.6	2.2	41519	32593	79%	17.9	2.3
	59°F	32417	25123	78%	15.2	2.1	34596	26916	78%	15.7	2.2	38916	30510	78%	16.6	2.3	44170	34673	79%	17.9	2.5
	68°F	34486	26727	78%	15.2	2.3	36805	28634	78%	15.7	2.3	41400	32458	78%	16.6	2.5	46989	36886	79%	17.9	2.6
	77°F	32987	25565	78%	13.6	2.4	35204	27389	78%	14.1	2.5	39600	31046	78%	14.9	2.7	44946	35283	79%	16.1	2.8
	86°F	31487	24403	78%	12.2	2.6	33604	26144	78%	12.6	2.7	37800	29635	78%	13.4	2.8	42903	33679	79%	14.5	3.0
	95°F	29988	23241	78%	11.0	2.7	32004	24899	78%	11.3	2.8	36000	28224	78%	12.0	3.0	40860	32075	79%	12.9	3.2
	104°F	28489	22079	78%	9.2	3.1	30404	23654	78%	9.5	3.2	34200	26813	78%	10.1	3.4	38817	30471	79%	10.9	3.6
	113°F	26989	20917	78%	7.8	3.5	28804	22409	78%	8.0	3.6	32400	25402	78%	8.5	3.8	36774	28868	79%	9.2	4.0
	118°F	26090	20219	78%	6.8	3.8	27843	21662	78%	7.0	4.0	31320	24555	78%	7.5	4.2	35548	27905	79%	8.0	4.4
120%	-22°F	19760	15314	78%	15.2	1.3	21089	16407	78%	15.7	1.3	23722	18598	78%	16.6	1.4	26924	21136	79%	17.9	1.5
	-4°F	21022	16292	78%	15.2	1.4	22435	17454	78%	15.7	1.4	25236	19785	78%	16.6	1.5	28643	22485	79%	17.9	1.6
	5°F	22364	17332	78%	15.2	1.5	23867	18568	78%	15.7	1.5	26847	21048	78%	16.6	1.6	30471	23920	79%	17.9	1.7
	14°F	23791	18438	78%	15.2	1.6	25390	19754	78%	15.7	1.6	28561	22392	78%	16.6	1.7	32416	25447	79%	17.9	1.8
	23°F	25310	19615	78%	15.2	1.7	27011	21015	78%	15.7	1.7	30384	23821	78%	16.6	1.8	34485	27071	79%	17.9	1.9
	32°F	26925	20867	78%	15.2	1.8	28735	22356	78%	15.7	1.8	32323	25341	78%	16.6	1.9	36687	28799	79%	17.9	2.0
	41°F	28644	22199	78%	15.2	1.9	30569	23783	78%	15.7	2.0	34386	26959	78%	16.6	2.1	39028	30637	79%	17.9	2.2
	50°F	30472	23616	78%	15.2	2.0	32521	25301	78%	15.7	2.1	36581	28680	78%	16.6	2.2	41519	32593	79%	17.9	2.3
	59°F	32417	25123	78%	15.2	2.1	34596	26916	78%	15.7	2.2	38916	30510	78%	16.6	2.3	44170	34673	79%	17.9	2.5
	68°F	34486	26727	78%	15.2	2.3	36805	28634	78%	15.7	2.3	41400	32458	78%	16.6	2.5	46989	36886	79%	17.9	2.6
	77°F	32987	25565	78%	13.6	2.4	35204	27389	78%	14.1	2.5	39600	31046	78%	14.9	2.7	44946	35283	79%	16.1	2.8
	86°F	31487	24403	78%	12.2	2.6	33604	26144	78%	12.6	2.7	37800	29635	78%	13.4	2.8	42903	33679	79%	14.5	3.0
	95°F	29988	23241	78%	11.0	2.7	32004	24899	78%	11.3	2.8	36000	28224	78%	12.0	3.0	40860	32075	79%	12.9	3.2
	104°F	28489	22079	78%	9.2	3.1	30404	23654	78%	9.5	3.2	34200	26813	78%	10.1	3.4	38817	30471	79%	10.9	3.6
	113°F	26989	20917	78%	7.8	3.5	28804	22409	78%	8.0	3.6	32400	25402	78%	8.5	3.8	36774	28868	79%	9.2	4.0
	118°F	26090	20219	78%	6.8	3.8	27843	21662	78%	7.0	4.0	31320	24555	78%	7.5	4.2	35548	27905	79%	8.0	4.4



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	19760	15314	78%	15.2	1.3	21089	16407	78%	15.7	1.3	23722	18598	78%	16.6	1.4	26924	21136	79%	17.9	1.5
	-4°F	21022	16292	78%	15.2	1.4	22435	17454	78%	15.7	1.4	25236	19785	78%	16.6	1.5	28643	22485	79%	17.9	1.6
	5°F	22364	17332	78%	15.2	1.5	23867	18568	78%	15.7	1.5	26847	21048	78%	16.6	1.6	30471	23920	79%	17.9	1.7
	14°F	23791	18438	78%	15.2	1.6	25390	19754	78%	15.7	1.6	28561	22392	78%	16.6	1.7	32416	25447	79%	17.9	1.8
	23°F	25310	19615	78%	15.2	1.7	27011	21015	78%	15.7	1.7	30384	23821	78%	16.6	1.8	34485	27071	79%	17.9	1.9
	32°F	26925	20867	78%	15.2	1.8	28735	22356	78%	15.7	1.8	32323	25341	78%	16.6	1.9	36687	28799	79%	17.9	2.0
	41°F	28644	22199	78%	15.2	1.9	30569	23783	78%	15.7	2.0	34386	26959	78%	16.6	2.1	39028	30637	79%	17.9	2.2
	50°F	30472	23616	78%	15.2	2.0	32521	25301	78%	15.7	2.1	36581	28680	78%	16.6	2.2	41519	32593	79%	17.9	2.3
	59°F	32417	25123	78%	15.2	2.1	34596	26916	78%	15.7	2.2	38916	30510	78%	16.6	2.3	44170	34673	79%	17.9	2.5
	68°F	34486	26727	78%	15.2	2.3	36805	28634	78%	15.7	2.3	41400	32458	78%	16.6	2.5	46989	36886	79%	17.9	2.6
	77°F	32987	25565	78%	13.6	2.4	35204	27389	78%	14.1	2.5	39600	31046	78%	14.9	2.7	44946	35283	79%	16.1	2.8
	86°F	31487	24403	78%	12.2	2.6	33604	26144	78%	12.6	2.7	37800	29635	78%	13.4	2.8	42903	33679	79%	14.5	3.0
	95°F	29988	23241	78%	11.0	2.7	32004	24899	78%	11.3	2.8	36000	28224	78%	12.0	3.0	40860	32075	79%	12.9	3.2
	104°F	28489	22079	78%	9.2	3.1	30404	23654	78%	9.5	3.2	34200	26813	78%	10.1	3.4	38817	30471	79%	10.9	3.6
	113°F	26989	20917	78%	7.8	3.5	28804	22409	78%	8.0	3.6	32400	25402	78%	8.5	3.8	36774	28868	79%	9.2	4.0
	118°F	26090	20219	78%	6.8	3.8	27843	21662	78%	7.0	4.0	31320	24555	78%	7.5	4.2	35548	27905	79%	8.0	4.4
100%	-22°F	19760	15314	78%	15.2	1	21089	16407	78%	15.7	1	23722	18598	78%	16.6	1	26924	21136	79%	17.9	2
	-4°F	21022	16292	78%	15.2	1	22435	17454	78%	15.7	1	25236	19785	78%	16.6	2	28643	22485	79%	17.9	2
	5°F	22364	17332	78%	15.2	1	23867	18568	78%	15.7	2	26847	21048	78%	16.6	2	30471	23920	79%	17.9	2
	14°F	23791	18438	78%	15.2	2	25390	19754	78%	15.7	2	28561	22392	78%	16.6	2	32416	25447	79%	17.9	2
	23°F	25310	19615	78%	15.2	2	27011	21015	78%	15.7	2	30384	23821	78%	16.6	2	34485	27071	79%	17.9	2
	32°F	26925	20867	78%	15.2	2	28735	22356	78%	15.7	2	32323	25341	78%	16.6	2	36687	28799	79%	17.9	2
	41°F	28644	22199	78%	15.2	2	30569	23783	78%	15.7	2	34386	26959	78%	16.6	2	39028	30637	79%	17.9	2
	50°F	30472	23616	78%	15.2	2	32521	25301	78%	15.7	2	36581	28680	78%	16.6	2	41519	32593	79%	17.9	2
	59°F	32417	25123	78%	15.2	2	34596	26916	78%	15.7	2	38916	30510	78%	16.6	2	44170	34673	79%	17.9	2
	68°F	34486	26727	78%	15.2	2	36805	28634	78%	15.7	2	41400	32458	78%	16.6	2	46989	36886	79%	17.9	3
	77°F	32987	25565	78%	13.6	2	35204	27389	78%	14.1	2	39600	31046	78%	14.9	3	44946	35283	79%	16.1	3
	86°F	31487	24403	78%	12.2	3	33604	26144	78%	12.6	3	37800	29635	78%	13.4	3	42903	33679	79%	14.5	3
	95°F	29988	23241	78%	11.0	3	32004	24899	78%	11.3	3	36000	28224	78%	12.0	3	40860	32075	79%	12.9	3
	104°F	28489	22079	78%	9.2	3	30404	23654	78%	9.5	3	34200	26813	78%	10.1	3	38817	30471	79%	10.9	4
	113°F	26989	20917	78%	7.8	3	28804	22409	78%	8.0	4	32400	25402	78%	8.5	4	36774	28868	79%	9.2	4
	118°F	26090	20219	78%	6.8	4	27843	21662	78%	7.0	4	31320	24555	78%	7.5	4	35548	27905	79%	8.0	4



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	18575	14395	78%	15.0	1.2	19824	15423	78%	15.5	1.3	22299	17482	78%	16.4	1.4	25309	19868	79%	17.7	1.4
	-4°F	19760	15314	78%	15.0	1.3	21089	16407	78%	15.5	1.4	23722	18598	78%	16.4	1.4	26924	21136	79%	17.7	1.5
	5°F	21022	16292	78%	15.0	1.4	22435	17454	78%	15.5	1.4	25236	19785	78%	16.4	1.5	28643	22485	79%	17.7	1.6
	14°F	22364	17332	78%	15.0	1.5	23867	18568	78%	15.5	1.5	26847	21048	78%	16.4	1.6	30471	23920	79%	17.7	1.7
	23°F	23791	18438	78%	15.0	1.6	25390	19754	78%	15.5	1.6	28561	22392	78%	16.4	1.7	32416	25447	79%	17.7	1.8
	32°F	25310	19615	78%	15.0	1.7	27011	21015	78%	15.5	1.7	30384	23821	78%	16.4	1.8	34485	27071	79%	17.7	1.9
	41°F	26925	20867	78%	15.0	1.8	28735	22356	78%	15.5	1.9	32323	25341	78%	16.4	2.0	36687	28799	79%	17.7	2.1
	50°F	28644	22199	78%	15.0	1.9	30569	23783	78%	15.5	2.0	34386	26959	78%	16.4	2.1	39028	30637	79%	17.7	2.2
	59°F	30472	23616	78%	15.0	2.0	32521	25301	78%	15.5	2.1	36581	28680	78%	16.4	2.2	41519	32593	79%	17.7	2.3
	68°F	32417	25123	78%	15.0	2.2	34596	26916	78%	15.5	2.2	38916	30510	78%	16.4	2.4	44170	34673	79%	17.7	2.5
	77°F	31008	24031	78%	13.5	2.3	33092	25746	78%	13.9	2.4	37224	29184	78%	14.8	2.5	42249	33166	79%	16.0	2.6
	86°F	29598	22939	78%	12.1	2.4	31588	24575	78%	12.5	2.5	35532	27857	78%	13.3	2.7	40329	31658	79%	14.3	2.8
	95°F	28189	21846	78%	10.9	2.6	30084	23405	78%	11.2	2.7	33840	26531	78%	11.9	2.9	38408	30151	79%	12.8	3.0
	104°F	26779	20754	78%	9.1	2.9	28580	22235	78%	9.4	3.0	32148	25204	78%	10.0	3.2	36488	28643	79%	10.7	3.4
	113°F	25370	19662	78%	7.7	3.3	27075	21065	78%	8.0	3.4	30456	23878	78%	8.4	3.6	34568	27136	79%	9.1	3.8
	118°F	24524	19006	78%	6.7	3.6	26173	20362	78%	7.0	3.8	29441	23082	78%	7.4	4.0	33415	26231	79%	8.0	4.2
80%	-22°F	16204	12558	78%	14.6	1.1	17293	13454	78%	15.1	1.1	19452	15250	78%	16.0	1.2	22078	17331	79%	17.3	1.3
	-4°F	17238	13359	78%	14.6	1.2	18397	14313	78%	15.1	1.2	20694	16224	78%	16.0	1.3	23487	18438	79%	17.3	1.4
	5°F	18338	14212	78%	14.6	1.3	19571	15226	78%	15.1	1.3	22015	17259	78%	16.0	1.4	24986	19614	79%	17.3	1.4
	14°F	19509	15119	78%	14.6	1.3	20820	16198	78%	15.1	1.4	23420	18361	78%	16.0	1.5	26581	20866	79%	17.3	1.5
	23°F	20754	16084	78%	14.6	1.4	22149	17232	78%	15.1	1.5	24915	19533	78%	16.0	1.6	28278	22198	79%	17.3	1.6
	32°F	22079	17111	78%	14.6	1.5	23563	18332	78%	15.1	1.6	26505	20780	78%	16.0	1.7	30083	23615	79%	17.3	1.7
	41°F	23488	18203	78%	14.6	1.6	25067	19502	78%	15.1	1.7	28197	22106	78%	16.0	1.8	32003	25123	79%	17.3	1.9
	50°F	24987	19365	78%	14.6	1.7	26667	20747	78%	15.1	1.8	29996	23517	78%	16.0	1.9	34046	26726	79%	17.3	2.0
	59°F	26582	20601	78%	14.6	1.8	28369	22071	78%	15.1	1.9	31911	25018	78%	16.0	2.0	36219	28432	79%	17.3	2.1
	68°F	28279	21916	78%	14.6	1.9	30180	23480	78%	15.1	2.0	33948	26615	78%	16.0	2.1	38531	30247	79%	17.3	2.2
	77°F	27049	20963	78%	13.2	2.1	28868	22459	78%	13.6	2.1	32472	25458	78%	14.4	2.3	36856	28932	79%	15.6	2.4
	86°F	25820	20010	78%	11.8	2.2	27555	21438	78%	12.2	2.3	30996	24301	78%	12.9	2.4	35180	27617	79%	14.0	2.5
	95°F	24590	19057	78%	10.6	2.3	26243	20417	78%	10.9	2.4	29520	23144	78%	11.6	2.6	33505	26302	79%	12.5	2.7
	104°F	23361	18105	78%	8.9	2.6	24931	19396	78%	9.2	2.7	28044	21986	78%	9.7	2.9	31830	24987	79%	10.5	3.0
	113°F	22131	17152	78%	7.5	2.9	23619	18376	78%	7.8	3.0	26568	20829	78%	8.2	3.2	30155	23671	79%	8.9	3.4
	118°F	21393	16580	78%	6.6	3.3	22832	17763	78%	6.8	3.4	25682	20135	78%	7.2	3.6	29150	22882	79%	7.8	3.8



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	14227	11026	78%	14.6	1.0	15184	11813	78%	15.0	1.0	17080	13391	78%	16.0	1.1	19386	15218	79%	17.2	1.1
	-4°F	15136	11730	78%	14.6	1.0	16153	12567	78%	15.0	1.1	18170	14245	78%	16.0	1.1	20623	16189	79%	17.2	1.2
	5°F	16102	12479	78%	14.6	1.1	17184	13369	78%	15.0	1.1	19330	15155	78%	16.0	1.2	21939	17222	79%	17.2	1.3
	14°F	17130	13275	78%	14.6	1.2	18281	14223	78%	15.0	1.2	20564	16122	78%	16.0	1.3	23340	18322	79%	17.2	1.4
	23°F	18223	14123	78%	14.6	1.3	19448	15131	78%	15.0	1.3	21876	17151	78%	16.0	1.4	24829	19491	79%	17.2	1.4
	32°F	19386	15024	78%	14.6	1.3	20689	16096	78%	15.0	1.4	23273	18246	78%	16.0	1.5	26414	20735	79%	17.2	1.5
	41°F	20623	15983	78%	14.6	1.4	22010	17124	78%	15.0	1.5	24758	19410	78%	16.0	1.6	28100	22059	79%	17.2	1.6
	50°F	21940	17003	78%	14.6	1.5	23415	18217	78%	15.0	1.6	26338	20649	78%	16.0	1.7	29894	23467	79%	17.2	1.7
	59°F	23340	18089	78%	14.6	1.6	24909	19379	78%	15.0	1.7	28020	21967	78%	16.0	1.8	31802	24965	79%	17.2	1.8
	68°F	24830	19243	78%	14.6	1.7	26499	20616	78%	15.0	1.8	29808	23369	78%	16.0	1.9	33832	26558	79%	17.2	2.0
	77°F	23750	18407	78%	13.1	1.8	25347	19720	78%	13.5	1.9	28512	22353	78%	14.3	2.0	32361	25403	79%	15.5	2.1
	86°F	22671	17570	78%	11.8	1.9	24195	18824	78%	12.1	2.0	27216	21337	78%	12.9	2.1	30890	24249	79%	13.9	2.2
	95°F	21591	16733	78%	10.5	2.1	23043	17927	78%	10.9	2.1	25920	20321	78%	11.5	2.3	29419	23094	79%	12.4	2.4
	104°F	20512	15897	78%	8.8	2.3	21891	17031	78%	9.1	2.4	24624	19305	78%	9.7	2.6	27948	21939	79%	10.4	2.7
	113°F	19432	15060	78%	7.5	2.6	20739	16135	78%	7.7	2.7	23328	18289	78%	8.2	2.9	26477	20785	79%	8.8	3.0
	118°F	18784	14558	78%	6.5	2.9	20047	15597	78%	6.8	3.0	22550	17680	78%	7.2	3.2	25595	20092	79%	7.7	3.3
60%	-22°F	12251	9495	78%	14.5	0.8	13075	10172	78%	14.9	0.9	14708	11531	78%	15.9	0.9	16693	13104	79%	17.1	1.0
	-4°F	13033	10101	78%	14.5	0.9	13910	10822	78%	14.9	0.9	15646	12267	78%	15.9	1.0	17759	13941	79%	17.1	1.0
	5°F	13865	10746	78%	14.5	1.0	14798	11512	78%	14.9	1.0	16645	13050	78%	15.9	1.1	18892	14830	79%	17.1	1.1
	14°F	14750	11432	78%	14.5	1.0	15742	12247	78%	14.9	1.1	17708	13883	78%	15.9	1.1	20098	15777	79%	17.1	1.2
	23°F	15692	12161	78%	14.5	1.1	16747	13029	78%	14.9	1.1	18838	14769	78%	15.9	1.2	21381	16784	79%	17.1	1.3
	32°F	16694	12937	78%	14.5	1.2	17816	13861	78%	14.9	1.2	20040	15712	78%	15.9	1.3	22746	17855	79%	17.1	1.3
	41°F	17759	13763	78%	14.5	1.2	18953	14745	78%	14.9	1.3	21319	16714	78%	15.9	1.3	24198	18995	79%	17.1	1.4
	50°F	18893	14642	78%	14.5	1.3	20163	15687	78%	14.9	1.4	22680	17781	78%	15.9	1.4	25742	20208	79%	17.1	1.5
	59°F	20099	15576	78%	14.5	1.4	21450	16688	78%	14.9	1.4	24128	18916	78%	15.9	1.5	27385	21497	79%	17.1	1.6
	68°F	21381	16571	78%	14.5	1.5	22819	17753	78%	14.9	1.5	25668	20124	78%	15.9	1.6	29133	22870	79%	17.1	1.7
	77°F	20452	15850	78%	13.0	1.6	21827	16981	78%	13.4	1.6	24552	19249	78%	14.3	1.7	27867	21875	79%	15.4	1.8
	86°F	19522	15130	78%	11.7	1.7	20835	16209	78%	12.1	1.7	23436	18374	78%	12.8	1.8	26600	20881	79%	13.8	1.9
	95°F	18593	14409	78%	10.5	1.8	19842	15437	78%	10.8	1.8	22320	17499	78%	11.5	2.0	25333	19887	79%	12.4	2.1
	104°F	17663	13689	78%	8.8	2.0	18850	14666	78%	9.1	2.1	21204	16624	78%	9.6	2.2	24067	18892	79%	10.4	2.3
	113°F	16733	12968	78%	7.4	2.3	17858	13894	78%	7.7	2.3	20088	15749	78%	8.1	2.5	22800	17898	79%	8.8	2.6
	118°F	16176	12536	78%	6.5	2.5	17263	13431	78%	6.7	2.6	19418	15224	78%	7.1	2.7	22040	17301	79%	7.7	2.9



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	10275	7963	78%	14.4	0.7	10966	8532	78%	14.8	0.7	12335	9671	78%	15.7	0.8	14001	10991	79%	17.0	0.8
	-4°F	10931	8472	78%	14.4	0.8	11666	9076	78%	14.8	0.8	13123	10288	78%	15.7	0.8	14894	11692	79%	17.0	0.9
	5°F	11629	9013	78%	14.4	0.8	12411	9656	78%	14.8	0.8	13960	10945	78%	15.7	0.9	15845	12438	79%	17.0	0.9
	14°F	12371	9588	78%	14.4	0.9	13203	10272	78%	14.8	0.9	14852	11644	78%	15.7	0.9	16856	13232	79%	17.0	1.0
	23°F	13161	10200	78%	14.4	0.9	14046	10928	78%	14.8	0.9	15799	12387	78%	15.7	1.0	17932	14077	79%	17.0	1.1
	32°F	14001	10851	78%	14.4	1.0	14942	11625	78%	14.8	1.0	16808	13177	78%	15.7	1.1	19077	14975	79%	17.0	1.1
	41°F	14895	11543	78%	14.4	1.0	15896	12367	78%	14.8	1.1	17881	14019	78%	15.7	1.1	20295	15931	79%	17.0	1.2
	50°F	15845	12280	78%	14.4	1.1	16911	13157	78%	14.8	1.1	19022	14913	78%	15.7	1.2	21590	16948	79%	17.0	1.3
	59°F	16857	13064	78%	14.4	1.2	17990	13996	78%	14.8	1.2	20236	15865	78%	15.7	1.3	22968	18030	79%	17.0	1.4
	68°F	17933	13898	78%	14.4	1.3	19138	14890	78%	14.8	1.3	21528	16878	78%	15.7	1.4	24434	19181	79%	17.0	1.4
	77°F	17153	13294	78%	12.9	1.3	18306	14242	78%	13.3	1.4	20592	16144	78%	14.1	1.5	23372	18347	79%	15.2	1.5
	86°F	16373	12689	78%	11.6	1.4	17474	13595	78%	12.0	1.5	19656	15410	78%	12.7	1.6	22310	17513	79%	13.7	1.6
	95°F	15594	12085	78%	10.4	1.5	16642	12948	78%	10.7	1.6	18720	14676	78%	11.4	1.7	21247	16679	79%	12.2	1.7
	104°F	14814	11481	78%	8.7	1.7	15810	12300	78%	9.0	1.8	17784	13943	78%	9.5	1.9	20185	15845	79%	10.3	2.0
	113°F	14034	10877	78%	7.4	1.9	14978	11653	78%	7.6	2.0	16848	13209	78%	8.1	2.1	19122	15011	79%	8.7	2.2
	118°F	13567	10514	78%	6.4	2.1	14479	11264	78%	6.7	2.2	16286	12769	78%	7.1	2.3	18485	14511	79%	7.6	2.4



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	27000	1.6	4.9	26649	1.6	5	25974	1.5	5.1
	-5°F	-6°F	32400	1.9	5.0	31979	1.8	5	31169	1.8	5.2
	0°F	-1°F	34200	2.0	5.0	33755	1.9	5	32900	1.8	5.2
	5°F	3°F	36000	2.1	5.1	35532	2.0	5	34632	1.9	5.3
	7°F	5°F	36000	2.2	4.9	35532	2.1	5	34632	2.0	5.1
	17°F	15°F	36000	2.7	3.9	35532	2.6	4	34632	2.5	4.0
	28°F	26°F	36000	3.0	3.5	35532	2.9	4	34632	2.8	3.7
	38°F	35°F	36000	3.3	3.2	35532	3.1	3	34632	3.0	3.4
	47°F	43°F	36000	3.6	3.0	35532	3.4	3	34632	3.3	3.1
	57°F	52°F	37080	3.8	2.8	36598	3.7	3	35671	3.5	3.0
	68°F	63°F	38520	4.1	2.8	38019	3.9	3	37056	3.7	2.9
	77°F	71°F	39600	4.3	2.7	39085	4.1	3	38095	3.9	2.8
120%	-22°F	-22.5°F	27000	1.6	4.9	26649	1.6	5	25974	1.5	5.1
	-5°F	-6°F	32400	1.9	5.0	31979	1.8	5	31169	1.8	5.2
	0°F	-1°F	34200	2.0	5.0	33755	1.9	5	32900	1.8	5.2
	5°F	3°F	36000	2.1	5.1	35532	2.0	5	34632	1.9	5.3
	7°F	5°F	36000	2.2	4.9	35532	2.1	5	34632	2.0	5.1
	17°F	15°F	36000	2.7	3.9	35532	2.6	4	34632	2.5	4.0
	28°F	26°F	36000	3.0	3.5	35532	2.9	4	34632	2.8	3.7
	38°F	35°F	36000	3.3	3.2	35532	3.1	3	34632	3.0	3.4
	47°F	43°F	36000	3.6	3.0	35532	3.4	3	34632	3.3	3.1
	57°F	52°F	37080	3.8	2.8	36598	3.7	3	35671	3.5	3.0
	68°F	63°F	38520	4.1	2.8	38019	3.9	3	37056	3.7	2.9
	77°F	71°F	39600	4.3	2.7	39085	4.1	3	38095	3.9	2.8



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	27000	1.6	4.9	26649	1.6	5.0	25974	1.5	5.1
	-5°F	-6°F	32400	1.9	5.0	31979	1.8	5.1	31169	1.8	5.2
	0°F	-1°F	34200	2.0	5.0	33755	1.9	5.1	32900	1.8	5.2
	5°F	3°F	36000	2.1	5.1	35532	2.0	5.2	34632	1.9	5.3
	7°F	5°F	36000	2.2	4.9	35532	2.1	5.0	34632	2.0	5.1
	17°F	15°F	36000	2.7	3.9	35532	2.6	3.9	34632	2.5	4.0
	28°F	26°F	36000	3.0	3.5	35532	2.9	3.6	34632	2.8	3.7
	38°F	35°F	36000	3.3	3.2	35532	3.1	3.3	34632	3.0	3.4
	47°F	43°F	36000	3.6	3.0	35532	3.4	3.0	34632	3.3	3.1
	57°F	52°F	37080	3.8	2.8	36598	3.7	2.9	35671	3.5	3.0
	68°F	63°F	38520	4.1	2.8	38019	3.9	2.8	37056	3.7	2.9
	77°F	71°F	39600	4.3	2.7	39085	4.1	2.8	38095	3.9	2.8
100%	-22°F	-22.5°F	27000	1.6	4.9	26649	1.6	5.0	25974	1.5	5.1
	-5°F	-6°F	32400	1.9	5.0	31979	1.8	5.1	31169	1.8	5.2
	0°F	-1°F	34200	2.0	5.0	33755	1.9	5.1	32900	1.8	5.2
	5°F	3°F	36000	2.1	5.1	35532	2.0	5.2	34632	1.9	5.3
	7°F	5°F	36000	2.2	4.9	35532	2.1	5.0	34632	2.0	5.1
	17°F	15°F	36000	2.7	3.9	35532	2.6	3.9	34632	2.5	4.0
	28°F	26°F	36000	3.0	3.5	35532	2.9	3.6	34632	2.8	3.7
	38°F	35°F	36000	3.3	3.2	35532	3.1	3.3	34632	3.0	3.4
	47°F	43°F	36000	3.6	3.0	35532	3.4	3.0	34632	3.3	3.1
	57°F	52°F	37080	3.8	2.8	36598	3.7	2.9	35671	3.5	3.0
	68°F	63°F	38520	4.1	2.8	38019	3.9	2.8	37056	3.7	2.9
	77°F	71°F	39600	4.3	2.7	39085	4.1	2.8	38095	3.9	2.8



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	25650	1.6	5	25317	1.6	5	24675	1.5	5
	-5°F	-6°F	30780	1.9	5	30380	1.8	5	29610	1.7	5
	0°F	-1°F	32490	2.0	5	32068	1.9	5	31255	1.8	5
	5°F	3°F	34200	2.1	5	33755	2.0	5	32900	1.9	5
	7°F	5°F	34200	2.1	5	33755	2.1	5	32900	2.0	5
	17°F	15°F	34200	2.7	4	33755	2.6	4	32900	2.5	4
	28°F	26°F	34200	3.0	3	33755	2.9	3	32900	2.7	4
	38°F	35°F	34200	3.2	3	33755	3.1	3	32900	3.0	3
	47°F	43°F	34200	3.5	3	33755	3.4	3	32900	3.3	3
	57°F	52°F	35226	3.8	3	34768	3.7	3	33887	3.5	3
	68°F	63°F	36594	4.0	3	36118	3.9	3	35203	3.7	3
	77°F	71°F	37620	4.2	3	37131	4.1	3	36190	3.9	3
80%	-22°F	-22.5°F	22410	1.6	4	22119	1.5	4	21558	1.5	4
	-5°F	-6°F	26892	1.9	4	26542	1.8	4	25870	1.7	4
	0°F	-1°F	28386	2.0	4	28017	1.9	4	27307	1.8	4
	5°F	3°F	29880	2.0	4	29492	2.0	4	28745	1.9	4
	7°F	5°F	29880	2.1	4	29492	2.0	4	28745	1.9	4
	17°F	15°F	29880	2.7	3	29492	2.6	3	28745	2.5	3
	28°F	26°F	29880	2.9	3	29492	2.8	3	28745	2.7	3
	38°F	35°F	29880	3.2	3	29492	3.1	3	28745	2.9	3
	47°F	43°F	29880	3.5	3	29492	3.4	3	28745	3.2	3
	57°F	52°F	30776	3.8	2	30376	3.6	2	29607	3.5	3
	68°F	63°F	31972	4.0	2	31556	3.8	2	30757	3.7	2
	77°F	71°F	32868	4.2	2	32441	4.0	2	31619	3.8	2



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	19440	1.6	3.6	19187	1.5	4	18701	1.4	3.8
	-5°F	-6°F	23328	1.8	3.7	23025	1.8	4	22442	1.7	3.9
	0°F	-1°F	24624	1.9	3.8	24304	1.9	4	23688	1.8	3.9
	5°F	3°F	25920	2.0	3.8	25583	1.9	4	24935	1.9	4.0
	7°F	5°F	25920	2.1	3.7	25583	2.0	4	24935	1.9	3.8
	17°F	15°F	25920	2.6	2.9	25583	2.5	3	24935	2.4	3.0
	28°F	26°F	25920	2.9	2.6	25583	2.8	3	24935	2.7	2.8
	38°F	35°F	25920	3.1	2.4	25583	3.0	2	24935	2.9	2.5
	47°F	43°F	25920	3.4	2.2	25583	3.3	2	24935	3.2	2.3
	57°F	52°F	26698	3.7	2.1	26351	3.6	2	25683	3.4	2.2
	68°F	63°F	27734	3.9	2.1	27374	3.8	2	26680	3.6	2.2
	77°F	71°F	28512	4.1	2.0	28141	4.0	2	27429	3.8	2.1
60%	-22°F	-22.5°F	16740	1.6	3.2	16522	1.5	3	16104	1.4	3.3
	-5°F	-6°F	20088	1.8	3.2	19827	1.8	3	19325	1.7	3.4
	0°F	-1°F	21204	1.9	3.3	20928	1.8	3	20398	1.8	3.4
	5°F	3°F	22320	2.0	3.3	22030	1.9	3	21472	1.8	3.4
	7°F	5°F	22320	2.1	3.2	22030	2.0	3	21472	1.9	3.3
	17°F	15°F	22320	2.6	2.5	22030	2.5	3	21472	2.4	2.6
	28°F	26°F	22320	2.9	2.3	22030	2.8	2	21472	2.6	2.4
	38°F	35°F	22320	3.1	2.1	22030	3.0	2	21472	2.9	2.2
	47°F	43°F	22320	3.4	1.9	22030	3.3	2	21472	3.1	2.0
	57°F	52°F	22990	3.7	1.8	22691	3.5	2	22116	3.4	1.9
	68°F	63°F	23882	3.9	1.8	23572	3.7	2	22975	3.6	1.9
	77°F	71°F	24552	4.1	1.8	24233	3.9	2	23619	3.8	1.8



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	14040	1.5	2.7	13857	1.5	2.7	13506	1.4	2.8
	-5°F	-6°F	16848	1.8	2.7	16629	1.7	2.8	16208	1.7	2.9
	0°F	-1°F	17784	1.9	2.8	17553	1.8	2.8	17108	1.7	2.9
	5°F	3°F	18720	2.0	2.8	18477	1.9	2.8	18009	1.8	2.9
	7°F	5°F	18720	2.0	2.7	18477	2.0	2.7	18009	1.9	2.8
	17°F	15°F	18720	2.6	2.1	18477	2.5	2.2	18009	2.4	2.2
	28°F	26°F	18720	2.8	1.9	18477	2.7	2.0	18009	2.6	2.0
	38°F	35°F	18720	3.1	1.8	18477	3.0	1.8	18009	2.8	1.9
	47°F	43°F	18720	3.4	1.6	18477	3.3	1.7	18009	3.1	1.7
	57°F	52°F	19282	3.6	1.6	19031	3.5	1.6	18549	3.3	1.6
	68°F	63°F	20030	3.8	1.5	19770	3.7	1.6	19269	3.5	1.6
	77°F	71°F	20592	4.0	1.5	20324	3.9	1.5	19810	3.7	1.6



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	22624	17534	78%	16.8	1.3	24145	18785	78%	17.4	1.4	27160	21293	78%	18.4	1.5	30827	24199	79%	19.9	1.6
	-4°F	24068	18653	78%	16.8	1.4	25686	19984	78%	17.4	1.5	28894	22653	78%	18.4	1.6	32794	25743	79%	19.9	1.7
	5°F	25605	19844	78%	16.8	1.5	27326	21260	78%	17.4	1.6	30738	24098	78%	18.4	1.7	34887	27387	79%	19.9	1.8
	14°F	27239	21110	78%	16.8	1.6	29070	22617	78%	17.4	1.7	32700	25637	78%	18.4	1.8	37114	29135	79%	19.9	1.9
	23°F	28978	22458	78%	16.8	1.7	30926	24060	78%	17.4	1.8	34787	27273	78%	18.4	1.9	39483	30994	79%	19.9	2.0
	32°F	30827	23891	78%	16.8	1.8	32900	25596	78%	17.4	1.9	37008	29014	78%	18.4	2.0	42004	32973	79%	19.9	2.1
	41°F	32795	25416	78%	16.8	2.0	35000	27230	78%	17.4	2.0	39370	30866	78%	18.4	2.1	44685	35077	79%	19.9	2.2
	50°F	34888	27038	78%	16.8	2.1	37234	28968	78%	17.4	2.1	41883	32836	78%	18.4	2.3	47537	37316	79%	19.9	2.4
	59°F	37115	28764	78%	16.8	2.2	39610	30817	78%	17.4	2.3	44556	34932	78%	18.4	2.4	50571	39698	79%	19.9	2.5
	68°F	39484	30600	78%	16.8	2.3	42139	32784	78%	17.4	2.4	47400	37162	78%	18.4	2.6	53799	42232	79%	19.9	2.7
	77°F	37985	29438	78%	15.2	2.5	40538	31539	78%	15.7	2.6	45600	35750	78%	16.6	2.7	51756	40628	79%	18.0	2.9
	86°F	36485	28276	78%	13.7	2.7	38938	30294	78%	14.2	2.7	43800	34339	78%	15.0	2.9	49713	39025	79%	16.2	3.1
	95°F	34986	27114	78%	12.4	2.8	37338	29049	78%	12.8	2.9	42000	32928	78%	13.5	3.1	47670	37421	79%	14.6	3.3
	104°F	33487	25952	78%	10.6	3.2	35738	27804	78%	10.9	3.3	40200	31517	78%	11.6	3.5	45627	35817	79%	12.5	3.7
	113°F	31987	24790	78%	9.1	3.5	34138	26559	78%	9.4	3.6	38400	30106	78%	10.0	3.9	43584	34213	79%	10.8	4.1
	118°F	31088	24093	78%	7.9	3.9	33177	25812	78%	8.2	4.1	37320	29259	78%	8.7	4.3	42358	33251	79%	9.4	4.5
120%	-22°F	22624	17534	78%	16.8	1.3	24145	18785	78%	17.4	1.4	27160	21293	78%	18.4	1.5	30827	24199	79%	19.9	1.6
	-4°F	24068	18653	78%	16.8	1.4	25686	19984	78%	17.4	1.5	28894	22653	78%	18.4	1.6	32794	25743	79%	19.9	1.7
	5°F	25605	19844	78%	16.8	1.5	27326	21260	78%	17.4	1.6	30738	24098	78%	18.4	1.7	34887	27387	79%	19.9	1.8
	14°F	27239	21110	78%	16.8	1.6	29070	22617	78%	17.4	1.7	32700	25637	78%	18.4	1.8	37114	29135	79%	19.9	1.9
	23°F	28978	22458	78%	16.8	1.7	30926	24060	78%	17.4	1.8	34787	27273	78%	18.4	1.9	39483	30994	79%	19.9	2.0
	32°F	30827	23891	78%	16.8	1.8	32900	25596	78%	17.4	1.9	37008	29014	78%	18.4	2.0	42004	32973	79%	19.9	2.1
	41°F	32795	25416	78%	16.8	2.0	35000	27230	78%	17.4	2.0	39370	30866	78%	18.4	2.1	44685	35077	79%	19.9	2.2
	50°F	34888	27038	78%	16.8	2.1	37234	28968	78%	17.4	2.1	41883	32836	78%	18.4	2.3	47537	37316	79%	19.9	2.4
	59°F	37115	28764	78%	16.8	2.2	39610	30817	78%	17.4	2.3	44556	34932	78%	18.4	2.4	50571	39698	79%	19.9	2.5
	68°F	39484	30600	78%	16.8	2.3	42139	32784	78%	17.4	2.4	47400	37162	78%	18.4	2.6	53799	42232	79%	19.9	2.7
	77°F	37985	29438	78%	15.2	2.5	40538	31539	78%	15.7	2.6	45600	35750	78%	16.6	2.7	51756	40628	79%	18.0	2.9
	86°F	36485	28276	78%	13.7	2.7	38938	30294	78%	14.2	2.7	43800	34339	78%	15.0	2.9	49713	39025	79%	16.2	3.1
	95°F	34986	27114	78%	12.4	2.8	37338	29049	78%	12.8	2.9	42000	32928	78%	13.5	3.1	47670	37421	79%	14.6	3.3
	104°F	33487	25952	78%	10.6	3.2	35738	27804	78%	10.9	3.3	40200	31517	78%	11.6	3.5	45627	35817	79%	12.5	3.7
	113°F	31987	24790	78%	9.1	3.5	34138	26559	78%	9.4	3.6	38400	30106	78%	10.0	3.9	43584	34213	79%	10.8	4.1
	118°F	31088	24093	78%	7.9	3.9	33177	25812	78%	8.2	4.1	37320	29259	78%	8.7	4.3	42358	33251	79%	9.4	4.5



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)
110%	-22°F	22624	17534	78%	16.8	1.3	24145	18785	78%	17.4	1.4	27160	21293	78%	18.4	1.5	30827	24199	79%	19.9	1.6
	-4°F	24068	18653	78%	16.8	1.4	25686	19984	78%	17.4	1.5	28894	22653	78%	18.4	1.6	32794	25743	79%	19.9	1.7
	5°F	25605	19844	78%	16.8	1.5	27326	21260	78%	17.4	1.6	30738	24098	78%	18.4	1.7	34887	27387	79%	19.9	1.8
	14°F	27239	21110	78%	16.8	1.6	29070	22617	78%	17.4	1.7	32700	25637	78%	18.4	1.8	37114	29135	79%	19.9	1.9
	23°F	28978	22458	78%	16.8	1.7	30926	24060	78%	17.4	1.8	34787	27273	78%	18.4	1.9	39483	30994	79%	19.9	2.0
	32°F	30827	23891	78%	16.8	1.8	32900	25596	78%	17.4	1.9	37008	29014	78%	18.4	2.0	42004	32973	79%	19.9	2.1
	41°F	32795	25416	78%	16.8	2.0	35000	27230	78%	17.4	2.0	39370	30866	78%	18.4	2.1	44685	35077	79%	19.9	2.2
	50°F	34888	27038	78%	16.8	2.1	37234	28968	78%	17.4	2.1	41883	32836	78%	18.4	2.3	47537	37316	79%	19.9	2.4
	59°F	37115	28764	78%	16.8	2.2	39610	30817	78%	17.4	2.3	44556	34932	78%	18.4	2.4	50571	39698	79%	19.9	2.5
	68°F	39484	30600	78%	16.8	2.3	42139	32784	78%	17.4	2.4	47400	37162	78%	18.4	2.6	53799	42232	79%	19.9	2.7
	77°F	37985	29438	78%	15.2	2.5	40538	31539	78%	15.7	2.6	45600	35750	78%	16.6	2.7	51756	40628	79%	18.0	2.9
	86°F	36485	28276	78%	13.7	2.7	38938	30294	78%	14.2	2.7	43800	34339	78%	15.0	2.9	49713	39025	79%	16.2	3.1
	95°F	34986	27114	78%	12.4	2.8	37338	29049	78%	12.8	2.9	42000	32928	78%	13.5	3.1	47670	37421	79%	14.6	3.3
	104°F	33487	25952	78%	10.6	3.2	35738	27804	78%	10.9	3.3	40200	31517	78%	11.6	3.5	45627	35817	79%	12.5	3.7
	113°F	31987	24790	78%	9.1	3.5	34138	26559	78%	9.4	3.6	38400	30106	78%	10.0	3.9	43584	34213	79%	10.8	4.1
	118°F	31088	24093	78%	7.9	3.9	33177	25812	78%	8.2	4.1	37320	29259	78%	8.7	4.3	42358	33251	79%	9.4	4.5
100%	-22°F	22624	17534	78%	16.8	1	24145	18785	78%	17.4	1	27160	21293	78%	18.4	1	30827	24199	79%	19.9	2
	-4°F	24068	18653	78%	16.8	1	25686	19984	78%	17.4	1	28894	22653	78%	18.4	2	32794	25743	79%	19.9	2
	5°F	25605	19844	78%	16.8	2	27326	21260	78%	17.4	2	30738	24098	78%	18.4	2	34887	27387	79%	19.9	2
	14°F	27239	21110	78%	16.8	2	29070	22617	78%	17.4	2	32700	25637	78%	18.4	2	37114	29135	79%	19.9	2
	23°F	28978	22458	78%	16.8	2	30926	24060	78%	17.4	2	34787	27273	78%	18.4	2	39483	30994	79%	19.9	2
	32°F	30827	23891	78%	16.8	2	32900	25596	78%	17.4	2	37008	29014	78%	18.4	2	42004	32973	79%	19.9	2
	41°F	32795	25416	78%	16.8	2	35000	27230	78%	17.4	2	39370	30866	78%	18.4	2	44685	35077	79%	19.9	2
	50°F	34888	27038	78%	16.8	2	37234	28968	78%	17.4	2	41883	32836	78%	18.4	2	47537	37316	79%	19.9	2
	59°F	37115	28764	78%	16.8	2	39610	30817	78%	17.4	2	44556	34932	78%	18.4	2	50571	39698	79%	19.9	3
	68°F	39484	30600	78%	16.8	2	42139	32784	78%	17.4	2	47400	37162	78%	18.4	3	53799	42232	79%	19.9	3
	77°F	37985	29438	78%	15.2	2	40538	31539	78%	15.7	3	45600	35750	78%	16.6	3	51756	40628	79%	18.0	3
	86°F	36485	28276	78%	13.7	3	38938	30294	78%	14.2	3	43800	34339	78%	15.0	3	49713	39025	79%	16.2	3
	95°F	34986	27114	78%	12.4	3	37338	29049	78%	12.8	3	42000	32928	78%	13.5	3	47670	37421	79%	14.6	3
	104°F	33487	25952	78%	10.6	3	35738	27804	78%	10.9	3	40200	31517	78%	11.6	3	45627	35817	79%	12.5	4
	113°F	31987	24790	78%	9.1	4	34138	26559	78%	9.4	4	38400	30106	78%	10.0	4	43584	34213	79%	10.8	4
	118°F	31088	24093	78%	7.9	4	33177	25812	78%	8.2	4	37320	29259	78%	8.7	4	42358	33251	79%	9.4	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)
90%	-22°F	21267	16482	78%	16.6	1.3	22696	17658	78%	17.2	1.3	25530	20016	78%	18.2	1.4	28977	22747	79%	19.7	1.5
	-4°F	22624	17534	78%	16.6	1.4	24145	18785	78%	17.2	1.4	27160	21293	78%	18.2	1.5	30827	24199	79%	19.7	1.6
	5°F	24068	18653	78%	16.6	1.4	25686	19984	78%	17.2	1.5	28894	22653	78%	18.2	1.6	32794	25743	79%	19.7	1.7
	14°F	25605	19844	78%	16.6	1.5	27326	21260	78%	17.2	1.6	30738	24098	78%	18.2	1.7	34887	27387	79%	19.7	1.8
	23°F	27239	21110	78%	16.6	1.6	29070	22617	78%	17.2	1.7	32700	25637	78%	18.2	1.8	37114	29135	79%	19.7	1.9
	32°F	28978	22458	78%	16.6	1.7	30926	24060	78%	17.2	1.8	34787	27273	78%	18.2	1.9	39483	30994	79%	19.7	2.0
	41°F	30827	23891	78%	16.6	1.9	32900	25596	78%	17.2	1.9	37008	29014	78%	18.2	2.0	42004	32973	79%	19.7	2.1
	50°F	32795	25416	78%	16.6	2.0	35000	27230	78%	17.2	2.0	39370	30866	78%	18.2	2.2	44685	35077	79%	19.7	2.3
	59°F	34888	27038	78%	16.6	2.1	37234	28968	78%	17.2	2.2	41883	32836	78%	18.2	2.3	47537	37316	79%	19.7	2.4
	68°F	37115	28764	78%	16.6	2.2	39610	30817	78%	17.2	2.3	44556	34932	78%	18.2	2.4	50571	39698	79%	19.7	2.6
	77°F	35706	27672	78%	15.1	2.4	38106	29647	78%	15.5	2.5	42864	33605	78%	16.5	2.6	48651	38191	79%	17.8	2.7
	86°F	34296	26580	78%	13.6	2.5	36602	28476	78%	14.0	2.6	41172	32279	78%	14.9	2.8	46730	36683	79%	16.1	2.9
	95°F	32887	25487	78%	12.2	2.7	35098	27306	78%	12.6	2.8	39480	30952	78%	13.4	2.9	44810	35176	79%	14.5	3.1
	104°F	31477	24395	78%	10.5	3.0	33594	26136	78%	10.8	3.1	37788	29626	78%	11.5	3.3	42889	33668	79%	12.4	3.5
	113°F	30068	23303	78%	9.0	3.3	32089	24966	78%	9.3	3.4	36096	28299	78%	9.9	3.7	40969	32161	79%	10.7	3.8
	118°F	29222	22647	78%	7.8	3.7	31187	24263	78%	8.1	3.9	35081	27503	78%	8.6	4.1	39817	31256	79%	9.3	4.3
80%	-22°F	18552	14378	78%	16.2	1.1	19799	15404	78%	16.7	1.2	22271	17461	78%	17.8	1.3	25278	19843	79%	19.2	1.3
	-4°F	19736	15295	78%	16.2	1.2	21063	16387	78%	16.7	1.3	23693	18575	78%	17.8	1.3	26891	21110	79%	19.2	1.4
	5°F	20996	16272	78%	16.2	1.3	22407	17433	78%	16.7	1.3	25205	19761	78%	17.8	1.4	28608	22457	79%	19.2	1.5
	14°F	22336	17310	78%	16.2	1.4	23838	18546	78%	16.7	1.4	26814	21022	78%	17.8	1.5	30434	23890	79%	19.2	1.6
	23°F	23762	18415	78%	16.2	1.5	25359	19729	78%	16.7	1.5	28525	22364	78%	17.8	1.6	32376	25415	79%	19.2	1.7
	32°F	25278	19591	78%	16.2	1.6	26978	20989	78%	16.7	1.6	30346	23791	78%	17.8	1.7	34443	27038	79%	19.2	1.8
	41°F	26892	20841	78%	16.2	1.7	28700	22328	78%	16.7	1.7	32283	25310	78%	17.8	1.8	36641	28763	79%	19.2	1.9
	50°F	28608	22171	78%	16.2	1.8	30532	23754	78%	16.7	1.8	34344	26926	78%	17.8	1.9	38980	30599	79%	19.2	2.0
	59°F	30434	23587	78%	16.2	1.9	32480	25270	78%	16.7	1.9	36536	28644	78%	17.8	2.1	41468	32553	79%	19.2	2.2
	68°F	32377	25092	78%	16.2	2.0	34554	26883	78%	16.7	2.1	38868	30473	78%	17.8	2.2	44115	34630	79%	19.2	2.3
	77°F	31148	24139	78%	14.7	2.1	33241	25862	78%	15.1	2.2	37392	29315	78%	16.1	2.3	42440	33315	79%	17.3	2.4
	86°F	29918	23186	78%	13.2	2.3	31929	24841	78%	13.7	2.3	35916	28158	78%	14.5	2.5	40765	32000	79%	15.6	2.6
	95°F	28689	22234	78%	11.9	2.4	30617	23820	78%	12.3	2.5	34440	27001	78%	13.1	2.6	39089	30685	79%	14.1	2.8
	104°F	27459	21281	78%	10.2	2.7	29305	22799	78%	10.5	2.8	32964	25844	78%	11.2	3.0	37414	29370	79%	12.0	3.1
	113°F	26230	20328	78%	8.8	3.0	27993	21778	78%	9.1	3.1	31488	24687	78%	9.6	3.3	35739	28055	79%	10.4	3.4
	118°F	25492	19756	78%	7.7	3.3	27206	21166	78%	7.9	3.4	30602	23992	78%	8.4	3.7	34734	27266	79%	9.0	3.8



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	16289	12624	78%	16.1	1.0	17385	13525	78%	16.7	1.0	19555	15331	78%	17.7	1.1	22195	17423	79%	19.1	1.2
	-4°F	17329	13430	78%	16.1	1.1	18494	14388	78%	16.7	1.1	20803	16310	78%	17.7	1.2	23612	18535	79%	19.1	1.2
	5°F	18435	14287	78%	16.1	1.1	19675	15307	78%	16.7	1.2	22131	17351	78%	17.7	1.3	25119	19718	79%	19.1	1.3
	14°F	19612	15199	78%	16.1	1.2	20931	16284	78%	16.7	1.3	23544	18458	78%	17.7	1.3	26722	20977	79%	19.1	1.4
	23°F	20864	16170	78%	16.1	1.3	22266	17323	78%	16.7	1.3	25047	19637	78%	17.7	1.4	28428	22316	79%	19.1	1.5
	32°F	22196	17202	78%	16.1	1.4	23688	18429	78%	16.7	1.4	26645	20890	78%	17.7	1.5	30243	23740	79%	19.1	1.6
	41°F	23612	18300	78%	16.1	1.5	25200	19605	78%	16.7	1.5	28346	22223	78%	17.7	1.6	32173	25256	79%	19.1	1.7
	50°F	25120	19468	78%	16.1	1.6	26808	20857	78%	16.7	1.6	30156	23642	78%	17.7	1.7	34226	26868	79%	19.1	1.8
	59°F	26723	20710	78%	16.1	1.7	28519	22188	78%	16.7	1.7	32080	25151	78%	17.7	1.8	36411	28583	79%	19.1	1.9
	68°F	28429	22032	78%	16.1	1.8	30340	23604	78%	16.7	1.8	34128	26756	78%	17.7	1.9	38735	30407	79%	19.1	2.0
	77°F	27349	21196	78%	14.6	1.9	29188	22708	78%	15.1	1.9	32832	25740	78%	16.0	2.1	37264	29252	79%	17.2	2.2
	86°F	26269	20359	78%	13.2	2.0	28036	21812	78%	13.6	2.1	31536	24724	78%	14.4	2.2	35793	28098	79%	15.6	2.3
	95°F	25190	19522	78%	11.9	2.1	26883	20915	78%	12.3	2.2	30240	23708	78%	13.0	2.3	34322	26943	79%	14.0	2.4
	104°F	24110	18686	78%	10.1	2.4	25731	20019	78%	10.5	2.5	28944	22692	78%	11.1	2.6	32851	25788	79%	12.0	2.7
	113°F	23031	17849	78%	8.8	2.6	24579	19123	78%	9.0	2.7	27648	21676	78%	9.6	2.9	31380	24634	79%	10.3	3.0
	118°F	22383	17347	78%	7.6	2.9	23888	18585	78%	7.9	3.0	26870	21066	78%	8.3	3.2	30498	23941	79%	9.0	3.4
60%	-22°F	14027	10871	78%	16.0	0.9	14970	11647	78%	16.6	0.9	16839	13202	78%	17.6	1.0	19112	15003	79%	18.9	1.0
	-4°F	14922	11565	78%	16.0	0.9	15926	12390	78%	16.6	1.0	17914	14045	78%	17.6	1.0	20332	15961	79%	18.9	1.1
	5°F	15875	12303	78%	16.0	1.0	16942	13181	78%	16.6	1.0	19057	14941	78%	17.6	1.1	21630	16980	79%	18.9	1.1
	14°F	16888	13088	78%	16.0	1.1	18023	14022	78%	16.6	1.1	20274	15895	78%	17.6	1.2	23011	18064	79%	18.9	1.2
	23°F	17966	13924	78%	16.0	1.1	19174	14917	78%	16.6	1.2	21568	16909	78%	17.6	1.2	24480	19217	79%	18.9	1.3
	32°F	19113	14812	78%	16.0	1.2	20398	15869	78%	16.6	1.2	22945	17989	78%	17.6	1.3	26042	20443	79%	18.9	1.4
	41°F	20333	15758	78%	16.0	1.3	21700	16882	78%	16.6	1.3	24409	19137	78%	17.6	1.4	27704	21748	79%	18.9	1.5
	50°F	21631	16764	78%	16.0	1.3	23085	17960	78%	16.6	1.4	25967	20358	78%	17.6	1.5	29473	23136	79%	18.9	1.6
	59°F	23011	17834	78%	16.0	1.4	24558	19106	78%	16.6	1.5	27625	21658	78%	17.6	1.6	31354	24613	79%	18.9	1.7
	68°F	24480	18972	78%	16.0	1.5	26126	20326	78%	16.6	1.6	29388	23040	78%	17.6	1.7	33355	26184	79%	18.9	1.8
	77°F	23551	18252	78%	14.5	1.6	25134	19554	78%	15.0	1.7	28272	22165	78%	15.9	1.8	32089	25190	79%	17.1	1.9
	86°F	22621	17531	78%	13.1	1.7	24142	18782	78%	13.5	1.8	27156	21290	78%	14.3	1.9	30822	24195	79%	15.5	2.0
	95°F	21691	16811	78%	11.8	1.8	23150	18010	78%	12.2	1.9	26040	20415	78%	12.9	2.0	29555	23201	79%	13.9	2.1
	104°F	20762	16090	78%	10.1	2.1	22157	17238	78%	10.4	2.1	24924	19540	78%	11.0	2.3	28289	22207	79%	11.9	2.4
	113°F	19832	15370	78%	8.7	2.3	21165	16467	78%	9.0	2.4	23808	18665	78%	9.5	2.5	27022	21212	79%	10.3	2.6
	118°F	19274	14938	78%	7.6	2.5	20570	16003	78%	7.8	2.6	23138	18141	78%	8.3	2.8	26262	20616	79%	8.9	2.9



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	11765	9118	78%	15.9	0.7	12556	9768	78%	16.4	0.8	14123	11073	78%	17.4	0.8	16030	12583	79%	18.8	0.9
	-4°F	12516	9700	78%	15.9	0.8	13357	10392	78%	16.4	0.8	15025	11779	78%	17.4	0.9	17053	13387	79%	18.8	0.9
	5°F	13314	10319	78%	15.9	0.8	14209	11055	78%	16.4	0.9	15984	12531	78%	17.4	0.9	18141	14241	79%	18.8	1.0
	14°F	14164	10977	78%	15.9	0.9	15116	11761	78%	16.4	0.9	17004	13331	78%	17.4	1.0	19299	15150	79%	18.8	1.0
	23°F	15068	11678	78%	15.9	0.9	16081	12511	78%	16.4	1.0	18089	14182	78%	17.4	1.0	20531	16117	79%	18.8	1.1
	32°F	16030	12423	78%	15.9	1.0	17108	13310	78%	16.4	1.0	19244	15087	78%	17.4	1.1	21842	17146	79%	18.8	1.2
	41°F	17053	13216	78%	15.9	1.1	18200	14159	78%	16.4	1.1	20472	16050	78%	17.4	1.2	23236	18240	79%	18.8	1.2
	50°F	18142	14060	78%	15.9	1.1	19362	15063	78%	16.4	1.2	21779	17075	78%	17.4	1.3	24719	19405	79%	18.8	1.3
	59°F	19300	14957	78%	15.9	1.2	20597	16025	78%	16.4	1.3	23169	18165	78%	17.4	1.3	26297	20643	79%	18.8	1.4
	68°F	20532	15912	78%	15.9	1.3	21912	17048	78%	16.4	1.3	24648	19324	78%	17.4	1.4	27975	21961	79%	18.8	1.5
	77°F	19752	15308	78%	14.4	1.4	21080	16400	78%	14.8	1.4	23712	18590	78%	15.7	1.5	26913	21127	79%	17.0	1.6
	86°F	18972	14704	78%	13.0	1.5	20248	15753	78%	13.4	1.5	22776	17856	78%	14.2	1.6	25851	20293	79%	15.3	1.7
	95°F	18193	14099	78%	11.7	1.6	19416	15105	78%	12.1	1.6	21840	17123	78%	12.8	1.7	24788	19459	79%	13.8	1.8
	104°F	17413	13495	78%	10.0	1.7	18584	14458	78%	10.3	1.8	20904	16389	78%	10.9	1.9	23726	18625	79%	11.8	2.0
	113°F	16633	12891	78%	8.6	1.9	17752	13811	78%	8.9	2.0	19968	15655	78%	9.4	2.1	22664	17791	79%	10.2	2.2
	118°F	16166	12528	78%	7.5	2.2	17252	13422	78%	7.7	2.2	19406	15215	78%	8.2	2.4	22026	17291	79%	8.9	2.5



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	28000	1.6	5.0	27636	1.6	5	26936	1.5	5.2
	-5°F	-6°F	33880	2.0	5.1	33440	1.9	5	32593	1.8	5.3
	0°F	-1°F	35840	2.1	5.1	35374	2.0	5	34478	1.9	5.4
	5°F	3°F	37800	2.2	5.2	37309	2.1	5	36364	2.0	5.4
	7°F	5°F	38114	2.2	5.0	37619	2.1	5	36666	2.0	5.2
	17°F	15°F	40000	2.8	4.3	39480	2.7	4	38480	2.5	4.4
	28°F	26°F	40750	3.1	3.8	40220	3.0	4	39202	2.9	4.0
	38°F	35°F	41375	3.5	3.5	40837	3.4	4	39803	3.2	3.7
	47°F	43°F	42000	3.9	3.2	41454	3.8	3	40404	3.6	3.3
	57°F	52°F	43260	4.2	3.0	42698	4.1	3	41616	3.9	3.1
	68°F	63°F	44940	4.4	3.0	44356	4.3	3	43232	4.1	3.1
	77°F	71°F	46200	4.7	2.9	45599	4.5	3	44444	4.3	3.0
120%	-22°F	-22.5°F	28000	1.6	5.0	27636	1.6	5	26936	1.5	5.2
	-5°F	-6°F	33880	2.0	5.1	33440	1.9	5	32593	1.8	5.3
	0°F	-1°F	35840	2.1	5.1	35374	2.0	5	34478	1.9	5.4
	5°F	3°F	37800	2.2	5.2	37309	2.1	5	36364	2.0	5.4
	7°F	5°F	38114	2.2	5.0	37619	2.1	5	36666	2.0	5.2
	17°F	15°F	40000	2.8	4.3	39480	2.7	4	38480	2.5	4.4
	28°F	26°F	40750	3.1	3.8	40220	3.0	4	39202	2.9	4.0
	38°F	35°F	41375	3.5	3.5	40837	3.4	4	39803	3.2	3.7
	47°F	43°F	42000	3.9	3.2	41454	3.8	3	40404	3.6	3.3
	57°F	52°F	43260	4.2	3.0	42698	4.1	3	41616	3.9	3.1
	68°F	63°F	44940	4.4	3.0	44356	4.3	3	43232	4.1	3.1
	77°F	71°F	46200	4.7	2.9	45599	4.5	3	44444	4.3	3.0



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	28000	1.6	5.0	27636	1.6	5.1	26936	1.5	5.2
	-5°F	-6°F	33880	2.0	5.1	33440	1.9	5.2	32593	1.8	5.3
	0°F	-1°F	35840	2.1	5.1	35374	2.0	5.2	34478	1.9	5.4
	5°F	3°F	37800	2.2	5.2	37309	2.1	5.3	36364	2.0	5.4
	7°F	5°F	38114	2.2	5.0	37619	2.1	5.1	36666	2.0	5.2
	17°F	15°F	40000	2.8	4.3	39480	2.7	4.3	38480	2.5	4.4
	28°F	26°F	40750	3.1	3.8	40220	3.0	3.9	39202	2.9	4.0
	38°F	35°F	41375	3.5	3.5	40837	3.4	3.6	39803	3.2	3.7
	47°F	43°F	42000	3.9	3.2	41454	3.8	3.2	40404	3.6	3.3
	57°F	52°F	43260	4.2	3.0	42698	4.1	3.1	41616	3.9	3.1
	68°F	63°F	44940	4.4	3.0	44356	4.3	3.0	43232	4.1	3.1
	77°F	71°F	46200	4.7	2.9	45599	4.5	3.0	44444	4.3	3.0
100%	-22°F	-22.5°F	28000	1.6	5.0	27636	1.6	5.1	26936	1.5	5.2
	-5°F	-6°F	33880	2.0	5.1	33440	1.9	5.2	32593	1.8	5.3
	0°F	-1°F	35840	2.1	5.1	35374	2.0	5.2	34478	1.9	5.4
	5°F	3°F	37800	2.2	5.2	37309	2.1	5.3	36364	2.0	5.4
	7°F	5°F	38114	2.2	5.0	37619	2.1	5.1	36666	2.0	5.2
	17°F	15°F	40000	2.8	4.3	39480	2.7	4.3	38480	2.5	4.4
	28°F	26°F	40750	3.1	3.8	40220	3.0	3.9	39202	2.9	4.0
	38°F	35°F	41375	3.5	3.5	40837	3.4	3.6	39803	3.2	3.7
	47°F	43°F	42000	3.9	3.2	41454	3.8	3.2	40404	3.6	3.3
	57°F	52°F	43260	4.2	3.0	42698	4.1	3.1	41616	3.9	3.1
	68°F	63°F	44940	4.4	3.0	44356	4.3	3.0	43232	4.1	3.1
	77°F	71°F	46200	4.7	2.9	45599	4.5	3.0	44444	4.3	3.0



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	26600	1.6	5	26254	1.6	5	25589	1.5	5
	-5°F	-6°F	32186	1.9	5	31768	1.9	5	30963	1.8	5
	0°F	-1°F	34048	2.0	5	33605	2.0	5	32754	1.9	5
	5°F	3°F	35910	2.1	5	35443	2.1	5	34545	2.0	5
	7°F	5°F	36209	2.2	5	35738	2.1	5	34833	2.0	5
	17°F	15°F	38000	2.7	4	37506	2.6	4	36556	2.5	4
	28°F	26°F	38713	3.1	4	38209	3.0	4	37241	2.8	4
	38°F	35°F	39306	3.4	3	38795	3.3	3	37813	3.2	4
	47°F	43°F	39900	3.9	3	39381	3.7	3	38384	3.6	3
	57°F	52°F	41097	4.2	3	40563	4.0	3	39535	3.8	3
	68°F	63°F	42693	4.4	3	42138	4.3	3	41071	4.1	3
	77°F	71°F	43890	4.6	3	43319	4.5	3	42222	4.3	3
80%	-22°F	-22.5°F	23240	1.6	4	22938	1.6	4	22357	1.5	4
	-5°F	-6°F	28120	1.9	4	27755	1.8	4	27052	1.8	5
	0°F	-1°F	29747	2.0	4	29360	1.9	4	28617	1.8	5
	5°F	3°F	31374	2.1	4	30966	2.0	4	30182	1.9	5
	7°F	5°F	31635	2.2	4	31224	2.1	4	30433	2.0	4
	17°F	15°F	33200	2.7	4	32768	2.6	4	31938	2.5	4
	28°F	26°F	33823	3.0	3	33383	2.9	3	32537	2.8	3
	38°F	35°F	34341	3.4	3	33895	3.3	3	33036	3.1	3
	47°F	43°F	34860	3.8	3	34407	3.7	3	33535	3.5	3
	57°F	52°F	35906	4.1	3	35439	4.0	3	34541	3.8	3
	68°F	63°F	37300	4.3	3	36815	4.2	3	35883	4.0	3
	77°F	71°F	38346	4.6	2	37848	4.4	3	36889	4.2	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									
70%	-22°F	-22.5°F	20160	1.6	3.8	19898	1.5	4	19394	1.5	3.9
	-5°F	-6°F	24394	1.9	3.8	24076	1.8	4	23467	1.7	4.0
	0°F	-1°F	25805	2.0	3.8	25469	1.9	4	24824	1.8	4.0
	5°F	3°F	27216	2.1	3.9	26862	2.0	4	26182	1.9	4.0
	7°F	5°F	27442	2.1	3.8	27086	2.1	4	26399	2.0	3.9
	17°F	15°F	28800	2.7	3.2	28426	2.6	3	27706	2.4	3.3
	28°F	26°F	29340	3.0	2.9	28959	2.9	3	28225	2.8	3.0
	38°F	35°F	29790	3.3	2.6	29403	3.2	3	28658	3.1	2.7
	47°F	43°F	30240	3.8	2.4	29847	3.6	2	29091	3.5	2.5
	57°F	52°F	31147	4.0	2.3	30742	3.9	2	29964	3.7	2.4
	68°F	63°F	32357	4.3	2.2	31936	4.1	2	31127	3.9	2.3
	77°F	71°F	33264	4.5	2.2	32832	4.3	2	32000	4.1	2.3
60%	-22°F	-22.5°F	17360	1.6	3.3	17134	1.5	3	16700	1.4	3.4
	-5°F	-6°F	21006	1.9	3.3	20733	1.8	3	20207	1.7	3.5
	0°F	-1°F	22221	2.0	3.3	21932	1.9	3	21376	1.8	3.5
	5°F	3°F	23436	2.1	3.3	23131	2.0	3	22545	1.9	3.5
	7°F	5°F	23631	2.1	3.3	23324	2.1	3	22733	2.0	3.4
	17°F	15°F	24800	2.6	2.8	24478	2.5	3	23858	2.4	2.9
	28°F	26°F	25265	3.0	2.5	24937	2.9	3	24305	2.7	2.6
	38°F	35°F	25653	3.3	2.3	25319	3.2	2	24678	3.1	2.4
	47°F	43°F	26040	3.7	2.0	25701	3.6	2	25050	3.4	2.1
	57°F	52°F	26821	4.0	2.0	26473	3.9	2	25802	3.7	2.0
	68°F	63°F	27863	4.2	1.9	27501	4.1	2	26804	3.9	2.0
	77°F	71°F	28644	4.5	1.9	28272	4.3	2	27556	4.1	2.0



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	14560	1.6	2.8	14371	1.5	2.8	14007	1.4	2.9
	-5°F	-6°F	17618	1.8	2.8	17389	1.8	2.9	16948	1.7	2.9
	0°F	-1°F	18637	1.9	2.8	18395	1.9	2.9	17929	1.8	2.9
	5°F	3°F	19656	2.0	2.8	19400	2.0	2.9	18909	1.9	3.0
	7°F	5°F	19819	2.1	2.8	19562	2.0	2.8	19066	1.9	2.9
	17°F	15°F	20800	2.6	2.3	20530	2.5	2.4	20010	2.4	2.4
	28°F	26°F	21190	2.9	2.1	20915	2.8	2.2	20385	2.7	2.2
	38°F	35°F	21515	3.3	1.9	21235	3.2	2.0	20697	3.0	2.0
	47°F	43°F	21840	3.7	1.7	21556	3.6	1.8	21010	3.4	1.8
	57°F	52°F	22495	4.0	1.7	22203	3.9	1.7	21640	3.7	1.7
	68°F	63°F	23369	4.2	1.6	23065	4.1	1.7	22481	3.9	1.7
	77°F	71°F	24024	4.4	1.6	23712	4.3	1.6	23111	4.1	1.7





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.

TOSOTCOMFORT.COM