



EXTENDED RATINGS

Cooling Performance

MUL18HP230V1R32AO
MUL24HP230V1R32AO
MUL30HP230V1R32AO
MUL36HP230V1R32AO
MUL42HP230V1R32AO

Heating Performance

MUL18HP230V1R32AO
MUL24HP230V1R32AO
MUL30HP230V1R32AO
MUL36HP230V1R32AO
MUL42HP230V1R32AO

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Please go through this Extended Ratings to design
your project and retain it for future reference.

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<https://www.greecomfort.com/our-products/multi-r32/>

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



HEATING PERFORMANCE

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



HEATING PERFORMANCE

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



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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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	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	20900	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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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	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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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)
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)		
	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)
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	





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