

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
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	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
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	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
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	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

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		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

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		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

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		TC (Kbtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
70%	-22°F	14227	11026	78%	14.6	1.0	15184	11813	78%	15.0	1.0	17080	13391	78%	16.0	1.1	19386	15218	79%	17.2	1.1
	-4°F	15136	11730	78%	14.6	1.0	16153	12567	78%	15.0	1.1	18170	14245	78%	16.0	1.1	20623	16189	79%	17.2	1.2
	5°F	16102	12479	78%	14.6	1.1	17184	13369	78%	15.0	1.1	19330	15155	78%	16.0	1.2	21939	17222	79%	17.2	1.3
	14°F	17130	13275	78%	14.6	1.2	18281	14223	78%	15.0	1.2	20564	16122	78%	16.0	1.3	23340	18322	79%	17.2	1.4
	23°F	18223	14123	78%	14.6	1.3	19448	15131	78%	15.0	1.3	21876	17151	78%	16.0	1.4	24829	19491	79%	17.2	1.4
	32°F	19386	15024	78%	14.6	1.3	20689	16096	78%	15.0	1.4	23273	18246	78%	16.0	1.5	26414	20735	79%	17.2	1.5
	41°F	20623	15983	78%	14.6	1.4	22010	17124	78%	15.0	1.5	24758	19410	78%	16.0	1.6	28100	22059	79%	17.2	1.6
	50°F	21940	17003	78%	14.6	1.5	23415	18217	78%	15.0	1.6	26338	20649	78%	16.0	1.7	29894	23467	79%	17.2	1.7
	59°F	23340	18089	78%	14.6	1.6	24909	19379	78%	15.0	1.7	28020	21967	78%	16.0	1.8	31802	24965	79%	17.2	1.8
	68°F	24830	19243	78%	14.6	1.7	26499	20616	78%	15.0	1.8	29808	23369	78%	16.0	1.9	33832	26558	79%	17.2	2.0
	77°F	23750	18407	78%	13.1	1.8	25347	19720	78%	13.5	1.9	28512	22353	78%	14.3	2.0	32361	25403	79%	15.5	2.1
	86°F	22671	17570	78%	11.8	1.9	24195	18824	78%	12.1	2.0	27216	21337	78%	12.9	2.1	30890	24249	79%	13.9	2.2
	95°F	21591	16733	78%	10.5	2.1	23043	17927	78%	10.9	2.1	25920	20321	78%	11.5	2.3	29419	23094	79%	12.4	2.4
	104°F	20512	15897	78%	8.8	2.3	21891	17031	78%	9.1	2.4	24624	19305	78%	9.7	2.6	27948	21939	79%	10.4	2.7
	113°F	19432	15060	78%	7.5	2.6	20739	16135	78%	7.7	2.7	23328	18289	78%	8.2	2.9	26477	20785	79%	8.8	3.0
	118°F	18784	14558	78%	6.5	2.9	20047	15597	78%	6.8	3.0	22550	17680	78%	7.2	3.2	25595	20092	79%	7.7	3.3
60%	-22°F	12251	9495	78%	14.5	0.8	13075	10172	78%	14.9	0.9	14708	11531	78%	15.9	0.9	16693	13104	79%	17.1	1.0
	-4°F	13033	10101	78%	14.5	0.9	13910	10822	78%	14.9	0.9	15646	12267	78%	15.9	1.0	17759	13941	79%	17.1	1.0
	5°F	13865	10746	78%	14.5	1.0	14798	11512	78%	14.9	1.0	16645	13050	78%	15.9	1.1	18892	14830	79%	17.1	1.1
	14°F	14750	11432	78%	14.5	1.0	15742	12247	78%	14.9	1.1	17708	13883	78%	15.9	1.1	20098	15777	79%	17.1	1.2
	23°F	15692	12161	78%	14.5	1.1	16747	13029	78%	14.9	1.1	18838	14769	78%	15.9	1.2	21381	16784	79%	17.1	1.3
	32°F	16694	12937	78%	14.5	1.2	17816	13861	78%	14.9	1.2	20040	15712	78%	15.9	1.3	22746	17855	79%	17.1	1.3
	41°F	17759	13763	78%	14.5	1.2	18953	14745	78%	14.9	1.3	21319	16714	78%	15.9	1.3	24198	18995	79%	17.1	1.4
	50°F	18893	14642	78%	14.5	1.3	20163	15687	78%	14.9	1.4	22680	17781	78%	15.9	1.4	25742	20208	79%	17.1	1.5
	59°F	20099	15576	78%	14.5	1.4	21450	16688	78%	14.9	1.4	24128	18916	78%	15.9	1.5	27385	21497	79%	17.1	1.6
	68°F	21381	16571	78%	14.5	1.5	22819	17753	78%	14.9	1.5	25668	20124	78%	15.9	1.6	29133	22870	79%	17.1	1.7
	77°F	20452	15850	78%	13.0	1.6	21827	16981	78%	13.4	1.6	24552	19249	78%	14.3	1.7	27867	21875	79%	15.4	1.8
	86°F	19522	15130	78%	11.7	1.7	20835	16209	78%	12.1	1.7	23436	18374	78%	12.8	1.8	26600	20881	79%	13.8	1.9
	95°F	18593	14409	78%	10.5	1.8	19842	15437	78%	10.8	1.8	22320	17499	78%	11.5	2.0	25333	19887	79%	12.4	2.1
	104°F	17663	13689	78%	8.8	2.0	18850	14666	78%	9.1	2.1	21204	16624	78%	9.6	2.2	24067	18892	79%	10.4	2.3
	113°F	16733	12968	78%	7.4	2.3	17858	13894	78%	7.7	2.3	20088	15749	78%	8.1	2.5	22800	17898	79%	8.8	2.6
	118°F	16176	12536	78%	6.5	2.5	17263	13431	78%	6.7	2.6	19418	15224	78%	7.1	2.7	22040	17301	79%	7.7	2.9

COOLING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature (DB)	Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
50%	-22°F	10275	7963	78%	14.4	0.7	10966	8532	78%	14.8	0.7	12335	9671	78%	15.7	0.8	14001	10991	79%	17.0	0.8
	-4°F	10931	8472	78%	14.4	0.8	11666	9076	78%	14.8	0.8	13123	10288	78%	15.7	0.8	14894	11692	79%	17.0	0.9
	5°F	11629	9013	78%	14.4	0.8	12411	9656	78%	14.8	0.8	13960	10945	78%	15.7	0.9	15845	12438	79%	17.0	0.9
	14°F	12371	9588	78%	14.4	0.9	13203	10272	78%	14.8	0.9	14852	11644	78%	15.7	0.9	16856	13232	79%	17.0	1.0
	23°F	13161	10200	78%	14.4	0.9	14046	10928	78%	14.8	0.9	15799	12387	78%	15.7	1.0	17932	14077	79%	17.0	1.1
	32°F	14001	10851	78%	14.4	1.0	14942	11625	78%	14.8	1.0	16808	13177	78%	15.7	1.1	19077	14975	79%	17.0	1.1
	41°F	14895	11543	78%	14.4	1.0	15896	12367	78%	14.8	1.1	17881	14019	78%	15.7	1.1	20295	15931	79%	17.0	1.2
	50°F	15845	12280	78%	14.4	1.1	16911	13157	78%	14.8	1.1	19022	14913	78%	15.7	1.2	21590	16948	79%	17.0	1.3
	59°F	16857	13064	78%	14.4	1.2	17990	13996	78%	14.8	1.2	20236	15865	78%	15.7	1.3	22968	18030	79%	17.0	1.4
	68°F	17933	13898	78%	14.4	1.3	19138	14890	78%	14.8	1.3	21528	16878	78%	15.7	1.4	24434	19181	79%	17.0	1.4
	77°F	17153	13294	78%	12.9	1.3	18306	14242	78%	13.3	1.4	20592	16144	78%	14.1	1.5	23372	18347	79%	15.2	1.5
	86°F	16373	12689	78%	11.6	1.4	17474	13595	78%	12.0	1.5	19656	15410	78%	12.7	1.6	22310	17513	79%	13.7	1.6
	95°F	15594	12085	78%	10.4	1.5	16642	12948	78%	10.7	1.6	18720	14676	78%	11.4	1.7	21247	16679	79%	12.2	1.7
	104°F	14814	11481	78%	8.7	1.7	15810	12300	78%	9.0	1.8	17784	13943	78%	9.5	1.9	20185	15845	79%	10.3	2.0
	113°F	14034	10877	78%	7.4	1.9	14978	11653	78%	7.6	2.0	16848	13209	78%	8.1	2.1	19122	15011	79%	8.7	2.2
	118°F	13567	10514	78%	6.4	2.1	14479	11264	78%	6.7	2.2	16286	12769	78%	7.1	2.3	18485	14511	79%	7.6	2.4

HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
135%	-22°F	-22.5°F	27000	1.6	4.9	26649	1.6	5	25974	1.5	5.1
	-5°F	-6°F	32400	1.9	5.0	31979	1.8	5	31169	1.8	5.2
	0°F	-1°F	34200	2.0	5.0	33755	1.9	5	32900	1.8	5.2
	5°F	3°F	36000	2.1	5.1	35532	2.0	5	34632	1.9	5.3
	7°F	5°F	36000	2.2	4.9	35532	2.1	5	34632	2.0	5.1
	17°F	15°F	36000	2.7	3.9	35532	2.6	4	34632	2.5	4.0
	28°F	26°F	36000	3.0	3.5	35532	2.9	4	34632	2.8	3.7
	38°F	35°F	36000	3.3	3.2	35532	3.1	3	34632	3.0	3.4
	47°F	43°F	36000	3.6	3.0	35532	3.4	3	34632	3.3	3.1
	57°F	52°F	37080	3.8	2.8	36598	3.7	3	35671	3.5	3.0
	68°F	63°F	38520	4.1	2.8	38019	3.9	3	37056	3.7	2.9
77°F	71°F	39600	4.3	2.7	39085	4.1	3	38095	3.9	2.8	
120%	-22°F	-22.5°F	27000	1.6	4.9	26649	1.6	5	25974	1.5	5.1
	-5°F	-6°F	32400	1.9	5.0	31979	1.8	5	31169	1.8	5.2
	0°F	-1°F	34200	2.0	5.0	33755	1.9	5	32900	1.8	5.2
	5°F	3°F	36000	2.1	5.1	35532	2.0	5	34632	1.9	5.3
	7°F	5°F	36000	2.2	4.9	35532	2.1	5	34632	2.0	5.1
	17°F	15°F	36000	2.7	3.9	35532	2.6	4	34632	2.5	4.0
	28°F	26°F	36000	3.0	3.5	35532	2.9	4	34632	2.8	3.7
	38°F	35°F	36000	3.3	3.2	35532	3.1	3	34632	3.0	3.4
	47°F	43°F	36000	3.6	3.0	35532	3.4	3	34632	3.3	3.1
	57°F	52°F	37080	3.8	2.8	36598	3.7	3	35671	3.5	3.0
	68°F	63°F	38520	4.1	2.8	38019	3.9	3	37056	3.7	2.9
77°F	71°F	39600	4.3	2.7	39085	4.1	3	38095	3.9	2.8	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
110%	-22°F	-22.5°F	27000	1.6	4.9	26649	1.6	5.0	25974	1.5	5.1
	-5°F	-6°F	32400	1.9	5.0	31979	1.8	5.1	31169	1.8	5.2
	0°F	-1°F	34200	2.0	5.0	33755	1.9	5.1	32900	1.8	5.2
	5°F	3°F	36000	2.1	5.1	35532	2.0	5.2	34632	1.9	5.3
	7°F	5°F	36000	2.2	4.9	35532	2.1	5.0	34632	2.0	5.1
	17°F	15°F	36000	2.7	3.9	35532	2.6	3.9	34632	2.5	4.0
	28°F	26°F	36000	3.0	3.5	35532	2.9	3.6	34632	2.8	3.7
	38°F	35°F	36000	3.3	3.2	35532	3.1	3.3	34632	3.0	3.4
	47°F	43°F	36000	3.6	3.0	35532	3.4	3.0	34632	3.3	3.1
	57°F	52°F	37080	3.8	2.8	36598	3.7	2.9	35671	3.5	3.0
	68°F	63°F	38520	4.1	2.8	38019	3.9	2.8	37056	3.7	2.9
77°F	71°F	39600	4.3	2.7	39085	4.1	2.8	38095	3.9	2.8	
100%	-22°F	-22.5°F	27000	1.6	4.9	26649	1.6	5.0	25974	1.5	5.1
	-5°F	-6°F	32400	1.9	5.0	31979	1.8	5.1	31169	1.8	5.2
	0°F	-1°F	34200	2.0	5.0	33755	1.9	5.1	32900	1.8	5.2
	5°F	3°F	36000	2.1	5.1	35532	2.0	5.2	34632	1.9	5.3
	7°F	5°F	36000	2.2	4.9	35532	2.1	5.0	34632	2.0	5.1
	17°F	15°F	36000	2.7	3.9	35532	2.6	3.9	34632	2.5	4.0
	28°F	26°F	36000	3.0	3.5	35532	2.9	3.6	34632	2.8	3.7
	38°F	35°F	36000	3.3	3.2	35532	3.1	3.3	34632	3.0	3.4
	47°F	43°F	36000	3.6	3.0	35532	3.4	3.0	34632	3.3	3.1
	57°F	52°F	37080	3.8	2.8	36598	3.7	2.9	35671	3.5	3.0
	68°F	63°F	38520	4.1	2.8	38019	3.9	2.8	37056	3.7	2.9
77°F	71°F	39600	4.3	2.7	39085	4.1	2.8	38095	3.9	2.8	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
90%	-22°F	-22.5°F	25650	1.6	5	25317	1.6	5	24675	1.5	5
	-5°F	-6°F	30780	1.9	5	30380	1.8	5	29610	1.7	5
	0°F	-1°F	32490	2.0	5	32068	1.9	5	31255	1.8	5
	5°F	3°F	34200	2.1	5	33755	2.0	5	32900	1.9	5
	7°F	5°F	34200	2.1	5	33755	2.1	5	32900	2.0	5
	17°F	15°F	34200	2.7	4	33755	2.6	4	32900	2.5	4
	28°F	26°F	34200	3.0	3	33755	2.9	3	32900	2.7	4
	38°F	35°F	34200	3.2	3	33755	3.1	3	32900	3.0	3
	47°F	43°F	34200	3.5	3	33755	3.4	3	32900	3.3	3
	57°F	52°F	35226	3.8	3	34768	3.7	3	33887	3.5	3
	68°F	63°F	36594	4.0	3	36118	3.9	3	35203	3.7	3
77°F	71°F	37620	4.2	3	37131	4.1	3	36190	3.9	3	
80%	-22°F	-22.5°F	22410	1.6	4	22119	1.5	4	21558	1.5	4
	-5°F	-6°F	26892	1.9	4	26542	1.8	4	25870	1.7	4
	0°F	-1°F	28386	2.0	4	28017	1.9	4	27307	1.8	4
	5°F	3°F	29880	2.0	4	29492	2.0	4	28745	1.9	4
	7°F	5°F	29880	2.1	4	29492	2.0	4	28745	1.9	4
	17°F	15°F	29880	2.7	3	29492	2.6	3	28745	2.5	3
	28°F	26°F	29880	2.9	3	29492	2.8	3	28745	2.7	3
	38°F	35°F	29880	3.2	3	29492	3.1	3	28745	2.9	3
	47°F	43°F	29880	3.5	3	29492	3.4	3	28745	3.2	3
	57°F	52°F	30776	3.8	2	30376	3.6	2	29607	3.5	3
	68°F	63°F	31972	4.0	2	31556	3.8	2	30757	3.7	2
77°F	71°F	32868	4.2	2	32441	4.0	2	31619	3.8	2	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
70%	-22°F	-22.5°F	19440	1.6	3.6	19187	1.5	4	18701	1.4	3.8
	-5°F	-6°F	23328	1.8	3.7	23025	1.8	4	22442	1.7	3.9
	0°F	-1°F	24624	1.9	3.8	24304	1.9	4	23688	1.8	3.9
	5°F	3°F	25920	2.0	3.8	25583	1.9	4	24935	1.9	4.0
	7°F	5°F	25920	2.1	3.7	25583	2.0	4	24935	1.9	3.8
	17°F	15°F	25920	2.6	2.9	25583	2.5	3	24935	2.4	3.0
	28°F	26°F	25920	2.9	2.6	25583	2.8	3	24935	2.7	2.8
	38°F	35°F	25920	3.1	2.4	25583	3.0	2	24935	2.9	2.5
	47°F	43°F	25920	3.4	2.2	25583	3.3	2	24935	3.2	2.3
	57°F	52°F	26698	3.7	2.1	26351	3.6	2	25683	3.4	2.2
	68°F	63°F	27734	3.9	2.1	27374	3.8	2	26680	3.6	2.2
77°F	71°F	28512	4.1	2.0	28141	4.0	2	27429	3.8	2.1	
60%	-22°F	-22.5°F	16740	1.6	3.2	16522	1.5	3	16104	1.4	3.3
	-5°F	-6°F	20088	1.8	3.2	19827	1.8	3	19325	1.7	3.4
	0°F	-1°F	21204	1.9	3.3	20928	1.8	3	20398	1.8	3.4
	5°F	3°F	22320	2.0	3.3	22030	1.9	3	21472	1.8	3.4
	7°F	5°F	22320	2.1	3.2	22030	2.0	3	21472	1.9	3.3
	17°F	15°F	22320	2.6	2.5	22030	2.5	3	21472	2.4	2.6
	28°F	26°F	22320	2.9	2.3	22030	2.8	2	21472	2.6	2.4
	38°F	35°F	22320	3.1	2.1	22030	3.0	2	21472	2.9	2.2
	47°F	43°F	22320	3.4	1.9	22030	3.3	2	21472	3.1	2.0
	57°F	52°F	22990	3.7	1.8	22691	3.5	2	22116	3.4	1.9
	68°F	63°F	23882	3.9	1.8	23572	3.7	2	22975	3.6	1.9
77°F	71°F	24552	4.1	1.8	24233	3.9	2	23619	3.8	1.8	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
	DB	WB	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
50%	-22°F	-22.5°F	14040	1.5	2.7	13857	1.5	2.7	13506	1.4	2.8
	-5°F	-6°F	16848	1.8	2.7	16629	1.7	2.8	16208	1.7	2.9
	0°F	-1°F	17784	1.9	2.8	17553	1.8	2.8	17108	1.7	2.9
	5°F	3°F	18720	2.0	2.8	18477	1.9	2.8	18009	1.8	2.9
	7°F	5°F	18720	2.0	2.7	18477	2.0	2.7	18009	1.9	2.8
	17°F	15°F	18720	2.6	2.1	18477	2.5	2.2	18009	2.4	2.2
	28°F	26°F	18720	2.8	1.9	18477	2.7	2.0	18009	2.6	2.0
	38°F	35°F	18720	3.1	1.8	18477	3.0	1.8	18009	2.8	1.9
	47°F	43°F	18720	3.4	1.6	18477	3.3	1.7	18009	3.1	1.7
	57°F	52°F	19282	3.6	1.6	19031	3.5	1.6	18549	3.3	1.6
	68°F	63°F	20030	3.8	1.5	19770	3.7	1.6	19269	3.5	1.6
77°F	71°F	20592	4.0	1.5	20324	3.9	1.5	19810	3.7	1.6	

