

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
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	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	

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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	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

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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	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

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

COOLING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature (DB)	Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
50%	-22°F	11765	9118	78%	15.9	0.7	12556	9768	78%	16.4	0.8	14123	11073	78%	17.4	0.8	16030	12583	79%	18.8	0.9
	-4°F	12516	9700	78%	15.9	0.8	13357	10392	78%	16.4	0.8	15025	11779	78%	17.4	0.9	17053	13387	79%	18.8	0.9
	5°F	13314	10319	78%	15.9	0.8	14209	11055	78%	16.4	0.9	15984	12531	78%	17.4	0.9	18141	14241	79%	18.8	1.0
	14°F	14164	10977	78%	15.9	0.9	15116	11761	78%	16.4	0.9	17004	13331	78%	17.4	1.0	19299	15150	79%	18.8	1.0
	23°F	15068	11678	78%	15.9	0.9	16081	12511	78%	16.4	1.0	18089	14182	78%	17.4	1.0	20531	16117	79%	18.8	1.1
	32°F	16030	12423	78%	15.9	1.0	17108	13310	78%	16.4	1.0	19244	15087	78%	17.4	1.1	21842	17146	79%	18.8	1.2
	41°F	17053	13216	78%	15.9	1.1	18200	14159	78%	16.4	1.1	20472	16050	78%	17.4	1.2	23236	18240	79%	18.8	1.2
	50°F	18142	14060	78%	15.9	1.1	19362	15063	78%	16.4	1.2	21779	17075	78%	17.4	1.3	24719	19405	79%	18.8	1.3
	59°F	19300	14957	78%	15.9	1.2	20597	16025	78%	16.4	1.3	23169	18165	78%	17.4	1.3	26297	20643	79%	18.8	1.4
	68°F	20532	15912	78%	15.9	1.3	21912	17048	78%	16.4	1.3	24648	19324	78%	17.4	1.4	27975	21961	79%	18.8	1.5
	77°F	19752	15308	78%	14.4	1.4	21080	16400	78%	14.8	1.4	23712	18590	78%	15.7	1.5	26913	21127	79%	17.0	1.6
	86°F	18972	14704	78%	13.0	1.5	20248	15753	78%	13.4	1.5	22776	17856	78%	14.2	1.6	25851	20293	79%	15.3	1.7
	95°F	18193	14099	78%	11.7	1.6	19416	15105	78%	12.1	1.6	21840	17123	78%	12.8	1.7	24788	19459	79%	13.8	1.8
	104°F	17413	13495	78%	10.0	1.7	18584	14458	78%	10.3	1.8	20904	16389	78%	10.9	1.9	23726	18625	79%	11.8	2.0
	113°F	16633	12891	78%	8.6	1.9	17752	13811	78%	8.9	2.0	19968	15655	78%	9.4	2.1	22664	17791	79%	10.2	2.2
	118°F	16166	12528	78%	7.5	2.2	17252	13422	78%	7.7	2.2	19406	15215	78%	8.2	2.4	22026	17291	79%	8.9	2.5



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
135%	-22°F	-22.5°F	28000	1.6	5.0	27636	1.6	5	26936	1.5	5.2
	-5°F	-6°F	33880	2.0	5.1	33440	1.9	5	32593	1.8	5.3
	0°F	-1°F	35840	2.1	5.1	35374	2.0	5	34478	1.9	5.4
	5°F	3°F	37800	2.2	5.2	37309	2.1	5	36364	2.0	5.4
	7°F	5°F	38114	2.2	5.0	37619	2.1	5	36666	2.0	5.2
	17°F	15°F	40000	2.8	4.3	39480	2.7	4	38480	2.5	4.4
	28°F	26°F	40750	3.1	3.8	40220	3.0	4	39202	2.9	4.0
	38°F	35°F	41375	3.5	3.5	40837	3.4	4	39803	3.2	3.7
	47°F	43°F	42000	3.9	3.2	41454	3.8	3	40404	3.6	3.3
	57°F	52°F	43260	4.2	3.0	42698	4.1	3	41616	3.9	3.1
	68°F	63°F	44940	4.4	3.0	44356	4.3	3	43232	4.1	3.1
77°F	71°F	46200	4.7	2.9	45599	4.5	3	44444	4.3	3.0	
120%	-22°F	-22.5°F	28000	1.6	5.0	27636	1.6	5	26936	1.5	5.2
	-5°F	-6°F	33880	2.0	5.1	33440	1.9	5	32593	1.8	5.3
	0°F	-1°F	35840	2.1	5.1	35374	2.0	5	34478	1.9	5.4
	5°F	3°F	37800	2.2	5.2	37309	2.1	5	36364	2.0	5.4
	7°F	5°F	38114	2.2	5.0	37619	2.1	5	36666	2.0	5.2
	17°F	15°F	40000	2.8	4.3	39480	2.7	4	38480	2.5	4.4
	28°F	26°F	40750	3.1	3.8	40220	3.0	4	39202	2.9	4.0
	38°F	35°F	41375	3.5	3.5	40837	3.4	4	39803	3.2	3.7
	47°F	43°F	42000	3.9	3.2	41454	3.8	3	40404	3.6	3.3
	57°F	52°F	43260	4.2	3.0	42698	4.1	3	41616	3.9	3.1
	68°F	63°F	44940	4.4	3.0	44356	4.3	3	43232	4.1	3.1
77°F	71°F	46200	4.7	2.9	45599	4.5	3	44444	4.3	3.0	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
110%	-22°F	-22.5°F	28000	1.6	5.0	27636	1.6	5.1	26936	1.5	5.2
	-5°F	-6°F	33880	2.0	5.1	33440	1.9	5.2	32593	1.8	5.3
	0°F	-1°F	35840	2.1	5.1	35374	2.0	5.2	34478	1.9	5.4
	5°F	3°F	37800	2.2	5.2	37309	2.1	5.3	36364	2.0	5.4
	7°F	5°F	38114	2.2	5.0	37619	2.1	5.1	36666	2.0	5.2
	17°F	15°F	40000	2.8	4.3	39480	2.7	4.3	38480	2.5	4.4
	28°F	26°F	40750	3.1	3.8	40220	3.0	3.9	39202	2.9	4.0
	38°F	35°F	41375	3.5	3.5	40837	3.4	3.6	39803	3.2	3.7
	47°F	43°F	42000	3.9	3.2	41454	3.8	3.2	40404	3.6	3.3
	57°F	52°F	43260	4.2	3.0	42698	4.1	3.1	41616	3.9	3.1
	68°F	63°F	44940	4.4	3.0	44356	4.3	3.0	43232	4.1	3.1
77°F	71°F	46200	4.7	2.9	45599	4.5	3.0	44444	4.3	3.0	
100%	-22°F	-22.5°F	28000	1.6	5.0	27636	1.6	5.1	26936	1.5	5.2
	-5°F	-6°F	33880	2.0	5.1	33440	1.9	5.2	32593	1.8	5.3
	0°F	-1°F	35840	2.1	5.1	35374	2.0	5.2	34478	1.9	5.4
	5°F	3°F	37800	2.2	5.2	37309	2.1	5.3	36364	2.0	5.4
	7°F	5°F	38114	2.2	5.0	37619	2.1	5.1	36666	2.0	5.2
	17°F	15°F	40000	2.8	4.3	39480	2.7	4.3	38480	2.5	4.4
	28°F	26°F	40750	3.1	3.8	40220	3.0	3.9	39202	2.9	4.0
	38°F	35°F	41375	3.5	3.5	40837	3.4	3.6	39803	3.2	3.7
	47°F	43°F	42000	3.9	3.2	41454	3.8	3.2	40404	3.6	3.3
	57°F	52°F	43260	4.2	3.0	42698	4.1	3.1	41616	3.9	3.1
	68°F	63°F	44940	4.4	3.0	44356	4.3	3.0	43232	4.1	3.1
77°F	71°F	46200	4.7	2.9	45599	4.5	3.0	44444	4.3	3.0	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
90%	-22°F	-22.5°F	26600	1.6	5	26254	1.6	5	25589	1.5	5
	-5°F	-6°F	32186	1.9	5	31768	1.9	5	30963	1.8	5
	0°F	-1°F	34048	2.0	5	33605	2.0	5	32754	1.9	5
	5°F	3°F	35910	2.1	5	35443	2.1	5	34545	2.0	5
	7°F	5°F	36209	2.2	5	35738	2.1	5	34833	2.0	5
	17°F	15°F	38000	2.7	4	37506	2.6	4	36556	2.5	4
	28°F	26°F	38713	3.1	4	38209	3.0	4	37241	2.8	4
	38°F	35°F	39306	3.4	3	38795	3.3	3	37813	3.2	4
	47°F	43°F	39900	3.9	3	39381	3.7	3	38384	3.6	3
	57°F	52°F	41097	4.2	3	40563	4.0	3	39535	3.8	3
	68°F	63°F	42693	4.4	3	42138	4.3	3	41071	4.1	3
77°F	71°F	43890	4.6	3	43319	4.5	3	42222	4.3	3	
80%	-22°F	-22.5°F	23240	1.6	4	22938	1.6	4	22357	1.5	4
	-5°F	-6°F	28120	1.9	4	27755	1.8	4	27052	1.8	5
	0°F	-1°F	29747	2.0	4	29360	1.9	4	28617	1.8	5
	5°F	3°F	31374	2.1	4	30966	2.0	4	30182	1.9	5
	7°F	5°F	31635	2.2	4	31224	2.1	4	30433	2.0	4
	17°F	15°F	33200	2.7	4	32768	2.6	4	31938	2.5	4
	28°F	26°F	33823	3.0	3	33383	2.9	3	32537	2.8	3
	38°F	35°F	34341	3.4	3	33895	3.3	3	33036	3.1	3
	47°F	43°F	34860	3.8	3	34407	3.7	3	33535	3.5	3
	57°F	52°F	35906	4.1	3	35439	4.0	3	34541	3.8	3
	68°F	63°F	37300	4.3	3	36815	4.2	3	35883	4.0	3
77°F	71°F	38346	4.6	2	37848	4.4	3	36889	4.2	3	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
70%	-22°F	-22.5°F	20160	1.6	3.8	19898	1.5	4	19394	1.5	3.9
	-5°F	-6°F	24394	1.9	3.8	24076	1.8	4	23467	1.7	4.0
	0°F	-1°F	25805	2.0	3.8	25469	1.9	4	24824	1.8	4.0
	5°F	3°F	27216	2.1	3.9	26862	2.0	4	26182	1.9	4.0
	7°F	5°F	27442	2.1	3.8	27086	2.1	4	26399	2.0	3.9
	17°F	15°F	28800	2.7	3.2	28426	2.6	3	27706	2.4	3.3
	28°F	26°F	29340	3.0	2.9	28959	2.9	3	28225	2.8	3.0
	38°F	35°F	29790	3.3	2.6	29403	3.2	3	28658	3.1	2.7
	47°F	43°F	30240	3.8	2.4	29847	3.6	2	29091	3.5	2.5
	57°F	52°F	31147	4.0	2.3	30742	3.9	2	29964	3.7	2.4
	68°F	63°F	32357	4.3	2.2	31936	4.1	2	31127	3.9	2.3
77°F	71°F	33264	4.5	2.2	32832	4.3	2	32000	4.1	2.3	
60%	-22°F	-22.5°F	17360	1.6	3.3	17134	1.5	3	16700	1.4	3.4
	-5°F	-6°F	21006	1.9	3.3	20733	1.8	3	20207	1.7	3.5
	0°F	-1°F	22221	2.0	3.3	21932	1.9	3	21376	1.8	3.5
	5°F	3°F	23436	2.1	3.3	23131	2.0	3	22545	1.9	3.5
	7°F	5°F	23631	2.1	3.3	23324	2.1	3	22733	2.0	3.4
	17°F	15°F	24800	2.6	2.8	24478	2.5	3	23858	2.4	2.9
	28°F	26°F	25265	3.0	2.5	24937	2.9	3	24305	2.7	2.6
	38°F	35°F	25653	3.3	2.3	25319	3.2	2	24678	3.1	2.4
	47°F	43°F	26040	3.7	2.0	25701	3.6	2	25050	3.4	2.1
	57°F	52°F	26821	4.0	2.0	26473	3.9	2	25802	3.7	2.0
	68°F	63°F	27863	4.2	1.9	27501	4.1	2	26804	3.9	2.0
77°F	71°F	28644	4.5	1.9	28272	4.3	2	27556	4.1	2.0	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
	DB	WB	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
50%	-22°F	-22.5°F	14560	1.6	2.8	14371	1.5	2.8	14007	1.4	2.9
	-5°F	-6°F	17618	1.8	2.8	17389	1.8	2.9	16948	1.7	2.9
	0°F	-1°F	18637	1.9	2.8	18395	1.9	2.9	17929	1.8	2.9
	5°F	3°F	19656	2.0	2.8	19400	2.0	2.9	18909	1.9	3.0
	7°F	5°F	19819	2.1	2.8	19562	2.0	2.8	19066	1.9	2.9
	17°F	15°F	20800	2.6	2.3	20530	2.5	2.4	20010	2.4	2.4
	28°F	26°F	21190	2.9	2.1	20915	2.8	2.2	20385	2.7	2.2
	38°F	35°F	21515	3.3	1.9	21235	3.2	2.0	20697	3.0	2.0
	47°F	43°F	21840	3.7	1.7	21556	3.6	1.8	21010	3.4	1.8
	57°F	52°F	22495	4.0	1.7	22203	3.9	1.7	21640	3.7	1.7
	68°F	63°F	23369	4.2	1.6	23065	4.1	1.7	22481	3.9	1.7
77°F	71°F	24024	4.4	1.6	23712	4.3	1.6	23111	4.1	1.7	

