

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
-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	1
	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	11988	78%	16.3	0.9	16486	12942	79%	17.6	0.9
	5°F	12872	9976	78%	14.9	0.9	13737	10688	78%	15.4	0.9	15453	12115	78%	16.3	0.9	17539	13768	79%	17.6	1.0
	14°F	13694	10613	78%	14.9	0.9	14614	11370	78%	15.4	1.0	16439	12888	78%	16.3	1.0	18658	14647	79%	17.6	1.1
	23°F	14568	11290	78%	14.9	1.0	15547	12096	78%	15.4	1.0	17488	13711	78%	16.3	1.1	19849	15582	79%	17.6	1.1
	32°F	15498	12011	78%	14.9	1.0	16539	12868	78%	15.4	1.1	18604	14586	78%	16.3	1.1	21116	16576	79%	17.6	1.2
	41°F	16487	12777	78%	14.9	1.1	17595	13689	78%	15.4	1.1	19792	15517	78%	16.3	1.2	22464	17634	79%	17.6	1.3
	50°F	17539	13593	78%	14.9	1.2	18718	14563	78%	15.4	1.2	21055	16507	78%	16.3	1.3	23898	18760	79%	17.6	1.4
	59°F	18659	14460	78%	14.9	1.3	19913	15492	78%	15.4	1.3	22399	17561	78%	16.3	1.4	25423	19957	79%	17.6	1.4
	68°F	19850	15383	78%	14.9	1.3	21184	16481	78%	15.4	1.4	23829	18682	78%	16.3	1.5	27046	21231	79%	17.6	1.5
	77°F	19497	15110	78%	13.8	1.4	20808	16189	78%	14.2	1.5	23406	18350	78%	15.1	1.6	26566	20854	79%	16.3	1.6
	86°F	19145	14837	78%	12.7	1.5	20432	15896	78%	13.1	1.6	22983	18019	78%	13.9	1.7	26086	20477	79%	15.0	1.7
	95°F	18792	14564	78%	11.7	1.6	20056	15603	78%	12.1	1.7	22560	17687	78%	12.8	1.8	25606	20100	79%	13.9	1.8
	104°F	18440	14291	78%	9.3	2.0	19680	15311	78%	9.6	2.0	22137	17355	78%	10.2	2.2	25125	19724	79%	11.0	2.3
	113°F	18088	14018	78%	7.7	2.3	19304	15018	78%	8.0	2.4	21714	17024	78%	8.4	2.6	24645	19347	79%	9.1	2.7
	118°F	17876	13854	78%	6.9	2.6	19078	14843	78%	7.1	2.7	21460	16825	78%	7.5	2.9	24357	19121	79%	8.1	3.0
80%	-22°F	9922	7689	78%	14.5	0.7	10589	8238	78%	15.0	0.7	11911	9338	78%	15.9	0.7	13519	10612	79%	17.2	0.8
	-4°F	10555	8180	78%	14.5	0.7	11265	8764	78%	15.0	0.8	12671	9934	78%	15.9	0.8	14382	11290	79%	17.2	0.8
	5°F	11229	8702	78%	14.5	0.8	11984	9323	78%	15.0	0.8	13480	10568	78%	15.9	0.8	15300	12010	79%	17.2	0.9
	14°F	11945	9258	78%	14.5	0.8	12749	9918	78%	15.0	0.9	14340	11243	78%	15.9	0.9	16276	12777	79%	17.2	0.9
	23°F	12708	9849	78%	14.5	0.9	13562	10551	78%	15.0	0.9	15256	11960	78%	15.9	1.0	17315	13592	79%	17.2	1.0
	32°F	13519	10477	78%	14.5	0.9	14428	11225	78%	15.0	1.0	16229	12724	78%	15.9	1.0	18420	14460	79%	17.2	1.1
	41°F	14382	11146	78%	14.5	1.0	15349	11941	78%	15.0	1.0	17265	13536	78%	15.9	1.1	19596	15383	79%	17.2	1.1
	50°F	15300	11858	78%	14.5	1.1	16329	12704	78%	15.0	1.1	18367	14400	78%	15.9	1.2	20847	16365	79%	17.2	1.2
	59°F	16277	12614	78%	14.5	1.1	17371	13515	78%	15.0	1.2	19540	15319	78%	15.9	1.2	22178	17409	79%	17.2	1.3
	68°F	17316	13420	78%	14.5	1.2	18480	14377	78%	15.0	1.2	20787	16297	78%	15.9	1.3	23593	18521	79%	17.2	1.4
	77°F	17008	13181	78%	13.4	1.3	18152	14122	78%	13.9	1.3	20418	16008	78%	14.7	1.4	23174	18192	79%	15.9	1.5
	86°F	16701	12943	78%	12.4	1.3	17824	13867	78%	12.8	1.4	20049	15718	78%	13.6	1.5	22756	17863	79%	14.6	1.6
	95°F	16393	12705	78%	11.4	1.4	17496	13612	78%	11.8	1.5	19680	15429	78%	12.5	1.6	22337	17534	79%	13.5	1.7
	104°F	16086	12467	78%	9.1	1.8	17167	13356	78%	9.4	1.8	19311	15140	78%	10.0	1.9	21918	17206	79%	10.8	2.0
	113°F	15779	12228	78%	7.5	2.1	16839	13101	78%	7.8	2.2	18942	14851	78%	8.2	2.3	21499	16877	79%	8.9	2.4
	118°F	15594	12086	78%	6.7	2.3	16643	12948	78%	6.9	2.4	18721	14677	78%	7.3	2.6	21248	16680	79%	7.9	2.7

COOLING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature (DB)	Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
70%	-22°F	8712	6752	78%	14.5	0.6	9297	7233	78%	14.9	0.6	10458	8199	78%	15.8	0.7	11870	9318	79%	17.1	0.7
	-4°F	9268	7183	78%	14.5	0.6	9891	7695	78%	14.9	0.7	11126	8723	78%	15.8	0.7	12628	9913	79%	17.1	0.7
	5°F	9859	7641	78%	14.5	0.7	10522	8186	78%	14.9	0.7	11836	9279	78%	15.8	0.7	13434	10546	79%	17.1	0.8
	14°F	10489	8129	78%	14.5	0.7	11194	8709	78%	14.9	0.8	12592	9872	78%	15.8	0.8	14291	11219	79%	17.1	0.8
	23°F	11158	8648	78%	14.5	0.8	11908	9265	78%	14.9	0.8	13395	10502	78%	15.8	0.8	15204	11935	79%	17.1	0.9
	32°F	11870	9200	78%	14.5	0.8	12668	9856	78%	14.9	0.8	14250	11172	78%	15.8	0.9	16174	12697	79%	17.1	0.9
	41°F	12628	9787	78%	14.5	0.9	13477	10485	78%	14.9	0.9	15160	11885	78%	15.8	1.0	17206	13507	79%	17.1	1.0
	50°F	13434	10411	78%	14.5	0.9	14337	11154	78%	14.9	1.0	16127	12644	78%	15.8	1.0	18305	14369	79%	17.1	1.1
	59°F	14292	11076	78%	14.5	1.0	15252	11866	78%	14.9	1.0	17157	13451	78%	15.8	1.1	19473	15286	79%	17.1	1.1
	68°F	15204	11783	78%	14.5	1.1	16226	12624	78%	14.9	1.1	18252	14310	78%	15.8	1.2	20716	16262	79%	17.1	1.2
	77°F	14934	11574	78%	13.4	1.1	15938	12400	78%	13.8	1.2	17928	14056	78%	14.6	1.2	20348	15973	79%	15.8	1.3
	86°F	14664	11365	78%	12.3	1.2	15650	12176	78%	12.7	1.2	17604	13802	78%	13.5	1.3	19981	15685	79%	14.6	1.4
	95°F	14394	11156	78%	11.4	1.3	15362	11952	78%	11.7	1.3	17280	13548	78%	12.5	1.4	19613	15396	79%	13.4	1.5
	104°F	14124	10946	78%	9.1	1.6	15074	11727	78%	9.4	1.6	16956	13294	78%	9.9	1.7	19245	15107	79%	10.7	1.8
	113°F	13854	10737	78%	7.5	1.9	14786	11503	78%	7.7	1.9	16632	13039	78%	8.2	2.0	18877	14819	79%	8.8	2.1
	118°F	13693	10612	78%	6.7	2.1	14613	11369	78%	6.9	2.1	16438	12887	78%	7.3	2.3	18657	14645	79%	7.9	2.4
60%	-22°F	7502	5814	78%	14.4	0.5	8006	6229	78%	14.8	0.5	9006	7061	78%	15.7	0.6	10222	8024	79%	17.0	0.6
	-4°F	7981	6185	78%	14.4	0.6	8517	6626	78%	14.8	0.6	9581	7511	78%	15.7	0.6	10874	8536	79%	17.0	0.6
	5°F	8490	6580	78%	14.4	0.6	9061	7049	78%	14.8	0.6	10192	7991	78%	15.7	0.6	11568	9081	79%	17.0	0.7
	14°F	9032	7000	78%	14.4	0.6	9639	7499	78%	14.8	0.7	10843	8501	78%	15.7	0.7	12306	9661	79%	17.0	0.7
	23°F	9608	7447	78%	14.4	0.7	10254	7978	78%	14.8	0.7	11535	9043	78%	15.7	0.7	13092	10277	79%	17.0	0.8
	32°F	10222	7922	78%	14.4	0.7	10909	8487	78%	14.8	0.7	12271	9620	78%	15.7	0.8	13928	10933	79%	17.0	0.8
	41°F	10874	8428	78%	14.4	0.8	11605	9029	78%	14.8	0.8	13054	10235	78%	15.7	0.8	14817	11631	79%	17.0	0.9
	50°F	11568	8965	78%	14.4	0.8	12346	9605	78%	14.8	0.8	13888	10888	78%	15.7	0.9	15762	12373	79%	17.0	0.9
	59°F	12307	9538	78%	14.4	0.9	13134	10218	78%	14.8	0.9	14774	11583	78%	15.7	0.9	16768	13163	79%	17.0	1.0
	68°F	13092	10147	78%	14.4	0.9	13972	10871	78%	14.8	0.9	15717	12322	78%	15.7	1.0	17839	14003	79%	17.0	1.1
	77°F	12860	9966	78%	13.3	1.0	13724	10678	78%	13.7	1.0	15438	12103	78%	14.5	1.1	17522	13755	79%	15.7	1.1
	86°F	12627	9786	78%	12.3	1.0	13476	10485	78%	12.6	1.1	15159	11885	78%	13.4	1.1	17205	13506	79%	14.5	1.2
	95°F	12395	9606	78%	11.3	1.1	13228	10292	78%	11.7	1.1	14880	11666	78%	12.4	1.2	16889	13258	79%	13.4	1.3
	104°F	12163	9426	78%	9.0	1.4	12980	10099	78%	9.3	1.4	14601	11447	78%	9.9	1.5	16572	13009	79%	10.6	1.6
	113°F	11930	9246	78%	7.4	1.6	12732	9906	78%	7.7	1.7	14322	11228	78%	8.1	1.8	16255	12761	79%	8.8	1.9
	118°F	11791	9138	78%	6.6	1.8	12583	9790	78%	6.8	1.8	14155	11097	78%	7.3	2.0	16065	12611	79%	7.8	2.1

COOLING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature (DB)	Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
50%	-22°F	6292	4876	78%	14.3	0.4	6715	5224	78%	14.7	0.5	7553	5922	78%	15.6	0.5	8573	6730	79%	16.8	0.5
	-4°F	6693	5187	78%	14.3	0.5	7143	5558	78%	14.7	0.5	8035	6300	78%	15.6	0.5	9120	7159	79%	16.8	0.5
	5°F	7121	5519	78%	14.3	0.5	7599	5912	78%	14.7	0.5	8548	6702	78%	15.6	0.5	9702	7616	79%	16.8	0.6
	14°F	7575	5871	78%	14.3	0.5	8084	6290	78%	14.7	0.6	9094	7130	78%	15.6	0.6	10322	8102	79%	16.8	0.6
	23°F	8059	6246	78%	14.3	0.6	8600	6691	78%	14.7	0.6	9674	7585	78%	15.6	0.6	10980	8620	79%	16.8	0.7
	32°F	8573	6644	78%	14.3	0.6	9149	7118	78%	14.7	0.6	10292	8069	78%	15.6	0.7	11681	9170	79%	16.8	0.7
	41°F	9120	7068	78%	14.3	0.6	9733	7573	78%	14.7	0.7	10949	8584	78%	15.6	0.7	12427	9755	79%	16.8	0.7
	50°F	9702	7519	78%	14.3	0.7	10355	8056	78%	14.7	0.7	11648	9132	78%	15.6	0.7	13220	10378	79%	16.8	0.8
	59°F	10322	7999	78%	14.3	0.7	11016	8570	78%	14.7	0.7	12391	9715	78%	15.6	0.8	14064	11040	79%	16.8	0.8
	68°F	10981	8510	78%	14.3	0.8	11719	9117	78%	14.7	0.8	13182	10335	78%	15.6	0.8	14962	11745	79%	16.8	0.9
	77°F	10786	8359	78%	13.2	0.8	11511	8955	78%	13.6	0.8	12948	10151	78%	14.4	0.9	14696	11536	79%	15.5	0.9
	86°F	10591	8208	78%	12.1	0.9	11303	8794	78%	12.5	0.9	12714	9968	78%	13.3	1.0	14430	11328	79%	14.3	1.0
	95°F	10396	8057	78%	11.2	0.9	11095	8632	78%	11.6	1.0	12480	9784	78%	12.3	1.0	14165	11119	79%	13.2	1.1
	104°F	10201	7906	78%	8.9	1.1	10887	8470	78%	9.2	1.2	12246	9601	78%	9.8	1.3	13899	10911	79%	10.5	1.3
	113°F	10006	7755	78%	7.4	1.4	10679	8308	78%	7.6	1.4	12012	9417	78%	8.1	1.5	13634	10702	79%	8.7	1.6
	118°F	9889	7664	78%	6.6	1.5	10554	8211	78%	6.8	1.6	11872	9307	78%	7.2	1.7	13474	10577	79%	7.8	1.7



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
135%	-22°F	-22.5°F	17400	1.9	2.8	17174	1.8	3	16739	1.7	2.9
	-5°F	-6°F	19920	2.0	2.9	19661	1.9	3	19163	1.8	3.0
	0°F	-1°F	20760	2.1	3.0	20490	2.0	3	19971	1.9	3.1
	5°F	3°F	21600	2.1	3.0	21319	2.0	3	20779	1.9	3.1
	7°F	5°F	21886	2.1	3.0	21601	2.1	3	21054	2.0	3.1
	17°F	15°F	23600	2.4	2.9	23293	2.3	3	22703	2.2	3.1
	28°F	26°F	23750	2.8	2.5	23441	2.7	3	22848	2.6	2.6
	38°F	35°F	23875	3.2	2.2	23565	3.1	2	22968	3.0	2.3
	47°F	43°F	24000	3.9	1.8	23688	3.8	2	23088	3.6	1.9
	57°F	52°F	24720	4.2	1.7	24399	4.1	2	23781	3.9	1.8
	68°F	63°F	25680	4.4	1.7	25346	4.3	2	24704	4.1	1.8
77°F	71°F	26400	4.7	1.7	26057	4.5	2	25397	4.3	1.7	
120%	-22°F	-22.5°F	17400	1.9	2.8	17174	1.8	3	16739	1.7	2.9
	-5°F	-6°F	19920	2.0	2.9	19661	1.9	3	19163	1.8	3.0
	0°F	-1°F	20760	2.1	3.0	20490	2.0	3	19971	1.9	3.1
	5°F	3°F	21600	2.1	3.0	21319	2.0	3	20779	1.9	3.1
	7°F	5°F	21886	2.1	3.0	21601	2.1	3	21054	2.0	3.1
	17°F	15°F	23600	2.4	2.9	23293	2.3	3	22703	2.2	3.1
	28°F	26°F	23750	2.8	2.5	23441	2.7	3	22848	2.6	2.6
	38°F	35°F	23875	3.2	2.2	23565	3.1	2	22968	3.0	2.3
	47°F	43°F	24000	3.9	1.8	23688	3.8	2	23088	3.6	1.9
	57°F	52°F	24720	4.2	1.7	24399	4.1	2	23781	3.9	1.8
	68°F	63°F	25680	4.4	1.7	25346	4.3	2	24704	4.1	1.8
77°F	71°F	26400	4.7	1.7	26057	4.5	2	25397	4.3	1.7	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
110%	-22°F	-22.5°F	17400	1.9	2.8	17174	1.8	2.8	16739	1.7	2.9
	-5°F	-6°F	19920	2.0	2.9	19661	1.9	3.0	19163	1.8	3.0
	0°F	-1°F	20760	2.1	3.0	20490	2.0	3.0	19971	1.9	3.1
	5°F	3°F	21600	2.1	3.0	21319	2.0	3.1	20779	1.9	3.1
	7°F	5°F	21886	2.1	3.0	21601	2.1	3.1	21054	2.0	3.1
	17°F	15°F	23600	2.4	2.9	23293	2.3	3.0	22703	2.2	3.1
	28°F	26°F	23750	2.8	2.5	23441	2.7	2.6	22848	2.6	2.6
	38°F	35°F	23875	3.2	2.2	23565	3.1	2.2	22968	3.0	2.3
	47°F	43°F	24000	3.9	1.8	23688	3.8	1.8	23088	3.6	1.9
	57°F	52°F	24720	4.2	1.7	24399	4.1	1.8	23781	3.9	1.8
	68°F	63°F	25680	4.4	1.7	25346	4.3	1.7	24704	4.1	1.8
77°F	71°F	26400	4.7	1.7	26057	4.5	1.7	25397	4.3	1.7	
100%	-22°F	-22.5°F	17400	1.9	2.8	17174	1.8	2.8	16739	1.7	2.9
	-5°F	-6°F	19920	2.0	2.9	19661	1.9	3.0	19163	1.8	3.0
	0°F	-1°F	20760	2.1	3.0	20490	2.0	3.0	19971	1.9	3.1
	5°F	3°F	21600	2.1	3.0	21319	2.0	3.1	20779	1.9	3.1
	7°F	5°F	21886	2.1	3.0	21601	2.1	3.1	21054	2.0	3.1
	17°F	15°F	23600	2.4	2.9	23293	2.3	3.0	22703	2.2	3.1
	28°F	26°F	23750	2.8	2.5	23441	2.7	2.6	22848	2.6	2.6
	38°F	35°F	23875	3.2	2.2	23565	3.1	2.2	22968	3.0	2.3
	47°F	43°F	24000	3.9	1.8	23688	3.8	1.8	23088	3.6	1.9
	57°F	52°F	24720	4.2	1.7	24399	4.1	1.8	23781	3.9	1.8
	68°F	63°F	25680	4.4	1.7	25346	4.3	1.7	24704	4.1	1.8
77°F	71°F	26400	4.7	1.7	26057	4.5	1.7	25397	4.3	1.7	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
90%	-22°F	-22.5°F	16530	1.8	3	16315	1.8	3	15902	1.7	3
	-5°F	-6°F	18924	2.0	3	18678	1.9	3	18205	1.8	3
	0°F	-1°F	19722	2.0	3	19466	2.0	3	18973	1.9	3
	5°F	3°F	20520	2.1	3	20253	2.0	3	19740	1.9	3
	7°F	5°F	20791	2.1	3	20521	2.0	3	20001	2.0	3
	17°F	15°F	22420	2.3	3	22129	2.3	3	21568	2.1	3
	28°F	26°F	22563	2.7	2	22269	2.7	2	21705	2.5	3
	38°F	35°F	22681	3.2	2	22386	3.1	2	21819	3.0	2
	47°F	43°F	22800	3.9	2	22504	3.7	2	21934	3.6	2
	57°F	52°F	23484	4.2	2	23179	4.0	2	22592	3.8	2
	68°F	63°F	24396	4.4	2	24079	4.3	2	23469	4.1	2
77°F	71°F	25080	4.6	2	24754	4.5	2	24127	4.3	2	
80%	-22°F	-22.5°F	14268	1.8	2	14083	1.7	2	13726	1.7	2
	-5°F	-6°F	16334	1.9	2	16122	1.9	3	15714	1.8	3
	0°F	-1°F	17023	2.0	3	16802	1.9	3	16376	1.8	3
	5°F	3°F	17712	2.0	3	17482	2.0	3	17039	1.9	3
	7°F	5°F	17946	2.1	3	17713	2.0	3	17264	1.9	3
	17°F	15°F	19352	2.3	2	19100	2.2	3	18617	2.1	3
	28°F	26°F	19475	2.7	2	19222	2.6	2	18735	2.5	2
	38°F	35°F	19578	3.1	2	19323	3.0	2	18834	2.9	2
	47°F	43°F	19680	3.8	2	19424	3.6	2	18932	3.5	2
	57°F	52°F	20270	4.1	1	20007	3.9	1	19500	3.7	2
	68°F	63°F	21058	4.3	1	20784	4.1	1	20257	4.0	2
77°F	71°F	21648	4.5	1	21367	4.4	1	20825	4.2	1	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
70%	-22°F	-22.5°F	12528	1.8	2.1	12365	1.7	2	12052	1.6	2.2
	-5°F	-6°F	14342	1.9	2.2	14156	1.9	2	13797	1.8	2.3
	0°F	-1°F	14947	2.0	2.2	14753	1.9	2	14379	1.8	2.3
	5°F	3°F	15552	2.0	2.3	15350	2.0	2	14961	1.9	2.4
	7°F	5°F	15758	2.1	2.3	15553	2.0	2	15159	1.9	2.4
	17°F	15°F	16992	2.3	2.2	16771	2.2	2	16346	2.1	2.3
	28°F	26°F	17100	2.7	1.9	16878	2.6	2	16450	2.5	2.0
	38°F	35°F	17190	3.1	1.6	16967	3.0	2	16537	2.9	1.7
	47°F	43°F	17280	3.8	1.4	17055	3.6	1	16623	3.5	1.4
	57°F	52°F	17798	4.0	1.3	17567	3.9	1	17122	3.7	1.3
	68°F	63°F	18490	4.3	1.3	18249	4.1	1	17787	3.9	1.3
77°F	71°F	19008	4.5	1.2	18761	4.3	1	18286	4.1	1.3	
60%	-22°F	-22.5°F	10788	1.8	1.8	10648	1.7	2	10378	1.6	1.9
	-5°F	-6°F	12350	1.9	1.9	12190	1.9	2	11881	1.8	2.0
	0°F	-1°F	12871	2.0	1.9	12704	1.9	2	12382	1.8	2.0
	5°F	3°F	13392	2.0	2.0	13218	1.9	2	12883	1.9	2.0
	7°F	5°F	13569	2.0	2.0	13393	2.0	2	13054	1.9	2.0
	17°F	15°F	14632	2.2	1.9	14442	2.2	2	14076	2.1	2.0
	28°F	26°F	14725	2.6	1.6	14534	2.6	2	14165	2.4	1.7
	38°F	35°F	14803	3.1	1.4	14610	3.0	1	14240	2.9	1.5
	47°F	43°F	14880	3.7	1.2	14687	3.6	1	14315	3.4	1.2
	57°F	52°F	15326	4.0	1.1	15127	3.9	1	14744	3.7	1.2
	68°F	63°F	15922	4.2	1.1	15715	4.1	1	15317	3.9	1.2
77°F	71°F	16368	4.5	1.1	16155	4.3	1	15746	4.1	1.1	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
	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	

