

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

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Connected Capacity	Outdoor Ambient Temperature (DB)	Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
110%	-22°F	13842	10727	77%	15.4	0.9	14772	11493	78%	15.9	0.9	16617	13028	78%	16.8	1.0	18860	14805	79%	18.2	1.0
	-4°F	14725	11412	78%	15.4	1.0	15715	12227	78%	15.9	1.0	17677	13859	78%	16.8	1.1	20064	15750	79%	18.2	1.1
	5°F	15665	12141	78%	15.4	1.0	16718	13007	78%	15.9	1.1	18806	14744	78%	16.8	1.1	21345	16756	79%	18.2	1.2
	14°F	16665	12916	78%	15.4	1.1	17786	13837	78%	15.9	1.1	20006	15685	78%	16.8	1.2	22707	17825	79%	18.2	1.3
	23°F	17729	13740	77%	15.4	1.2	18921	14720	78%	15.9	1.2	21283	16686	78%	16.8	1.3	24156	18963	79%	18.2	1.3
	32°F	18861	14617	78%	15.4	1.2	20128	15660	78%	15.9	1.3	22642	17751	78%	16.8	1.3	25698	20173	79%	18.2	1.4
	41°F	20064	15550	78%	15.4	1.3	21413	16660	78%	15.9	1.3	24087	18884	78%	16.8	1.4	27339	21461	79%	18.2	1.5
	50°F	21345	16542	78%	15.4	1.4	22780	17723	78%	15.9	1.4	25624	20090	78%	16.8	1.5	29084	22831	79%	18.2	1.6
	59°F	22708	17598	78%	15.4	1.5	24234	18854	78%	15.9	1.5	27260	21372	78%	16.8	1.6	30940	24288	79%	18.2	1.7
	68°F	24157	18722	78%	15.4	1.6	25781	20058	78%	15.9	1.6	29000	22736	78%	16.8	1.7	32915	25838	79%	18.2	1.8
	77°F	23990	18593	78%	14.3	1.7	25603	19919	78%	14.8	1.7	28800	22579	78%	15.7	1.8	32688	25660	79%	16.9	1.9
	86°F	23824	18463	78%	13.4	1.8	25425	19781	78%	13.8	1.8	28600	22422	78%	14.7	2.0	32461	25482	79%	15.8	2.1
	95°F	23657	18334	78%	12.5	1.9	25248	19643	78%	12.9	2.0	28400	22266	78%	13.7	2.1	32234	25304	79%	14.8	2.2
	104°F	23491	18205	78%	10.2	2.3	25070	19504	78%	10.5	2.4	28200	22109	78%	11.1	2.5	32007	25125	79%	12.0	2.7
	113°F	23324	18076	78%	8.5	2.7	24892	19366	78%	8.8	2.8	28000	21952	78%	9.3	3.0	31780	24947	79%	10.1	3.2
	118°F	23224	17999	78%	7.0	3.3	24785	19283	78%	7.2	3.4	27880	21858	78%	7.6	3.7	31644	24840	79%	8.2	3.8
100%	-22°F	13842	10727	77%	15.4	1	14772	11493	78%	15.9	1	16617	13028	78%	16.8	1	18860	14805	79%	18.2	1
	-4°F	14725	11412	78%	15.4	1	15715	12227	78%	15.9	1	17677	13859	78%	16.8	1	20064	15750	79%	18.2	1
	5°F	15665	12141	78%	15.4	1	16718	13007	78%	15.9	1	18806	14744	78%	16.8	1	21345	16756	79%	18.2	1
	14°F	16665	12916	78%	15.4	1	17786	13837	78%	15.9	1	20006	15685	78%	16.8	1	22707	17825	79%	18.2	1
	23°F	17729	13740	77%	15.4	1	18921	14720	78%	15.9	1	21283	16686	78%	16.8	1	24156	18963	79%	18.2	1
	32°F	18861	14617	78%	15.4	1	20128	15660	78%	15.9	1	22642	17751	78%	16.8	1	25698	20173	79%	18.2	1
	41°F	20064	15550	78%	15.4	1	21413	16660	78%	15.9	1	24087	18884	78%	16.8	1	27339	21461	79%	18.2	2
	50°F	21345	16542	78%	15.4	1	22780	17723	78%	15.9	1	25624	20090	78%	16.8	2	29084	22831	79%	18.2	2
	59°F	22708	17598	78%	15.4	1	24234	18854	78%	15.9	2	27260	21372	78%	16.8	2	30940	24288	79%	18.2	2
	68°F	24157	18722	78%	15.4	2	25781	20058	78%	15.9	2	29000	22736	78%	16.8	2	32915	25838	79%	18.2	2
	77°F	23990	18593	78%	14.3	2	25603	19919	78%	14.8	2	28800	22579	78%	15.7	2	32688	25660	79%	16.9	2
	86°F	23824	18463	78%	13.4	2	25425	19781	78%	13.8	2	28600	22422	78%	14.7	2	32461	25482	79%	15.8	2
	95°F	23657	18334	78%	12.5	2	25248	19643	78%	12.9	2	28400	22266	78%	13.7	2	32234	25304	79%	14.8	2
	104°F	23491	18205	78%	10.2	2	25070	19504	78%	10.5	2	28200	22109	78%	11.1	3	32007	25125	79%	12.0	3
	113°F	23324	18076	78%	8.5	3	24892	19366	78%	8.8	3	28000	21952	78%	9.3	3	31780	24947	79%	10.1	3
	118°F	23224	17999	78%	7.0	3	24785	19283	78%	7.2	3	27880	21858	78%	7.6	4	31644	24840	79%	8.2	4

COOLING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature (DB)	Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
90%	-22°F	13011	10084	78%	15.2	0.9	13886	10803	78%	15.7	0.9	15620	12246	78%	16.7	0.9	17729	13917	79%	18.0	1.0
	-4°F	13842	10727	78%	15.2	0.9	14772	11493	78%	15.7	0.9	16617	13028	78%	16.7	1.0	18860	14805	79%	18.0	1.1
	5°F	14725	11412	78%	15.2	1.0	15715	12227	78%	15.7	1.0	17677	13859	78%	16.7	1.1	20064	15750	79%	18.0	1.1
	14°F	15665	12141	78%	15.2	1.0	16718	13007	78%	15.7	1.1	18806	14744	78%	16.7	1.1	21345	16756	79%	18.0	1.2
	23°F	16665	12916	78%	15.2	1.1	17786	13837	78%	15.7	1.1	20006	15685	78%	16.7	1.2	22707	17825	79%	18.0	1.3
	32°F	17729	13740	78%	15.2	1.2	18921	14720	78%	15.7	1.2	21283	16686	78%	16.7	1.3	24156	18963	79%	18.0	1.3
	41°F	18861	14617	78%	15.2	1.2	20128	15660	78%	15.7	1.3	22642	17751	78%	16.7	1.4	25698	20173	79%	18.0	1.4
	50°F	20064	15550	78%	15.2	1.3	21413	16660	78%	15.7	1.4	24087	18884	78%	16.7	1.4	27339	21461	79%	18.0	1.5
	59°F	21345	16542	78%	15.2	1.4	22780	17723	78%	15.7	1.5	25624	20090	78%	16.7	1.5	29084	22831	79%	18.0	1.6
	68°F	22708	17598	78%	15.2	1.5	24234	18854	78%	15.7	1.5	27260	21372	78%	16.7	1.6	30940	24288	79%	18.0	1.7
	77°F	22551	17477	78%	14.2	1.6	24067	18724	78%	14.7	1.6	27072	21224	78%	15.5	1.7	30727	24120	79%	16.8	1.8
	86°F	22394	17356	78%	13.3	1.7	23900	18594	78%	13.7	1.7	26884	21077	78%	14.5	1.9	30513	23953	79%	15.7	1.9
	95°F	22238	17234	78%	12.4	1.8	23733	18464	78%	12.8	1.9	26696	20930	78%	13.5	2.0	30300	23785	79%	14.6	2.1
	104°F	22081	17113	78%	10.0	2.2	23566	18334	78%	10.4	2.3	26508	20782	78%	11.0	2.4	30087	23618	79%	11.9	2.5
	113°F	21925	16992	78%	8.4	2.6	23398	18204	78%	8.7	2.7	26320	20635	78%	9.2	2.9	29873	23450	79%	10.0	3.0
	118°F	21831	16919	78%	6.9	3.2	23298	18126	78%	7.1	3.3	26207	20546	78%	7.6	3.5	29745	23350	79%	8.2	3.6
80%	-22°F	11350	8796	78%	14.8	0.8	12113	9424	78%	15.3	0.8	13626	10683	78%	16.2	0.8	15465	12140	79%	17.5	0.9
	-4°F	12075	9358	78%	14.8	0.8	12887	10026	78%	15.3	0.8	14496	11365	78%	16.2	0.9	16452	12915	79%	17.5	0.9
	5°F	12846	9955	78%	14.8	0.9	13709	10666	78%	15.3	0.9	15421	12090	78%	16.2	1.0	17503	13740	79%	17.5	1.0
	14°F	13665	10591	78%	14.8	0.9	14584	11346	78%	15.3	1.0	16405	12862	78%	16.2	1.0	18620	14617	79%	17.5	1.1
	23°F	14538	11267	78%	14.8	1.0	15515	12071	78%	15.3	1.0	17452	13683	78%	16.2	1.1	19808	15550	79%	17.5	1.1
	32°F	15466	11986	78%	14.8	1.0	16505	12841	78%	15.3	1.1	18566	14556	78%	16.2	1.1	21073	16542	79%	17.5	1.2
	41°F	16453	12751	78%	14.8	1.1	17559	13661	78%	15.3	1.1	19751	15485	78%	16.2	1.2	22418	17598	79%	17.5	1.3
	50°F	17503	13565	78%	14.8	1.2	18680	14533	78%	15.3	1.2	21012	16473	78%	16.2	1.3	23849	18721	79%	17.5	1.4
	59°F	18620	14431	78%	14.8	1.3	19872	15460	78%	15.3	1.3	22353	17525	78%	16.2	1.4	25371	19916	79%	17.5	1.4
	68°F	19809	15352	78%	14.8	1.3	21140	16447	78%	15.3	1.4	23780	18644	78%	16.2	1.5	26990	21187	79%	17.5	1.5
	77°F	19672	15246	78%	13.8	1.4	20995	16334	78%	14.3	1.5	23616	18515	78%	15.2	1.6	26804	21041	79%	16.4	1.6
	86°F	19536	15140	78%	12.9	1.5	20849	16220	78%	13.3	1.6	23452	18386	78%	14.2	1.7	26618	20895	79%	15.3	1.7
	95°F	19399	15034	78%	12.1	1.6	20703	16107	78%	12.5	1.7	23288	18258	78%	13.2	1.8	26432	20749	79%	14.3	1.9
	104°F	19262	14928	78%	9.8	2.0	20557	15994	78%	10.1	2.0	23124	18129	78%	10.7	2.2	26246	20603	79%	11.6	2.3
	113°F	19126	14822	78%	8.2	2.3	20411	15880	78%	8.5	2.4	22960	18001	78%	9.0	2.6	26060	20457	79%	9.7	2.7
	118°F	19044	14759	78%	6.7	2.8	20324	15812	78%	7.0	2.9	22862	17923	78%	7.4	3.1	25948	20369	79%	8.0	3.3

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

COOLING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature (DB)	Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (kBtu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (KW)
50%	-22°F	7198	5578	78%	14.5	0.5	7682	5976	78%	15.0	0.5	8641	6774	78%	15.9	0.5	9807	7699	79%	17.2	0.6
	-4°F	7657	6277	82%	14.5	0.5	8172	6358	78%	15.0	0.5	9192	7207	78%	15.9	0.6	10433	8190	79%	17.2	0.6
	5°F	8146	6677	82%	14.5	0.6	8694	6764	78%	15.0	0.6	9779	7667	78%	15.9	0.6	11099	8713	79%	17.2	0.6
	14°F	8666	7104	82%	14.5	0.6	9248	7195	78%	15.0	0.6	10403	8156	78%	15.9	0.7	11808	9269	79%	17.2	0.7
	23°F	9219	7557	82%	14.5	0.6	9839	7655	78%	15.0	0.7	11067	8677	78%	15.9	0.7	12561	9861	79%	17.2	0.7
	32°F	9807	8039	82%	14.5	0.7	10467	8143	78%	15.0	0.7	11774	9231	78%	15.9	0.7	13363	10490	79%	17.2	0.8
	41°F	10433	8552	82%	14.5	0.7	11135	8663	78%	15.0	0.7	12525	9820	78%	15.9	0.8	14216	11160	79%	17.2	0.8
	50°F	11099	9098	82%	14.5	0.8	11846	9216	78%	15.0	0.8	13325	10447	78%	15.9	0.8	15124	11872	79%	17.2	0.9
	59°F	11808	9679	82%	14.5	0.8	12602	9804	78%	15.0	0.8	14175	11113	78%	15.9	0.9	16089	12630	79%	17.2	0.9
	68°F	12562	10297	82%	14.5	0.9	13406	10430	78%	15.0	0.9	15080	11823	78%	15.9	0.9	17116	13436	79%	17.2	1.0
	77°F	12475	10226	82%	13.6	0.9	13314	10358	78%	14.0	1.0	14976	11741	78%	14.9	1.0	16998	13343	79%	16.0	1.1
	86°F	12388	10155	82%	12.7	1.0	13221	10286	78%	13.1	1.0	14872	11660	78%	13.9	1.1	16880	13251	79%	15.0	1.1
	95°F	12302	10084	82%	11.8	1.0	13129	10214	78%	12.2	1.1	14768	11578	78%	12.9	1.1	16762	13158	79%	14.0	1.2
	104°F	12215	10013	82%	9.6	1.3	13036	10142	78%	9.9	1.3	14664	11497	78%	10.5	1.4	16644	13065	79%	11.3	1.5
	113°F	12128	9942	82%	8.1	1.5	12944	10070	78%	8.3	1.6	14560	11415	78%	8.8	1.7	16526	12973	79%	9.5	1.7
	118°F	12077	9899	82%	6.6	1.8	12888	10027	78%	6.8	1.9	14498	11366	78%	7.2	2.0	16455	12917	79%	7.8	2.1

HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
135%	-22°F	-22.5°F	22600	1.8	3.7	22306	1.7	4	21741	1.6	3.9
	-5°F	-6°F	25240	2.0	3.7	24912	1.9	4	24281	1.8	3.9
	0°F	-1°F	26120	2.0	3.8	25780	2.0	4	25127	1.9	3.9
	5°F	3°F	27000	2.1	3.8	26649	2.0	4	25974	1.9	3.9
	7°F	5°F	27214	2.2	3.7	26861	2.1	4	26180	2.0	3.8
	17°F	15°F	28500	2.8	3.0	28130	2.7	3	27417	2.5	3.2
	28°F	26°F	29063	3.2	2.7	28685	3.1	3	27958	2.9	2.8
	38°F	35°F	29531	3.6	2.4	29147	3.5	2	28409	3.3	2.5
	47°F	43°F	30000	4.2	2.1	29610	4.0	2	28860	3.9	2.2
	57°F	52°F	30900	4.5	2.0	30498	4.4	2	29726	4.2	2.1
	68°F	63°F	32100	4.8	2.0	31683	4.6	2	30880	4.4	2.1
77°F	71°F	33000	5.0	1.9	32571	4.8	2	31746	4.6	2.0	
120%	-22°F	-22.5°F	22600	1.8	3.7	22306	1.7	4	21741	1.6	3.9
	-5°F	-6°F	25240	2.0	3.7	24912	1.9	4	24281	1.8	3.9
	0°F	-1°F	26120	2.0	3.8	25780	2.0	4	25127	1.9	3.9
	5°F	3°F	27000	2.1	3.8	26649	2.0	4	25974	1.9	3.9
	7°F	5°F	27214	2.2	3.7	26861	2.1	4	26180	2.0	3.8
	17°F	15°F	28500	2.8	3.0	28130	2.7	3	27417	2.5	3.2
	28°F	26°F	29063	3.2	2.7	28685	3.1	3	27958	2.9	2.8
	38°F	35°F	29531	3.6	2.4	29147	3.5	2	28409	3.3	2.5
	47°F	43°F	30000	4.2	2.1	29610	4.0	2	28860	3.9	2.2
	57°F	52°F	30900	4.5	2.0	30498	4.4	2	29726	4.2	2.1
	68°F	63°F	32100	4.8	2.0	31683	4.6	2	30880	4.4	2.1
77°F	71°F	33000	5.0	1.9	32571	4.8	2	31746	4.6	2.0	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
110%	-22°F	-22.5°F	22600	1.8	3.7	22306	1.7	3.8	21741	1.6	3.9
	-5°F	-6°F	25240	2.0	3.7	24912	1.9	3.8	24281	1.8	3.9
	0°F	-1°F	26120	2.0	3.8	25780	2.0	3.8	25127	1.9	3.9
	5°F	3°F	27000	2.1	3.8	26649	2.0	3.8	25974	1.9	3.9
	7°F	5°F	27214	2.2	3.7	26861	2.1	3.7	26180	2.0	3.8
	17°F	15°F	28500	2.8	3.0	28130	2.7	3.1	27417	2.5	3.2
	28°F	26°F	29063	3.2	2.7	28685	3.1	2.7	27958	2.9	2.8
	38°F	35°F	29531	3.6	2.4	29147	3.5	2.4	28409	3.3	2.5
	47°F	43°F	30000	4.2	2.1	29610	4.0	2.1	28860	3.9	2.2
	57°F	52°F	30900	4.5	2.0	30498	4.4	2.1	29726	4.2	2.1
	68°F	63°F	32100	4.8	2.0	31683	4.6	2.0	30880	4.4	2.1
77°F	71°F	33000	5.0	1.9	32571	4.8	2.0	31746	4.6	2.0	
100%	-22°F	-22.5°F	22600	1.8	3.7	22306	1.7	3.8	21741	1.6	3.9
	-5°F	-6°F	25240	2.0	3.7	24912	1.9	3.8	24281	1.8	3.9
	0°F	-1°F	26120	2.0	3.8	25780	2.0	3.8	25127	1.9	3.9
	5°F	3°F	27000	2.1	3.8	26649	2.0	3.8	25974	1.9	3.9
	7°F	5°F	27214	2.2	3.7	26861	2.1	3.7	26180	2.0	3.8
	17°F	15°F	28500	2.8	3.0	28130	2.7	3.1	27417	2.5	3.2
	28°F	26°F	29063	3.2	2.7	28685	3.1	2.7	27958	2.9	2.8
	38°F	35°F	29531	3.6	2.4	29147	3.5	2.4	28409	3.3	2.5
	47°F	43°F	30000	4.2	2.1	29610	4.0	2.1	28860	3.9	2.2
	57°F	52°F	30900	4.5	2.0	30498	4.4	2.1	29726	4.2	2.1
	68°F	63°F	32100	4.8	2.0	31683	4.6	2.0	30880	4.4	2.1
77°F	71°F	33000	5.0	1.9	32571	4.8	2.0	31746	4.6	2.0	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
90%	-22°F	-22.5°F	21470	1.8	4	21191	1.7	4	20654	1.6	4
	-5°F	-6°F	23978	2.0	4	23666	1.9	4	23067	1.8	4
	0°F	-1°F	24814	2.0	4	24491	2.0	4	23871	1.9	4
	5°F	3°F	25650	2.1	4	25317	2.0	4	24675	1.9	4
	7°F	5°F	25854	2.2	4	25517	2.1	4	24871	2.0	4
	17°F	15°F	27075	2.7	3	26723	2.6	3	26046	2.5	3
	28°F	26°F	27609	3.2	3	27250	3.0	3	26560	2.9	3
	38°F	35°F	28055	3.6	2	27690	3.5	2	26989	3.3	2
	47°F	43°F	28500	4.1	2	28130	4.0	2	27417	3.8	2
	57°F	52°F	29355	4.5	2	28973	4.3	2	28240	4.1	2
	68°F	63°F	30495	4.7	2	30099	4.6	2	29336	4.3	2
77°F	71°F	31350	5.0	2	30942	4.8	2	30159	4.6	2	
80%	-22°F	-22.5°F	18532	1.7	3	18291	1.7	3	17828	1.6	3
	-5°F	-6°F	20697	1.9	3	20428	1.8	3	19910	1.8	3
	0°F	-1°F	21418	2.0	3	21140	1.9	3	20605	1.8	3
	5°F	3°F	22140	2.0	3	21852	2.0	3	21299	1.9	3
	7°F	5°F	22316	2.1	3	22026	2.0	3	21468	1.9	3
	17°F	15°F	23370	2.7	3	23066	2.6	3	22482	2.5	3
	28°F	26°F	23831	3.1	2	23521	3.0	2	22926	2.8	2
	38°F	35°F	24216	3.5	2	23901	3.4	2	23295	3.2	2
	47°F	43°F	24600	4.0	2	24280	3.9	2	23665	3.7	2
	57°F	52°F	25338	4.4	2	25009	4.2	2	24375	4.0	2
	68°F	63°F	26322	4.6	2	25980	4.4	2	25322	4.2	2
77°F	71°F	27060	4.8	2	26708	4.7	2	26032	4.5	2	



HEATING PERFORMANCE

Connected Capacity	Outdoor Ambient Temperature		Return Air Temperature								
			70°F (DB)			75°F (DB)			80°F (DB)		
			TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)	TC (Btu/h)	COP(W/W)	Power Input (KW)
DB	WB										
70%	-22°F	-22.5°F	16272	1.7	2.8	16060	1.7	3	15654	1.6	2.9
	-5°F	-6°F	18173	1.9	2.8	17937	1.8	3	17482	1.7	2.9
	0°F	-1°F	18806	2.0	2.8	18562	1.9	3	18092	1.8	2.9
	5°F	3°F	19440	2.0	2.8	19187	2.0	3	18701	1.9	3.0
	7°F	5°F	19594	2.1	2.7	19340	2.0	3	18850	1.9	2.9
	17°F	15°F	20520	2.7	2.3	20253	2.6	2	19740	2.4	2.4
	28°F	26°F	20925	3.1	2.0	20653	3.0	2	20130	2.8	2.1
	38°F	35°F	21263	3.5	1.8	20986	3.4	2	20455	3.2	1.9
	47°F	43°F	21600	4.0	1.6	21319	3.9	2	20779	3.7	1.6
	57°F	52°F	22248	4.3	1.5	21959	4.2	2	21403	4.0	1.6
	68°F	63°F	23112	4.6	1.5	22812	4.4	2	22234	4.2	1.5
77°F	71°F	23760	4.8	1.4	23451	4.7	1	22857	4.4	1.5	
60%	-22°F	-22.5°F	14012	1.7	2.4	13830	1.6	2	13480	1.6	2.5
	-5°F	-6°F	15649	1.9	2.4	15445	1.8	2	15054	1.7	2.5
	0°F	-1°F	16194	1.9	2.4	15984	1.9	2	15579	1.8	2.6
	5°F	3°F	16740	2.0	2.4	16522	1.9	3	16104	1.9	2.6
	7°F	5°F	16873	2.1	2.4	16654	2.0	2	16232	1.9	2.5
	17°F	15°F	17670	2.6	2.0	17440	2.6	2	16999	2.4	2.1
	28°F	26°F	18019	3.0	1.7	17785	2.9	2	17334	2.8	1.8
	38°F	35°F	18309	3.5	1.6	18071	3.3	2	17614	3.2	1.6
	47°F	43°F	18600	4.0	1.4	18358	3.9	1	17893	3.7	1.4
	57°F	52°F	19158	4.3	1.3	18909	4.2	1	18430	4.0	1.4
	68°F	63°F	19902	4.6	1.3	19643	4.4	1	19146	4.2	1.3
77°F	71°F	20460	4.8	1.3	20194	4.6	1	19683	4.4	1.3	



HEATING PERFORMANCE

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

