



Performance Data

Evaporator Fan Performance

7.5 Tons

Table 8. Belt drive evaporator fan performance - 7.5 tons with low gas heat - GCC90A(3,4)EL - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	1.12	748	1.28	773	1.43	
2700	—	—	—	—	—	—	—	—	—	—	718	1.26	742	1.39	766	1.51	789	1.64	815	1.76	
3000	—	—	—	—	—	—	710	1.25	735	1.37	761	1.49	784	1.61	808	1.74	832	1.86	863	2.02	
3300	—	—	—	—	724	1.36	749	1.49	776	1.63	803	1.77	829	1.89	861	2.06	883	2.18	906	2.31	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
2400	799	1.59	823	1.76	854	1.88	877	2.06	900	2.17	924	2.28	949	2.40	971	2.50	996	2.61	1020	2.71	
2700	841	1.88	872	2.04	897	2.16	921	2.27	944	2.38	967	2.50	990	2.62	1013	2.72	1036	2.82	1059	2.93	
3000	885	2.13	908	2.25	933	2.36	956	2.48	979	2.59	1002	2.70	1026	2.80	1049	2.91	1073	3.02	—	—	
3300	930	2.44	954	2.58	977	2.70	999	2.82	1025	2.93	1048	3.03	—	—	—	—	—	—	—	—	

Table 9. Belt drive evaporator fan performance - 7.5 tons with low gas heat - GCC90A(3,4)EL - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	711	1.02	734	1.18	759	1.32	
2700	—	—	—	—	—	—	—	—	—	—	—	—	728	1.28	752	1.40	775	1.52	801	1.65	
3000	—	—	—	—	—	—	—	—	721	1.26	747	1.39	768	1.51	794	1.64	818	1.76	849	1.91	
3300	—	—	—	—	713	1.26	739	1.39	766	1.52	789	1.67	815	1.79	847	1.95	869	2.08	892	2.20	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor											High Static (oversize) Motor										
2400	776	1.41	809	1.66	840	1.76	863	1.94	885	2.05	909	2.15	934	2.27	956	2.37	981	2.48	1005	2.58	
2700	827	1.77	858	1.93	882	2.03	906	2.15	929	2.26	952	2.38	975	2.49	998	2.60	1021	2.69	1044	2.80	
3000	871	2.03	894	2.14	918	2.25	943	2.37	966	2.47	988	2.58	1012	2.69	1037	2.79	1061	2.90	1084	3.01	
3300	915	2.34	939	2.47	962	2.59	985	2.70	1011	2.81	1034	2.90	1056	3.02	—	—	—	—	—	—	

Table 10. Belt drive evaporator fan performance - 7.5 tons with med gas heat - GCC90A(3,4)EM - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	723	1.11	746	1.27	771	1.41
2700	—	—	—	—	—	—	—	—	—	—	716	1.24	740	1.37	764	1.49	787	1.62	813	1.74	
3000	—	—	—	—	—	—	—	—	733	1.36	751	1.39	782	1.60	806	1.73	830	1.85	861	2.00	
3300	—	—	—	—	722	1.36	742	1.41	774	1.62	801	1.76	827	1.88	856	2.04	881	2.16	904	2.29	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor						High Static (oversize) Motor															
2400	797	1.57	821	1.74	852	1.84	875	2.02	898	2.13	922	2.24	946	2.36	968	2.46	993	2.57	1017	2.67	
2700	839	1.86	870	2.02	895	2.13	918	2.23	941	2.35	964	2.47	987	2.58	1010	2.68	1033	2.78	1056	2.89	
3000	883	2.11	906	2.23	931	2.34	953	2.45	976	2.56	999	2.67	1023	2.77	1046	2.87	1067	2.99	—	—	
3300	928	2.42	952	2.56	974	2.67	996	2.79	1022	2.90	1045	3.01	—	—	—	—	—	—	—	—	

Table 11. Belt drive evaporator fan performance - 7.5 tons with med gas heat - GCC90A(3,4)EM - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2400	—	—	—	—	—	—	—	—	—	—	—	—	713	1.09	737	1.21	760	1.37	785	1.52	
2700	—	—	—	—	—	—	—	—	—	—	730	1.35	754	1.48	778	1.60	801	1.73	827	1.85	
3000	—	—	—	—	—	—	722	1.34	747	1.46	773	1.58	796	1.70	820	1.83	844	1.95	875	2.11	
3300	—	—	—	—	736	1.45	761	1.58	788	1.72	815	1.86	841	1.98	873	2.15	895	2.27	918	2.40	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor						High Static (oversize) Motor															
2400	811	1.68	835	1.85	866	1.97	889	2.15	912	2.26	936	2.37	961	2.49	983	2.59	1008	2.70	1032	2.80	
2700	853	1.97	884	2.13	909	2.25	933	2.36	956	2.47	979	2.59	1002	2.71	1025	2.81	1048	2.91	1071	3.02	
3000	897	2.22	920	2.34	945	2.45	968	2.57	991	2.68	1014	2.79	1038	2.89	1061	3.00	—	—	—	—	
3300	942	2.53	966	2.67	989	2.79	1011	2.91	1037	3.02	—	—	—	—	—	—	—	—	—	—	



Performance Data

Table 12. Belt drive evaporator fan performance - 7.5 tons with high gas heat - GCC90A(3,4)EH - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	733	1.17	756	1.32	781	1.47	
2700	—	—	—	—	—	—	—	—	—	—	726	1.30	750	1.43	774	1.55	797	1.68	823	1.80	
3000	—	—	—	—	—	—	718	1.30	743	1.41	760	1.45	792	1.66	816	1.78	840	1.90	871	2.06	
3300	—	—	—	—	732	1.41	752	1.46	784	1.68	811	1.82	837	1.94	869	2.10	891	2.22	913	2.35	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor					High Static (oversize) Motor																
2400	807	1.63	831	1.80	862	1.96	884	2.08	907	2.19	931	2.30	956	2.42	978	2.52	1003	2.63	1027	2.73	
2700	849	1.92	879	2.08	904	2.18	928	2.29	951	2.41	974	2.52	997	2.63	1020	2.74	1043	2.84	1066	2.95	
3000	893	2.17	915	2.29	940	2.39	963	2.51	986	2.62	1009	2.73	1033	2.82	1056	2.93	1078	3.05	—	—	
3300	937	2.48	961	2.61	984	2.73	1006	2.85	1032	2.96	1055	3.07	—	—	—	—	—	—	—	—	

Table 13. Belt drive evaporator fan performance - 7.5 tons with high gas heat - GCC90A(3,4)EH - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2400	—	—	—	—	—	—	—	—	—	—	—	—	723	1.15	747	1.27	770	1.43	795	1.58	
2700	—	—	—	—	—	—	—	—	716	1.29	740	1.41	764	1.54	788	1.66	811	1.79	837	1.91	
3000	—	—	—	—	—	—	732	1.40	757	1.52	783	1.64	806	1.76	830	1.89	854	2.01	885	2.17	
3300	—	—	—	—	746	1.51	771	1.64	798	1.78	825	1.92	851	2.04	883	2.21	905	2.33	928	2.46	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor					High Static (oversize) Motor																
2400	821	1.74	845	1.91	876	2.09	899	2.21	922	2.32	946	2.43	971	2.55	993	2.65	1018	2.76	1042	2.86	
2700	863	2.03	894	2.19	919	2.31	943	2.42	966	2.53	989	2.65	1012	2.77	1035	2.87	1058	2.97	1081	3.08	
3000	907	2.28	930	2.40	955	2.51	978	2.63	1001	2.74	1024	2.85	1048	2.95	1071	3.06	—	—	—	—	
3300	952	2.59	976	2.73	999	2.85	1021	2.97	1047	3.08	—	—	—	—	—	—	—	—	—	—	

Table 14. Belt drive evaporator fan performance - 7.5 tons cooling only - ECC150A(3,4)E0 - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	714	1.05	739	1.20
2700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	732	1.27	755	1.40	781	1.52
3000	—	—	—	—	—	—	—	—	—	—	727	1.26	750	1.38	774	1.50	799	1.62	828	1.75	
3300	—	—	—	—	—	—	715	1.26	742	1.40	769	1.53	794	1.65	826	1.79	848	1.95	871	2.08	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor									High Static (oversize) Motor												
2400	765	1.35	789	1.51	820	1.64	843	1.76	866	1.93	889	2.03	914	2.15	936	2.25	961	2.36	985	2.46	
2700	800	1.58	837	1.77	862	1.92	886	2.03	909	2.14	932	2.25	955	2.37	978	2.47	1001	2.57	1024	2.68	
3000	850	1.87	873	2.02	898	2.12	921	2.24	944	2.35	967	2.46	991	2.56	1014	2.66	1038	2.77	1060	2.89	
3300	895	2.20	919	2.34	942	2.46	964	2.58	990	2.68	1013	2.78	1038	2.89	1051	3.01	—	—	—	—	

Table 15. Belt drive evaporator fan performance - 7.5 tons cooling only - ECC150A(3,4)E0 - horizontal airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
2400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	728	1.15	753	1.30
2700	—	—	—	—	—	—	—	—	—	—	—	—	722	1.26	746	1.38	769	1.51	795	1.63
3000	—	—	—	—	—	—	—	—	715	1.24	741	1.36	764	1.48	788	1.61	812	1.73	843	1.85
3300	—	—	—	—	—	—	729	1.36	756	1.50	783	1.64	809	1.76	841	1.89	863	2.05	886	2.18
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor									High Static (oversize) Motor											
2400	779	1.46	803	1.63	834	1.75	857	1.87	880	2.04	904	2.15	929	2.27	951	2.37	976	2.48	1000	2.58
2700	821	1.75	852	1.88	877	2.03	901	2.14	924	2.25	947	2.37	970	2.49	993	2.59	1016	2.69	1039	2.80
3000	865	1.97	888	2.12	913	2.23	936	2.35	959	2.46	982	2.57	1006	2.67	1029	2.78	1053	2.89	1075	3.01
3300	910	2.31	934	2.45	957	2.57	979	2.69	1005	2.80	1028	2.90	1053	3.01	—	—	—	—	—	—



Performance Data

8.5 Tons

Table 16. Belt drive evaporator fan performance - 8.5 tons with low gas heat - GCC102A(3,4)EL - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2700	—	—	—	—	—	—	—	—	—	—	752	1.17	779	1.34	804	1.50	830	1.66	855	1.82	
3050	—	—	—	—	—	—	—	—	—	745	1.18	771	1.35	796	1.52	820	1.69	845	1.86	878	2.18
3400	—	—	—	—	748	1.29	773	1.44	797	1.59	821	1.77	845	1.94	876	2.29	898	2.46	920	2.62	
3750	747	1.45	773	1.62	799	1.78	824	1.95	847	2.12	875	2.45	897	2.61	919	2.75	941	2.91	963	3.05	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
High Static (oversize) Motor																					
2700	878	1.95	910	2.21	932	2.30	954	2.43	977	2.57	999	2.70	1021	2.82	1043	2.96	1065	3.09	1087	3.21	
3050	900	2.34	922	2.49	944	2.60	966	2.72	988	2.85	1010	2.95	1032	3.04	1054	3.14	1076	3.22	1098	3.30	
3400	942	2.77	964	2.89	986	3.00	1008	3.09	1025	3.20	1051	3.30	1072	3.39	1095	3.47	1117	3.55	1140	3.66	
3750	985	3.20	1007	3.31	1029	3.41	1051	3.52	1071	3.63	1092	3.71	1116	3.82	1135	3.91	1158	4.01	1181	4.08	

Table 17. Belt drive evaporator fan performance - 8.5 tons with low gas heat - GCC102A(3,4)EL - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
2700	—	—	—	—	—	—	—	—	—	—	—	—	742	1.25	766	1.40	790	1.55	814	1.70	
3050	—	—	—	—	—	—	—	—	—	—	734	1.26	758	1.42	781	1.58	805	1.74	836	2.04	
3400	—	—	—	—	—	—	736	1.35	759	1.49	782	1.65	805	1.81	834	2.14	855	2.30	876	2.45	
3750	—	—	736	1.51	761	1.66	785	1.82	807	1.98	833	2.29	854	2.44	875	2.57	896	2.72	917	2.85	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
High Static (oversize) Motor																					
2700	836	1.82	867	2.07	888	2.15	909	2.27	930	2.40	951	2.52	972	2.64	993	2.77	1014	2.89	1035	3.00	
3050	857	2.19	878	2.33	899	2.43	920	2.54	941	2.66	962	2.76	983	2.84	1004	2.93	1025	3.01	1046	3.08	
3400	897	2.59	918	2.70	939	2.80	962	2.89	983	2.99	1001	3.08	1022	3.17	1042	3.24	1068	3.32	1084	3.42	
3750	938	2.99	959	3.09	980	3.19	1002	3.29	1022	3.39	1042	3.47	1063	3.57	1081	3.65	1103	3.75	1123	3.81	

Table 18. Belt drive evaporator fan performance - 8.5 tons with med gas heat - GCC102A(3,4)EM- downflow airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
2700	—	—	—	—	—	—	—	—	735	1.21	762	1.36	789	1.52	814	1.68	839	1.83	863	1.98
3050	—	—	—	—	—	—	—	—	771	1.35	796	1.52	820	1.69	845	1.86	878	2.18	900	2.34
3400	—	—	732	1.33	758	1.47	783	1.63	807	1.77	830	1.93	862	2.18	884	2.43	906	2.59	927	2.74
3750	755	1.64	783	1.79	809	1.94	833	2.11	861	2.43	883	2.58	904	2.73	926	2.87	948	3.02	969	3.15
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
High Static (oversize) Motor																				
2700	896	2.19	918	2.36	939	2.44	961	2.56	983	2.69	1004	2.82	1026	2.94	1048	3.07	1069	3.19	1091	3.30
3050	922	2.49	944	2.60	966	2.72	988	2.85	1010	2.95	1032	3.04	1054	3.14	1076	3.22	1098	3.30	1102	3.38
3400	949	2.89	970	3.00	992	3.10	1014	3.19	1035	3.29	1057	3.38	1078	3.47	1100	3.55	1122	3.63	1143	3.73
3750	991	3.29	1013	3.40	1034	3.50	1056	3.60	1077	3.70	1099	3.78	1121	3.88	1142	3.96	1164	4.05	1185	4.13

Table 19. Belt drive evaporator fan performance - 8.5 tons with med gas heat - GCC102A(3,4)EM- horizontal airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
2700	—	—	—	—	—	—	—	—	—	—	—	—	752	1.42	775	1.57	799	1.71	822	1.85
3050	—	—	—	—	—	—	—	—	—	—	744	1.43	767	1.59	790	1.74	823	2.02	844	2.18
3400	—	—	—	—	—	—	746	1.52	768	1.65	791	1.81	821	2.04	842	2.27	862	2.42	883	2.57
3750	—	—	746	1.67	770	1.81	794	1.98	820	2.27	841	2.41	861	2.56	882	2.68	903	2.82	923	2.94
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
High Static (oversize) Motor																				
2700	854	2.05	874	2.20	895	2.28	915	2.39	936	2.52	956	2.63	977	2.75	998	2.87	1018	2.98	1039	3.09
3050	864	2.32	885	2.45	906	2.55	926	2.65	947	2.76	967	2.86	988	2.94	1008	3.02	1029	3.10	1050	3.16
3400	904	2.70	924	2.80	945	2.90	965	2.98	986	3.08	1006	3.16	1027	3.24	1048	3.32	1068	3.39	1089	3.49
3750	944	3.08	964	3.17	985	3.27	1005	3.36	1026	3.46	1047	3.53	1067	3.63	1088	3.70	1108	3.78	1129	3.86



Performance Data

Table 20. Belt drive evaporator fan performance - 8.5 tons with high gas heat - GCC102A(3,4)EH - downflow airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				High Static (oversize) Motor
2700	—	—	—	—	—	—	—	—	753	1.28	780	1.44	805	1.61	831	1.77	856	1.93	881	2.09
3050	—	—	—	—	—	—	742	1.35	774	1.47	797	1.62	822	1.79	846	1.96	882	2.28	904	2.45
3400	—	—	744	1.44	775	1.57	799	1.71	823	1.86	847	2.03	880	2.39	902	2.56	924	2.73	946	2.89
3750	773	1.72	799	1.88	825	2.04	851	2.23	879	2.56	901	2.72	923	2.88	945	3.02	967	3.18	989	3.32
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
High Static (oversize) Motor																				
2700	915	2.33	937	2.48	959	2.57	981	2.70	1003	2.84	1025	2.96	1047	3.09	1069	3.23	1091	3.36	1113	3.48
3050	926	2.61	948	2.76	970	2.87	992	2.99	1014	3.11	1036	3.22	1058	3.31	1080	3.40	1103	3.49	1125	3.56
3400	968	3.04	990	3.16	1012	3.26	1034	3.36	1056	3.47	1078	3.56	1100	3.65	1122	3.73	1145	3.82	1167	3.93
3750	1011	3.47	1033	3.57	1055	3.68	1077	3.79	1099	3.89	1121	3.98	1143	4.09	1166	4.17	1188	4.26	1210	4.34

Table 21. Belt drive evaporator fan performance - 8.5 tons with high gas heat - GCC102A(3,4)EH - horizontal airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
2700	—	—	—	—	—	—	—	—	—	—	743	1.35	767	1.50	791	1.65	815	1.80	839	1.95
3050	—	—	—	—	—	—	—	—	737	1.37	759	1.51	783	1.67	806	1.83	840	2.13	861	2.29
3400	—	—	—	—	738	1.47	761	1.60	784	1.74	807	1.90	838	2.23	859	2.39	880	2.55	901	2.70
3750	736	1.61	761	1.76	786	1.91	810	2.08	837	2.39	858	2.54	879	2.69	900	2.82	921	2.97	942	3.10
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
High Static (oversize) Motor																				
2700	871	2.18	892	2.32	913	2.40	934	2.52	955	2.65	976	2.77	997	2.89	1018	3.02	1039	3.14	1060	3.25
3050	882	2.44	903	2.58	924	2.68	945	2.79	966	2.91	987	3.01	1008	3.09	1029	3.18	1050	3.26	1071	3.33
3400	922	2.84	943	2.95	964	3.05	985	3.14	1006	3.24	1027	3.33	1048	3.41	1069	3.49	1090	3.57	1111	3.67
3750	963	3.24	984	3.34	1005	3.44	1026	3.54	1047	3.64	1068	3.72	1089	3.82	1110	3.90	1131	3.98	1152	4.06

Table 22. Belt drive evaporator fan performance - 8.5 tons cooling only - ECC102A(3,4)E0 - downflow airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
2700	—	—	—	—	—	—	—	—	—	—	—	—	745	1.14	763	1.31	788	1.45	810	1.59
3050	—	—	—	—	—	—	—	—	732	1.22	753	1.38	775	1.49	799	1.64	819	1.80	840	1.94
3400	—	—	—	—	—	—	745	1.39	766	1.56	794	1.71	817	1.87	842	2.03	866	2.20	892	2.46
3750	—	—	733	1.52	756	1.67	784	1.81	801	1.93	828	2.09	853	2.25	877	2.52	902	2.68	927	2.82
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor					High Static (oversize) Motor															
2700	828	1.75	848	1.91	876	2.08	899	2.34	921	2.46	945	2.57	968	2.68	992	2.78	1016	2.88	1039	2.98
3050	867	2.22	890	2.35	915	2.47	934	2.59	958	2.70	980	2.80	1005	2.91	1028	3.01	1052	3.11	1073	3.20
3400	918	2.61	939	2.73	960	2.85	986	2.97	1008	3.08	1031	3.17	1050	3.27	1073	3.37	1090	3.47	1113	3.56
3750	951	2.95	974	3.08	994	3.19	1011	3.31	1035	3.42	1054	3.53	1076	3.63	1096	3.73	1120	3.83	1138	3.93

Table 23. Belt drive evaporator fan performance - 8.5 tons cooling only - ECC102A(3,4)E0 - horizontal airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
2700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	741	1.25	765	1.38	786	1.52
3050	—	—	—	—	—	—	—	—	—	—	731	1.31	752	1.42	776	1.56	795	1.71	816	1.85
3400	—	—	—	—	—	—	—	—	744	1.49	771	1.63	793	1.78	817	1.93	841	2.09	866	2.34
3750	—	—	—	—	734	1.59	761	1.72	778	1.84	804	1.99	828	2.14	851	2.40	876	2.55	900	2.69
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor					High Static (oversize) Motor															
2700	804	1.66	823	1.82	845	1.98	873	2.23	894	2.34	917	2.45	940	2.55	963	2.65	986	2.74	1009	2.84
3050	842	2.11	864	2.24	888	2.35	907	2.46	930	2.57	951	2.67	976	2.77	998	2.86	1021	2.96	1042	3.05
3400	891	2.48	912	2.60	932	2.72	957	2.83	979	2.93	1001	3.02	1019	3.12	1042	3.21	1058	3.30	1081	3.39
3750	923	2.81	946	2.93	965	3.04	982	3.15	1005	3.26	1023	3.36	1045	3.46	1064	3.55	1087	3.65	1105	3.74



Performance Data

10 Tons

Table 24. Belt drive evaporator fan performance - 10 tons with low gas heat - GCC120A(3,4)EL - downflow airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
3200	—	—	—	—	—	—	—	—	737	1.34	761	1.49	785	1.64	809	1.79	833	1.94	857	2.09
3600	—	—	—	—	739	1.46	760	1.58	782	1.72	804	1.86	828	2.02	851	2.18	875	2.34	906	2.64
4000	737	1.59	760	1.71	782	1.86	805	1.99	828	2.13	851	2.29	874	2.45	903	2.78	924	2.94	945	3.09
4400	780	2.03	805	2.18	830	2.33	854	2.49	876	2.65	902	2.96	923	3.11	944	3.24	965	3.39	986	3.52
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
High Static (oversize) Motor																				
3200	879	2.21	910	2.46	931	2.54	952	2.66	973	2.79	994	2.91	1015	3.03	1036	3.16	1057	3.28	1078	3.39
3600	927	2.79	948	2.93	969	3.03	990	3.14	1011	3.26	1032	3.36	1053	3.44	1074	3.53	1095	3.61	1116	3.68
4000	966	3.23	987	3.34	1008	3.44	1031	3.53	1052	3.63	1072	3.72	1093	3.81	1116	3.88	1137	3.96	1159	4.06
4400	1007	3.66	1028	3.76	1049	3.86	1071	3.96	1092	4.06	1113	4.14	1135	4.24	1156	4.32	1178	4.42	1201	4.48

Table 25. Belt drive evaporator fan performance - 10 tons with low gas heat - GCC120A(3,4)EL - horizontal airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
3200	—	—	—	—	—	—	729	1.36	753	1.51	777	1.66	801	1.81	825	1.96	849	2.11	873	2.26
3600	—	—	733	1.52	755	1.62	776	1.75	798	1.89	820	2.03	844	2.19	867	2.35	891	2.53	922	2.81
4000	753	1.76	776	1.88	798	2.02	821	2.16	844	2.31	867	2.45	892	2.61	919	2.95	940	3.11	961	3.26
4400	796	2.21	821	2.35	846	2.51	866	2.67	887	2.84	918	3.13	939	3.28	960	3.42	981	3.56	1002	3.69
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
High Static (oversize) Motor																				
3200	905	2.49	926	2.61	947	2.72	968	2.83	989	2.96	1010	3.08	1031	3.2	1052	3.33	1073	3.45	1094	3.56
3600	943	2.96	964	3.09	985	3.22	1006	3.32	1027	3.43	1048	3.53	1069	3.62	1090	3.69	1111	3.78	1132	3.85
4000	982	3.39	1003	3.51	1024	3.61	1045	3.69	1066	3.81	1087	3.89	1108	3.97	1129	4.05	1150	4.13	1171	4.22
4400	1023	3.82	1044	3.93	1065	4.03	1086	4.13	1107	4.23	1128	4.32	1149	4.41	1170	4.49	1191	4.57	1212	4.65

Table 26. Belt drive evaporator fan performance - 10 tons with med gas heat - GCC120A(3,4)EM- downflow airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
3200	—	—	—	—	—	—	738	1.44	762	1.59	786	1.74	810	1.89	834	2.04	858	2.19	882	2.34
3600	—	—	742	1.59	764	1.71	785	1.83	807	1.97	829	2.11	853	2.27	876	2.43	910	2.73	931	2.89
4000	762	1.84	785	1.96	807	2.11	830	2.24	853	2.38	876	2.54	907	2.87	928	3.03	949	3.19	970	3.34
4400	805	2.28	830	2.43	855	2.58	879	2.75	906	3.06	927	3.21	948	3.36	969	3.49	990	3.64	1011	3.77
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
High Static (oversize) Motor																				
3200	914	2.57	935	2.71	956	2.79	977	2.91	998	3.04	1019	3.16	1040	3.28	1061	3.41	1082	3.53	1103	3.64
3600	952	3.04	973	3.18	994	3.28	1015	3.39	1036	3.51	1057	3.61	1078	3.69	1099	3.78	1120	3.86	1141	3.93
4000	991	3.48	1012	3.59	1033	3.69	1054	3.78	1075	3.88	1096	3.97	1117	4.05	1138	4.13	1159	4.21	1180	4.31
4400	1032	3.91	1053	4.01	1074	4.11	1095	4.21	1116	4.31	1137	4.39	1158	4.49	1179	4.57	1200	4.65	1221	4.73

Table 27. Belt drive evaporator fan performance - 10 tons with med gas heat - GCC120A(3,4)EM - horizontal airflow

External Static Pressure (Inches of Water)																				
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
3200	—	—	—	—	—	—	754	1.62	778	1.77	802	1.92	826	2.07	850	2.22	874	2.37	898	2.52
3600	736	1.67	758	1.78	780	1.88	801	2.01	823	2.15	845	2.29	869	2.45	892	2.61	926	2.91	947	3.07
4000	778	2.02	801	2.14	823	2.28	846	2.42	869	2.56	902	2.88	923	3.05	944	3.21	965	3.37	986	3.52
4400	821	2.46	846	2.61	871	2.76	901	3.08	922	3.24	943	3.39	964	3.54	985	3.68	1006	3.82	1027	3.95
External Static Pressure (Inches of Water)																				
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
High Static (oversize) Motor																				
3200	930	2.75	951	2.88	972	2.98	993	3.09	1014	3.22	1035	3.34	1056	3.46	1077	3.59	1098	3.71	1119	3.82
3600	968	3.22	989	3.35	1010	3.47	1031	3.58	1052	3.69	1073	3.79	1094	3.88	1115	3.96	1136	4.04	1157	4.11
4000	1007	3.66	1028	3.77	1049	3.87	1070	3.96	1091	4.06	1112	4.15	1133	4.23	1154	4.31	1175	4.39	1196	4.48
4400	1048	4.08	1069	4.19	1090	4.29	1111	4.39	1132	4.49	1153	4.58	1174	4.67	1195	4.75	1216	4.83	1237	4.91



Performance Data

Table 28. Belt drive evaporator fan performance - 10 tons with high gas heat - GCC120A(3,4)EH - downflow airflow

CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
3200	—	—	—	—	—	—	738	1.44	762	1.59	786	1.74	810	1.89	834	2.04	858	2.19	882	2.34
3600	—	—	742	1.59	764	1.71	785	1.83	807	1.97	829	2.11	853	2.27	876	2.43	910	2.73	931	2.89
4000	762	1.84	785	1.96	807	2.11	830	2.24	853	2.38	876	2.54	907	2.87	928	3.03	949	3.19	970	3.34
4400	805	2.28	830	2.43	855	2.58	879	2.75	906	3.06	927	3.21	948	3.36	969	3.49	990	3.64	1011	3.77
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
High Static (oversize) Motor																				
3200	914	2.57	935	2.71	956	2.79	977	2.91	998	3.04	1019	3.16	1040	3.28	1061	3.41	1082	3.53	1103	3.64
3600	952	3.04	973	3.18	994	3.28	1015	3.39	1036	3.51	1057	3.61	1078	3.69	1099	3.78	1120	3.86	1141	3.93
4000	991	3.48	1012	3.59	1033	3.69	1054	3.78	1075	3.88	1096	3.97	1117	4.05	1138	4.13	1159	4.21	1180	4.31
4400	1032	3.91	1053	4.01	1074	4.11	1095	4.21	1116	4.31	1137	4.39	1158	4.49	1179	4.57	1200	4.65	1221	4.73

Table 29. Belt drive evaporator fan performance - 10 tons with high gas heat - GCC120A(3,4)EH - horizontal airflow

CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
Standard Motor																				
3200	—	—	—	—	—	—	754	1.62	778	1.77	802	1.92	826	2.07	850	2.22	874	2.37	898	2.52
3600	736	1.67	758	1.78	780	1.88	801	2.01	823	2.15	845	2.29	869	2.45	892	2.61	926	2.91	947	3.07
4000	778	2.02	801	2.14	823	2.28	846	2.42	869	2.56	902	2.88	923	3.05	944	3.21	965	3.37	986	3.52
4400	821	2.46	846	2.61	871	2.76	901	3.08	922	3.24	943	3.39	964	3.54	985	3.68	1006	3.82	1027	3.95
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
High Static (oversize) Motor																				
3200	930	2.75	951	2.88	972	2.98	993	3.09	1014	3.22	1035	3.34	1056	3.46	1077	3.59	1098	3.71	1119	3.82
3600	968	3.22	989	3.35	1010	3.47	1031	3.58	1052	3.69	1073	3.79	1094	3.88	1115	3.96	1136	4.04	1157	4.11
4000	1007	3.66	1028	3.77	1049	3.87	1070	3.96	1091	4.06	1112	4.15	1133	4.23	1154	4.31	1175	4.39	1196	4.48
4400	1048	4.08	1069	4.19	1090	4.29	1111	4.39	1132	4.49	1153	4.58	1174	4.67	1195	4.75	1216	4.83	1237	4.91

Table 30. Belt drive evaporator fan performance - 10 tons cooling only - ECC120A(3,4)E0 - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
3200	—	—	—	—	—	—	—	—	—	—	—	—	758	1.55	782	1.69	807	1.84	833	2.01	
3600	—	—	—	—	—	—	—	—	736	1.55	770	1.83	798	1.95	820	2.09	845	2.26	870	2.41	
4000	—	—	—	—	—	—	752	1.85	782	2.06	809	2.21	836	2.37	860	2.54	882	2.71	914	2.99	
4400	—	—	745	2.08	772	2.19	799	2.34	825	2.47	852	2.63	876	2.79	909	3.08	934	3.24	958	3.39	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor											High Static (oversize) Motor										
3200	858	2.17	881	2.34	913	2.62	936	2.74	959	2.85	982	2.96	1005	3.07	1028	3.17	1051	3.27	1074	3.37	
3600	896	2.59	926	2.84	949	2.96	972	3.08	995	3.19	1018	3.3	1041	3.41	1064	3.51	1087	3.61	1110	3.71	
4000	939	3.14	962	3.27	985	3.39	1008	3.51	1031	3.62	1054	3.72	1077	3.82	1100	3.92	1123	4.02	1146	4.12	
4400	981	3.52	1004	3.65	1027	3.77	1050	3.89	1073	3.99	1096	4.11	1119	4.22	1142	4.32	1165	4.42	1188	4.52	

Table 31. Belt drive evaporator fan performance - 10 tons cooling only - ECC120A(3,4)E0 - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
3200	—	—	—	—	—	—	—	—	—	—	747	1.61	774	1.73	798	1.87	823	2.02	849	2.18	
3600	—	—	—	—	—	—	—	—	752	1.73	786	2.01	814	2.13	836	2.28	861	2.44	886	2.59	
4000	—	—	—	—	742	1.85	768	2.03	798	2.24	825	2.39	852	2.55	876	2.72	898	2.89	930	3.16	
4400	735	2.17	761	2.26	788	2.38	815	2.52	841	2.65	868	2.81	892	2.97	925	3.25	950	3.41	974	3.56	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor											High Static (oversize) Motor										
3200	874	2.35	897	2.52	929	2.79	952	2.91	975	3.02	998	3.13	1021	3.24	1044	3.34	1067	3.44	1090	3.54	
3600	919	2.87	942	3.01	965	3.13	988	3.25	1011	3.36	1034	3.47	1057	3.58	1080	3.68	1103	3.78	1126	3.88	
4000	955	3.31	978	3.44	1001	3.56	1024	3.68	1047	3.79	1070	3.89	1093	3.99	1116	4.09	1139	4.19	1162	4.29	
4400	997	3.69	1020	3.82	1043	3.94	1066	4.06	1089	4.17	1112	4.28	1135	4.39	1158	4.49	1181	4.59	1204	4.69	



Performance Data

12.5 Tons

Table 32. Belt drive evaporator fan performance - 12.5 tons with low heat heat - GCC150A(3,4)EL - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
4000	—	—	—	—	—	—	793	2.09	820	2.24	847	2.38	873	2.52	899	2.66	924	2.77	949	2.89	
4500	—	—	791	2.23	816	2.41	842	2.58	869	2.76	897	2.91	925	3.19	951	3.37	977	3.53	1002	3.69	
5000	822	2.56	848	2.76	874	2.93	899	3.26	924	3.41	950	3.59	976	3.77	1001	3.96	1028	4.11	1056	4.27	
5500	873	2.99	899	3.31	925	3.46	950	3.63	975	3.81	999	3.99	1024	4.17	1049	4.36	1075	4.53	1101	4.71	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
4000	973	3.12	997	3.26	1020	3.37	1043	3.48	1065	3.59	1087	3.73	1108	3.86	1129	3.97	1149	4.09	1169	4.18	
4500	1026	3.86	1050	4.01	1073	4.16	1095	4.31	1117	4.44	1141	4.56	1166	4.64	1191	4.72	1213	4.79	1235	4.86	
5000	1083	4.42	1109	4.57	1135	4.72	1160	4.87	1185	5.02	1212	5.18	1236	5.33	—	—	—	—	—	—	
5500	1125	4.89	1149	5.07	1181	5.22	1204	5.34	1228	5.49	—	—	—	—	—	—	—	—	—	—	

Table 33. Belt drive evaporator fan performance - 12.5 tons with low gas heat - GCC150A(3,4)EL - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
4000	—	—	—	—	773	2.03	801	2.18	828	2.33	855	2.47	881	2.61	907	2.74	932	2.86	957	2.98	
4500	—	—	799	2.32	824	2.51	850	2.67	877	2.84	905	3.02	933	3.28	959	3.46	985	3.62	1010	3.78	
5000	830	2.65	856	2.84	882	3.02	915	3.34	932	3.52	958	3.68	984	3.86	1009	4.04	1036	4.21	1064	4.36	
5500	881	3.08	916	3.41	937	3.54	958	3.72	983	3.89	1007	4.08	1032	4.26	1057	4.44	1083	4.62	1109	4.79	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
4000	981	3.21	1005	3.34	1028	3.46	1051	3.57	1073	3.68	1095	3.82	1116	3.94	1137	4.06	1157	4.18	1177	4.27	
4500	1034	3.94	1058	4.12	1081	4.25	1103	4.40	1125	4.53	1149	4.64	1174	4.73	1199	4.81	1221	4.88	1243	4.94	
5000	1091	4.51	1117	4.66	1143	4.81	1168	4.96	1193	5.11	1218	5.24	—	—	—	—	—	—	—	—	
5500	1133	4.98	1157	5.16	1183	5.29	1211	5.42	—	—	—	—	—	—	—	—	—	—	—	—	

Table 34. Belt drive evaporator fan performance - 12.5 tons with med gas heat - GCC150A(3,4)EM- downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
4000	—	—	—	—	783	2.09	811	2.24	838	2.39	865	2.53	891	2.67	917	2.81	942	2.92	967	3.04	
4500	—	—	809	2.38	834	2.56	860	2.73	887	2.91	915	3.06	943	3.34	969	3.52	995	3.68	1020	3.84	
5000	840	2.71	866	2.91	892	3.08	917	3.41	942	3.56	968	3.74	994	3.92	1019	4.11	1046	4.26	1074	4.42	
5500	891	3.14	917	3.46	943	3.61	968	3.78	993	3.96	1017	4.14	1042	4.32	1067	4.51	1093	4.68	1119	4.86	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
4000	991	3.27	1015	3.41	1038	3.52	1061	3.63	1083	3.74	1105	3.88	1126	4.01	1147	4.12	1167	4.24	1187	4.33	
4500	1044	4.01	1068	4.16	1091	4.31	1113	4.46	1135	4.59	1159	4.71	1184	4.79	1209	4.87	1231	4.94	1253	5.01	
5000	1101	4.57	1127	4.72	1153	4.87	1178	5.02	1203	5.17	1230	5.33	—	—	—	—	—	—	—	—	
5500	1143	5.04	1167	5.22	1199	5.37	1222	5.49	—	—	—	—	—	—	—	—	—	—	—	—	

Table 35. Belt drive evaporator fan performance - 12.5 tons with med gas heat - GCC150A(3,4)EM - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
4000	—	—	770	2.07	798	2.24	826	2.39	853	2.54	880	2.68	906	2.82	932	2.95	957	3.07	982	3.19	
4500	802	2.35	824	2.53	849	2.71	875	2.88	902	3.05	930	3.21	958	3.49	984	3.67	1010	3.83	1035	3.99	
5000	855	2.86	881	3.05	907	3.23	932	3.55	957	3.71	983	3.89	1009	4.07	1034	4.25	1061	4.41	1089	4.57	
5500	906	3.29	932	3.61	958	3.75	983	3.93	1008	4.11	1032	4.29	1057	4.47	1082	4.65	1108	4.83	1134	5.01	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
4000	1006	3.42	1030	3.55	1053	3.67	1076	3.78	1098	3.89	1120	4.03	1141	4.15	1162	4.27	1182	4.39	1202	4.48	
4500	1059	4.15	1083	4.31	1106	4.46	1128	4.61	1150	4.74	1174	4.85	1199	4.94	1224	5.02	1246	5.09	1268	5.15	
5000	1116	4.72	1142	4.87	1168	5.02	1193	5.17	1218	5.32	—	—	—	—	—	—	—	—	—	—	
5500	1158	5.19	1182	5.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	



Performance Data

Table 36. Belt drive evaporator fan performance - 12.5 tons with high gas heat - GCC150A(3,4)EH - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
4000	—	—	—	—	783	2.09	811	2.24	838	2.39	865	2.53	891	2.67	917	2.81	942	2.92	967	3.04	
4500	—	—	809	2.38	834	2.56	860	2.73	887	2.91	915	3.06	943	3.34	969	3.52	995	3.68	1020	3.84	
5000	840	2.71	866	2.91	892	3.08	917	3.41	942	3.56	968	3.74	994	3.92	1019	4.11	1046	4.26	1074	4.42	
5500	891	3.14	917	3.46	943	3.61	968	3.78	993	3.96	1017	4.14	1042	4.32	1067	4.51	1093	4.68	1119	4.86	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
4000	991	3.27	1015	3.41	1038	3.52	1061	3.63	1083	3.74	1105	3.88	1126	4.01	1147	4.12	1167	4.24	1187	4.33	
4500	1044	4.01	1068	4.16	1091	4.31	1113	4.46	1135	4.59	1159	4.71	1184	4.79	1209	4.87	1231	4.94	1253	5.01	
5000	1101	4.57	1127	4.72	1153	4.87	1178	5.02	1203	5.17	1230	5.33	—	—	—	—	—	—	—	—	
5500	1143	5.04	1167	5.22	1199	5.37	1222	5.49	—	—	—	—	—	—	—	—	—	—	—	—	

Table 37. Belt drive evaporator fan performance - 12.5 tons with high gas heat - GCC150A(3,4)EH - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
4000	—	—	770	2.07	798	2.24	826	2.39	853	2.54	880	2.68	906	2.82	932	2.95	957	3.07	982	3.19	
4500	802	2.35	824	2.53	849	2.71	875	2.88	902	3.05	930	3.21	958	3.49	984	3.67	1010	3.83	1035	3.99	
5000	855	2.86	881	3.05	907	3.23	932	3.55	957	3.71	983	3.89	1009	4.07	1034	4.25	1061	4.41	1089	4.57	
5500	906	3.29	932	3.61	958	3.75	983	3.93	1008	4.11	1032	4.29	1057	4.47	1082	4.65	1108	4.83	1134	5.01	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
4000	1006	3.42	1030	3.55	1053	3.67	1076	3.78	1098	3.89	1120	4.03	1141	4.15	1162	4.27	1182	4.39	1202	4.48	
4500	1059	4.15	1083	4.31	1106	4.46	1128	4.61	1150	4.74	1174	4.85	1199	4.94	1224	5.02	1246	5.09	1268	5.15	
5000	1116	4.72	1142	4.87	1168	5.02	1193	5.17	1218	5.32	—	—	—	—	—	—	—	—	—	—	
5500	1158	5.19	1182	5.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Table 38. Belt drive evaporator fan performance - 12.5 tons cooling only - ECC150A(3,4)E0 - downflow airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
4000	—	—	—	—	—	—	747	1.89	769	2.06	790	2.23	811	2.38	833	2.57	856	2.74	879	2.91	
4500	—	—	759	2.12	787	2.35	808	2.52	829	2.69	851	2.86	874	3.03	906	3.31	929	3.46	952	3.58	
5000	807	2.52	828	2.68	854	2.85	871	3.02	903	3.31	928	3.46	952	3.62	976	3.78	999	3.93	1022	4.07	
5500	870	2.99	882	3.15	914	3.43	937	3.59	960	3.75	983	3.91	1006	4.06	1029	4.22	1052	4.38	1075	4.52	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
4000	911	3.19	932	3.33	952	3.45	972	3.56	992	3.66	1011	3.76	1030	3.86	1050	3.95	1071	4.04	1094	4.14	
4500	974	3.74	995	3.88	1015	4.01	1035	4.11	1055	4.21	1074	4.31	1093	4.41	1113	4.51	1134	4.59	1157	4.69	
5000	1044	4.21	1065	4.34	1085	4.46	1105	4.58	1125	4.68	1144	4.78	1163	4.88	1183	4.98	1204	5.08	1227	5.18	
5500	1097	4.66	1118	4.79	1138	4.91	1158	5.02	1178	5.12	1197	5.22	1216	5.32	—	—	—	—	—	—	

Table 39. Belt drive evaporator fan performance - 12.5 tons cooling only - ECC150A(3,4)E0 - horizontal airflow

External Static Pressure (Inches of Water)																					
CFM	0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8		0.9		1.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
Standard Motor																					
4000	—	—	—	—	742	1.85	763	2.02	785	2.19	806	2.36	827	2.53	849	2.7	872	2.87	895	3.04	
4500	745	2.06	775	2.25	803	2.48	824	2.65	845	2.82	867	2.99	890	3.16	922	3.44	945	3.59	968	3.73	
5000	823	2.65	844	2.81	870	2.98	887	3.15	919	3.43	944	3.59	968	3.75	992	3.91	1015	4.06	1038	4.2	
5500	886	3.12	898	3.28	930	3.56	953	3.72	976	3.88	999	4.04	1022	4.19	1045	4.35	1068	4.51	1091	4.65	
External Static Pressure (Inches of Water)																					
CFM	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
High Static (oversize) Motor																					
4000	927	3.32	948	3.46	968	3.58	988	3.69	1008	3.79	1027	3.89	1046	3.99	1066	4.08	1087	4.17	1110	4.27	
4500	990	3.87	1011	4.01	1031	4.13	1051	4.24	1071	4.34	1090	4.44	1109	4.54	1129	4.63	1150	4.72	1173	4.82	
5000	1060	4.34	1081	4.47	1101	4.59	1121	4.71	1141	4.81	1160	4.91	1179	5.01	1199	5.11	1220	5.21	1243	5.31	
5500	1113	4.79	1134	4.92	1154	5.04	1174	5.15	1194	5.25	1213	5.35	1232	5.45	—	—	—	—	—	—	

Notes:

1. The air distribution system has the greatest effect on airflow. The duct system is totally controlled by the contractor. For this reason, the contractor should use only industry-recognized procedures.
2. Each ton of cooling requires between 300 and 450 cubic feet of air per minute (CFM), or 320 CFM nominally.
3. Duct design and construction should be carefully done. System performance can be lowered dramatically through bad planning or workmanship.
4. Air supply diffusers must be selected and located carefully. They must be sized and positioned to deliver treated air along the perimeter of the space. If they are too small for their intended airflow, they become noisy. If they are not located properly, they cause drafts. Return air grilles must be properly sized to carry air back to the blower. If they are too small, they also cause noise.
5. The installers should balance the air distribution system to ensure proper quiet airflow to all rooms in the home. This ensures a comfortable living space.
6. An air velocity meter or airflow hood can give a reading of system CFM.



Performance Data

Table 40. Standard motor and drive/fan speed (rpm)

Tons	Unit Model Number	Fan Sheave	6 Turns Open	5 Turns Open	4 Turns Open	3 Turns Open	2 Turns Open	1 Turn Open	Closed
7.5	ECC090	15-15	716	743	772	798	824	850	879
	GCC090								
8.5	ECC102	15-15	735	762	790	817	844	871	898
	GCC102								
10	ECC120	15-15	735	762	790	817	844	871	898
	GCC120								
12.5	ECC150	15-16	735	762	790	817	844	871	898
	GCC150		770	806	843	878	912	948	982

Note: Factory Set at closed.

Table 41. High Static (Oversize) motor and drive/fan speed (rpm)

Tons	Unit Model Number	Fan Sheave	6 Turn Open	5 Turn Open	4 Turn Open	3 Turn Open	2 Turn Open	1 Turn Open	Closed
7.5	ECC090	15-15	885	946	978	1047	1108	1175	1229
	GCC090								
8.5	ECC102	15-15	900	959	994	1060	1124	1189	1243
	GCC102								
10	ECC120	15-15	900	959	994	1060	1124	1189	1243
	GCC120								
12.5	ECC150	15-16	916	975	1031	1090	1148	1209	1268
	GCC150								

Note: Factory Set at closed.

Table 42. Static pressure drop through accessories (inches water column)

Tons	Unit Model Number	Cfm	Standard Filters	Standard Economizer	Electric Heater					
					10.4	16	25	32	41	50
7.5	E/GCC090A (Downflow)	2400	0.01	—	0.005	0.005	0.050	0.01	0.01	—
		3000	0.03	—	0.010	0.010	0.010	0.02	0.02	—
		3375	0.04	—	0.015	0.015	0.015	0.03	0.03	—
	E/GCC090A (Horizontal)	2400	0.01	—	0.005	0.005	0.050	0.01	0.01	—
		3000	0.03	—	0.010	0.010	0.010	0.02	0.02	—
		3375	0.04	—	0.015	0.015	0.015	0.03	0.03	—
8.5	E/GCC102A (Downflow)	2720	0.02	—	0.010	0.010	0.010	0.02	0.02	—
		3400	0.04	—	0.015	0.015	0.015	0.03	0.03	—
		3825	0.05	—	0.020	0.020	0.020	0.04	0.04	—
	E/GCC102A (Horizontal)	2720	0.02	—	0.010	0.010	0.010	0.02	0.02	—
		3400	0.04	—	0.015	0.015	0.015	0.03	0.03	—
		3825	0.05	—	0.020	0.020	0.020	0.04	0.04	—
10	E/GCC120A (Downflow)	3200	0.03	—	0.015	0.015	—	0.03	0.03	0.03
		4000	0.05	—	0.020	0.020	—	0.04	0.04	0.04
		4500	0.07	—	0.025	0.025	—	0.05	0.05	0.05
	E/GCC120A (Horizontal)	3200	0.03	—	0.015	0.015	—	0.03	0.03	0.03
		4000	0.05	—	0.020	0.020	—	0.04	0.04	0.04
		4500	0.07	—	0.025	0.025	—	0.05	0.05	0.05
12.5	E/GCC150A (Downflow)	4000	0.05	—	0.020	0.020	—	0.04	0.04	0.04
		5000	0.07	—	0.030	0.030	—	0.06	0.06	0.06
		5625	0.09	—	0.035	0.035	—	0.07	0.07	0.07
	E/GCC150A (Horizontal)	4000	0.05	—	0.020	0.020	—	0.04	0.04	0.04
		5000	0.07	—	0.030	0.030	—	0.06	0.06	0.06
		5625	0.09	—	0.035	0.035	—	0.07	0.07	0.07