

8.5 Ton Cooler • High Static Direct Drive
Models: DHC1023W, DHC1024W, DHC1027W

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1	0.2	2160	472	0.37	T1	0.2	2209	462	0.36
	0.4	1958	530	0.41		0.4	2046	524	0.41
	0.6	1703	601	0.46		0.6	1841	600	0.46
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T2	0.2	3814	703	1.34	T2	0.2	3804	692	1.32
	0.4	3652	747	1.42		0.4	3698	735	1.40
	0.6	3489	790	1.50		0.6	3595	776	1.48
	0.8	3305	832	1.59		0.8	3480	817	1.56
	1.0	3125	872	1.66		1.0	3364	856	1.63
	1.2	2941	912	1.74		1.2	3260	893	1.70
	1.4	2743	952	1.81		1.4	3151	931	1.77
	1.6	2559	987	1.88		1.6	3040	962	1.83
	1.8	2366	1021	1.94		1.8	2932	993	1.89
	2.0	2212	1048	2.00		2.0	2815	1025	1.95
T3	0.2	3131	609	0.83	T3	0.2	3133	601	0.82
	0.4	2967	657	0.90		0.4	3017	647	0.89
	0.6	2774	709	0.97		0.6	2858	699	0.96
	0.8	2605	750	1.03		0.8	2787	735	1.01
	1.0	-	-	-		1.0	2630	787	1.08
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T4	0.2	-	-	-	T4	0.2	4246	843	2.08
	0.4	-	-	-		0.4	4137	873	2.15
	0.6	4136	866	2.13		0.6	4028	904	2.23
	0.8	3938	906	2.23		0.8	3952	929	2.29
	1.0	3756	941	2.32		1.0	3867	956	2.36
	1.2	3582	977	2.41		1.2	3787	982	2.42
	1.4	3379	1011	2.49		1.4	3712	1008	2.48
	1.6	3208	1043	2.57		1.6	3643	1034	2.55
	1.8	3024	1081	2.66		1.8	3603	1054	2.60
	2.0	2816	1099	2.71		2.0	3500	1087	2.68
T5	0.2	-	-	-	T5	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	4124	975	2.71		1.0	-	-	-
	1.2	3958	1008	2.81		1.2	4251	984	2.74
	1.4	3757	1040	2.90		1.4	4143	1018	2.84
	1.6	3584	1071	2.98		1.6	4050	1049	2.92
	1.8	3395	1102	3.07		1.8	3952	1081	3.01
	2.0	3209	1130	3.15		2.0	3847	1112	3.10
T6	0.2	4123	746	1.62	T6	0.2	4124	729	1.58
	0.4	3966	787	1.71		0.4	4013	771	1.67
	0.6	3807	827	1.79		0.6	3905	811	1.76
	0.8	3628	867	1.88		0.8	3797	850	1.84
	1.0	3460	905	1.96		1.0	3689	886	1.92
	1.2	3275	942	2.0		1.2	3586	923	2.0
	1.4	3085	980	2.12		1.4	3479	958	2.08
	1.6	2908	1013	2.19		1.6	3380	991	2.15
	1.8	-	-	-		1.8	3289	1023	2.22
	2.0	-	-	-		2.0	3174	1051	2.28

8.5 Ton Cooler • High Static Direct Drive
Models: DHC1023W, DHC1024W, DHC1027W

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T7	0.2	-	-	-	T7	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	4124	975	2.71		1.0	-	-	-
	1.2	3958	1008	2.81		1.2	4251	984	2.74
	1.4	3757	1040	2.90		1.4	4143	1018	2.84
	1.6	3584	1071	2.98		1.6	4050	1049	2.92
	1.8	3395	1102	3.07		1.8	3952	1081	3.01
	2.0	3209	1130	3.15		2.0	3847	1112	3.10
T8	0.2	4123	746	1.62	T8	0.2	4124	729	1.58
	0.4	3966	787	1.71		0.4	4013	771	1.67
	0.6	3807	827	1.79		0.6	3905	811	1.76
	0.8	3628	867	1.88		0.8	3797	850	1.84
	1.0	3460	905	1.96		1.0	3689	886	1.92
	1.2	3275	942	2.0		1.2	3586	923	2.0
	1.4	3085	980	2.12		1.4	3479	958	2.08
	1.6	2908	1013	2.19		1.6	3380	991	2.15
	1.8	-	-	-		1.8	3289	1023	2.22
	2.0	-	-	-		2.0	3174	1051	2.28
T9	0.2	-	-	-	T9	0.2	4246	843	2.08
	0.4	-	-	-		0.4	4137	873	2.15
	0.6	4136	866	2.13		0.6	4028	904	2.23
	0.8	3938	906	2.23		0.8	3952	929	2.29
	1.0	3756	941	2.32		1.0	3867	956	2.36
	1.2	3582	977	2.41		1.2	3787	982	2.42
	1.4	3379	1011	2.49		1.4	3712	1008	2.48
	1.6	3208	1043	2.57		1.6	3643	1034	2.55
	1.8	3024	1081	2.66		1.8	3603	1054	2.60
	2.0	2816	1099	2.71		2.0	3500	1087	2.68
T10	0.2	-	-	-	T10	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	4124	975	2.71		1.0	-	-	-
	1.2	3958	1008	2.81		1.2	4251	984	2.74
	1.4	3757	1040	2.90		1.4	4143	1018	2.84
	1.6	3584	1071	2.98		1.6	4050	1049	2.92
	1.8	3395	1102	3.07		1.8	3952	1081	3.01
	2.0	3209	1130	3.15		2.0	3847	1112	3.10

10.0 Ton Cooler • Standard Static Direct Drive

Models: DHC1203D, DHC1204D, DHC1207D

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1	0.2	2217	420	0.32
	0.4	2010	507	0.38
	0.6	-	-	-
	0.8	-	-	-
T2	0.2	3329	554	0.76
	0.4	3207	606	0.83
	0.6	3013	672	0.92
	0.8	2748	751	1.03
T3	0.2	3702	596	0.97
	0.4	3587	644	1.05
	0.6	3402	702	1.14
	0.8	3280	751	1.23
T4	0.2	4280	662	1.39
	0.4	4143	709	1.49
	0.6	4005	756	1.58
	0.8	3886	802	1.68
T5	0.2	4485	685	1.56
	0.4	4357	732	1.66
	0.6	4225	778	1.77
	0.8	4113	822	1.87
T6	0.2	3702	596	0.97
	0.4	3587	644	1.05
	0.6	3402	702	1.14
	0.8	3280	751	1.23
T7	0.2	4485	685	1.56
	0.4	4357	732	1.66
	0.6	4225	778	1.77
	0.8	4113	822	1.87
T8	0.2	3702	596	0.97
	0.4	3587	644	1.05
	0.6	3402	702	1.14
	0.8	3280	751	1.23
T9	0.2	4280	662	1.39
	0.4	4143	709	1.49
	0.6	4005	756	1.58
	0.8	3886	802	1.68
T10	0.2	4485	685	1.56
	0.4	4357	732	1.66
	0.6	4225	778	1.77
	0.8	4113	822	1.87

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1	0.2	2246	427	0.32
	0.4	1986	518	0.39
	0.6	-	-	-
	0.8	-	-	-
T2	0.2	3318	567	0.78
	0.4	3173	626	0.86
	0.6	2965	693	0.95
	0.8	2694	768	1.05
T3	0.2	3704	604	0.99
	0.4	3577	658	1.07
	0.6	3388	720	1.17
	0.8	3250	770	1.26
T4	0.2	4220	681	1.43
	0.4	4093	728	1.53
	0.6	3982	770	1.61
	0.8	3824	826	1.73
T5	0.2	4436	705	1.60
	0.4	4307	751	1.71
	0.6	4196	790	1.80
	0.8	4040	847	1.93
T6	0.2	3704	604	0.99
	0.4	3577	658	1.07
	0.6	3388	720	1.17
	0.8	3250	770	1.26
T7	0.2	4436	705	1.60
	0.4	4307	751	1.71
	0.6	4196	790	1.80
	0.8	4040	847	1.93
T8	0.2	3704	604	0.99
	0.4	3577	658	1.07
	0.6	3388	720	1.17
	0.8	3250	770	1.26
T9	0.2	4220	681	1.43
	0.4	4093	728	1.53
	0.6	3982	770	1.61
	0.8	3824	826	1.73
T10	0.2	4436	705	1.60
	0.4	4307	751	1.71
	0.6	4196	790	1.80
	0.8	4040	847	1.93

10.0 Ton Cooler • Medium Static Direct Drive

Models: DHC1203L, DHC1204L, DHC1207L

Down Flow						Horizontal Flow				
Speed Tap	ESP	CFM	RPM	BHP		Speed Tap	ESP	CFM	RPM	BHP
T1	0.2	2217	420	0.32		T1	0.2	2246	427	0.32
	0.4	2010	507	0.38			0.4	1986	518	0.39
	0.6	-	-	-			0.6	-	-	-
	0.8	-	-	-			0.8	-	-	-
	1.0	-	-	-			1.0	-	-	-
	1.2	-	-	-			1.2	-	-	-
	1.4	-	-	-			1.4	-	-	-
T2	0.2	3833	610	1.05		T2	0.2	3823	622	1.07
	0.4	3731	656	1.13			0.4	3713	667	1.15
	0.6	3554	714	1.23			0.6	3532	723	1.25
	0.8	3434	763	1.32			0.8	3398	775	1.34
	1.0	3271	818	1.41			1.0	3223	833	1.44
	1.2	2968	894	1.54			1.2	2917	909	1.57
	1.4	2655	971	1.68			1.4	2598	988	1.71
T3	0.2	3702	596	0.97		T3	0.2	3704	604	0.99
	0.4	3587	644	1.05			0.4	3577	658	1.07
	0.6	3402	702	1.14			0.6	3388	720	1.17
	0.8	3280	751	1.23			0.8	3250	770	1.26
	1.0	3122	806	1.31			1.0	3077	824	1.34
	1.2	-	-	-			1.2	-	-	-
	1.4	-	-	-			1.4	-	-	-
T4	0.2	4595	699	1.66		T4	0.2	4546	717	1.71
	0.4	4470	744	1.77			0.4	4425	761	1.81
	0.6	4341	789	1.88			0.6	4314	803	1.91
	0.8	4234	833	1.98			0.8	4170	853	2.03
	1.0	4123	875	2.08			1.0	4039	909	2.16
	1.2	4002	918	2.18			1.2	3918	943	2.24
	1.4	3882	961	2.29			1.4	3784	992	2.36
T5	0.2	4794	723	1.85		T5	0.2	4747	741	1.90
	0.4	4672	767	1.96			0.4	4634	783	2.00
	0.6	4545	810	2.07			0.6	4527	824	2.11
	0.8	4443	852	2.18			0.8	4389	870	2.23
	1.0	4332	891	2.28			1.0	4266	906	2.32
	1.2	4215	933	2.39			1.2	4139	956	2.45
	1.4	4100	975	2.50			1.4	3996	1010	2.59
T6	0.2	4485	685	1.56		T6	0.2	4436	705	1.60
	0.4	4357	732	1.66			0.4	4307	751	1.71
	0.6	4225	778	1.77			0.6	4196	790	1.80
	0.8	4113	822	1.87			0.8	4040	847	1.93
	1.0	4004	866	2.0			1.0	3887	903	2.05
	1.2	3878	910	2.07			1.2	3782	940	2.1
	1.4	3760	952	2.16			1.4	3664	982	2.2
T7	0.2	4794	723	1.85		T7	0.2	4747	741	1.90
	0.4	4672	767	1.96			0.4	4634	783	2.00
	0.6	4545	810	2.07			0.6	4527	824	2.11
	0.8	4443	852	2.18			0.8	4389	870	2.23
	1.0	4332	891	2.28			1.0	4266	906	2.32
	1.2	4215	933	2.39			1.2	4139	956	2.45
	1.4	4100	975	2.50			1.4	3996	1010	2.59
T8	0.2	4485	685	1.56		T8	0.2	4436	705	1.60
	0.4	4357	732	1.66			0.4	4307	751	1.71
	0.6	4225	778	1.77			0.6	4196	790	1.80
	0.8	4113	822	1.87			0.8	4040	847	1.93
	1.0	4004	866	2.0			1.0	3887	903	2.05
	1.2	3878	910	2.07			1.2	3782	940	2.1
	1.4	3760	952	2.16			1.4	3664	982	2.2
T9	0.2	4595	699	1.66		T9	0.2	4546	717	1.71
	0.4	4470	744	1.77			0.4	4425	761	1.81
	0.6	4341	789	1.88			0.6	4314	803	1.91
	0.8	4234	833	1.98			0.8	4170	853	2.03
	1.0	4123	875	2.08			1.0	4039	909	2.16
	1.2	4002	918	2.18			1.2	3918	943	2.24
	1.4	3882	961	2.29			1.4	3784	992	2.36
T10	0.2	4794	723	1.85		T10	0.2	4747	741	1.90
	0.4	4672	767	1.96			0.4	4634	783	2.00
	0.6	4545	810	2.07			0.6	4527	824	2.11
	0.8	4443	852	2.18			0.8	4389	870	2.23
	1.0	4332	891	2.28			1.0	4266	906	2.32
	1.2	4215	933	2.39			1.2	4139	956	2.45
	1.4	4100	975	2.50			1.4	3996	1010	2.59

10.0 Ton Cooler • High Static Direct Drive
Models: DHC1203W, DHC1204W, DHC1207W

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1	0.2	2217	420	0.32	T1	0.2	2246	427	0.32
	0.4	2010	507	0.38		0.4	1986	518	0.39
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T2	0.2	4204	653	1.32	T2	0.2	4141	671	1.36
	0.4	4062	702	1.42		0.4	4026	717	1.45
	0.6	3926	748	1.51		0.6	3890	764	1.55
	0.8	3806	796	1.61		0.8	3745	820	1.66
	1.0	3694	842	1.70		1.0	3581	878	1.78
	1.2	3584	891	1.80		1.2	3438	936	1.89
	1.4	3484	938	1.90		1.4	3270	980	1.98
	1.6	3082	1022	2.07		1.6	2965	1051	2.13
	1.8	2824	1083	2.19		1.8	2752	1096	2.22
	2.0	2658	1111	2.25		2.0	2646	1123	2.27
T3	0.2	3702	596	0.97	T3	0.2	3704	604	0.99
	0.4	3587	644	1.05		0.4	3577	658	1.07
	0.6	3402	702	1.14		0.6	3388	720	1.17
	0.8	3280	751	1.23		0.8	3250	770	1.26
	1.0	3122	806	1.31		1.0	3077	824	1.34
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T4	0.2	4851	729	1.91	T4	0.2	4807	748	1.96
	0.4	4729	773	2.02		0.4	4688	791	2.07
	0.6	4600	817	2.14		0.6	4585	829	2.17
	0.8	4498	858	2.25		0.8	4435	878	2.30
	1.0	4390	897	2.35		1.0	4325	936	2.45
	1.2	4272	939	2.46		1.2	4203	964	2.52
	1.4	4161	979	2.56		1.4	4054	1015	2.66
	1.6	4075	1015	2.66		1.6	3972	1042	2.73
	1.8	3990	1049	2.75		1.8	3862	1076	2.82
	2.0	3874	1073	2.81		2.0	3754	1105	2.89
T5	0.2	-	-	-	T5	0.2	4987	771	2.15
	0.4	4903	793	2.21		0.4	4865	814	2.27
	0.6	4772	838	2.33		0.6	4771	846	2.36
	0.8	4671	875	2.44		0.8	4604	906	2.52
	1.0	4564	913	2.54		1.0	4448	959	2.67
	1.2	4448	954	2.66		1.2	4356	990	2.76
	1.4	4348	990	2.76		1.4	4235	1030	2.87
	1.6	4233	1030	2.87		1.6	4121	1066	2.97
	1.8	4121	1070	2.98		1.8	4022	1100	3.06
	2.0	4030	1100	3.06		2.0	3896	1134	3.16
T6	0.2	4794	723	1.85	T6	0.2	4747	741	1.90
	0.4	4672	767	1.96		0.4	4634	783	2.00
	0.6	4545	810	2.07		0.6	4527	824	2.11
	0.8	4443	852	2.18		0.8	4389	870	2.23
	1.0	4332	891	2.28		1.0	4266	926	2.37
	1.2	4215	933	2.39		1.2	4139	956	2.45
	1.4	4100	975	2.50		1.4	3996	1010	2.59
	1.6	3987	1011	2.59		1.6	3885	1042	2.67
	1.8	3894	1048	2.68		1.8	3762	1083	2.77
	2.0	3773	1075	2.75		2.0	3659	1112	2.85

10.0 Ton Cooler • High Static Direct Drive
Models: DHC1203W, DHC1204W, DHC1207W

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T7	0.2	-	-	-	T7	0.2	4987	771	2.15
	0.4	4903	793	2.21		0.4	4865	814	2.27
	0.6	4772	838	2.33		0.6	4771	846	2.36
	0.8	4671	875	2.44		0.8	4604	906	2.52
	1.0	4564	913	2.54		1.0	4448	959	2.67
	1.2	4448	954	2.66		1.2	4356	990	2.76
	1.4	4348	990	2.76		1.4	4235	1030	2.87
	1.6	4233	1030	2.87		1.6	4121	1066	2.97
	1.8	4121	1070	2.98		1.8	4022	1100	3.06
	2.0	4030	1100	3.06		2.0	3896	1134	3.16
T8	0.2	4794	723	1.85	T8	0.2	4747	741	1.90
	0.4	4672	767	1.96		0.4	4634	783	2.00
	0.6	4545	810	2.07		0.6	4527	824	2.11
	0.8	4443	852	2.18		0.8	4389	870	2.23
	1.0	4332	891	2.28		1.0	4266	926	2.37
	1.2	4215	933	2.39		1.2	4139	956	2.45
	1.4	4100	975	2.50		1.4	3996	1010	2.59
	1.6	3987	1011	2.59		1.6	3885	1042	2.67
	1.8	3894	1048	2.68		1.8	3762	1083	2.77
	2.0	3773	1075	2.75		2.0	3659	1112	2.85
T9	0.2	4851	729	1.91	T9	0.2	4807	748	1.96
	0.4	4729	773	2.02		0.4	4688	791	2.07
	0.6	4600	817	2.14		0.6	4585	829	2.17
	0.8	4498	858	2.25		0.8	4435	878	2.30
	1.0	4390	897	2.35		1.0	4325	936	2.45
	1.2	4272	939	2.46		1.2	4203	964	2.52
	1.4	4161	979	2.56		1.4	4054	1015	2.66
	1.6	4075	1015	2.66		1.6	3972	1042	2.73
	1.8	3990	1049	2.75		1.8	3862	1076	2.82
	2.0	3874	1073	2.81		2.0	3754	1105	2.89
T10	0.2	-	-	-	T10	0.2	4987	771	2.15
	0.4	4903	793	2.21		0.4	4865	814	2.27
	0.6	4772	838	2.33		0.6	4771	846	2.36
	0.8	4671	875	2.44		0.8	4604	906	2.52
	1.0	4564	913	2.54		1.0	4448	959	2.67
	1.2	4448	954	2.66		1.2	4356	990	2.76
	1.4	4348	990	2.76		1.4	4235	1030	2.87
	1.6	4233	1030	2.87		1.6	4121	1066	2.97
	1.8	4121	1070	2.98		1.8	4022	1100	3.06
	2.0	4030	1100	3.06		2.0	3896	1134	3.16

12.5 Ton Cooler • Standard Static Direct Drive

Models: DHC1503D, DHC1504D, DHC1507D

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1	0.2	2820	480	0.41
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2	0.2	3608	530	0.66
	0.4	3304	619	0.77
	0.6	2987	710	0.89
	0.8	2559	808	1.01
T3	0.2	4415	602	1.15
	0.4	4241	672	1.29
	0.6	4013	758	1.45
	0.8	3811	825	1.58
T4	0.2	5156	650	1.62
	0.4	4977	713	1.78
	0.6	4785	780	1.94
	0.8	4580	856	2.13
T5	0.2	5420	667	1.84
	0.4	5273	730	2.01
	0.6	5092	804	2.21
	0.8	4863	865	2.38
T6	0.2	4415	602	1.15
	0.4	4241	672	1.29
	0.6	4013	758	1.45
	0.8	3811	825	1.58
T7	0.2	4914	644	1.47
	0.4	4736	705	1.61
	0.6	4509	766	1.75
	0.8	4284	846	1.93
T8	0.2	4415	602	1.15
	0.4	4241	672	1.29
	0.6	4013	758	1.45
	0.8	3811	825	1.58
T9	0.2	4623	623	1.30
	0.4	4457	699	1.46
	0.6	4242	772	1.62
	0.8	4029	837	1.75
T10	0.2	4914	644	1.47
	0.4	4736	705	1.61
	0.6	4509	766	1.75
	0.8	4284	846	1.93

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1	0.2	2620	509	0.44
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2	0.2	3256	567	0.71
	0.4	3076	640	0.80
	0.6	2960	682	0.85
	0.8	2616	766	0.96
T3	0.2	4179	689	1.32
	0.4	4042	731	1.40
	0.6	3895	782	1.50
	0.8	3754	822	1.58
T4	0.2	4840	747	1.86
	0.4	4688	805	2.00
	0.6	4591	841	2.09
	0.8	4461	885	2.20
T5	0.2	5098	774	2.13
	0.4	4936	831	2.29
	0.6	4835	867	2.39
	0.8	4725	908	2.50
T6	0.2	4179	689	1.32
	0.4	4042	731	1.40
	0.6	3895	782	1.50
	0.8	3754	822	1.58
T7	0.2	4614	734	1.68
	0.4	4501	781	1.79
	0.6	4389	820	1.87
	0.8	4262	865	1.98
T8	0.2	4179	689	1.32
	0.4	4042	731	1.40
	0.6	3895	782	1.50
	0.8	3754	822	1.58
T9	0.2	4418	715	1.50
	0.4	4294	755	1.58
	0.6	4170	800	1.68
	0.8	4026	841	1.76
T10	0.2	4614	734	1.68
	0.4	4501	781	1.79
	0.6	4389	820	1.87
	0.8	4262	865	1.98

12.5 Ton Cooler • Medium Static Direct Drive

Models: DHC1503L, DHC1504L, DHC1507L

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1	0.2	2820	480	0.41	T1	0.2	2620	509	0.44
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
T2	0.2	4298	596	1.09	T2	0.2	4044	674	1.23
	0.4	4122	663	1.21		0.4	3891	719	1.32
	0.6	3899	755	1.38		0.6	3736	773	1.41
	0.8	3711	820	1.50		0.8	3589	813	1.49
	1.0	3488	886	1.62		1.0	3448	850	1.56
	1.2	2970	1010	1.85		1.2	3310	891	1.63
T3	0.2	4415	602	1.15	T3	0.2	4179	689	1.32
	0.4	4241	672	1.29		0.4	4042	731	1.40
	0.6	4013	758	1.45		0.6	3895	782	1.50
	0.8	3811	825	1.58		0.8	3754	822	1.58
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
T4	0.2	5156	650	1.62	T4	0.2	4840	747	1.86
	0.4	4977	713	1.78		0.4	4688	805	2.00
	0.6	4785	780	1.94		0.6	4591	841	2.09
	0.8	4580	856	2.13		0.8	4461	885	2.20
	1.0	4342	921	2.29		1.0	4342	925	2.30
	1.2	4113	981	2.44		1.2	4235	955	2.38
T5	0.2	5420	667	1.84	T5	0.2	5098	774	2.13
	0.4	5273	730	2.01		0.4	4936	831	2.29
	0.6	5092	804	2.21		0.6	4835	867	2.39
	0.8	4863	865	2.38		0.8	4725	908	2.50
	1.0	4651	936	2.58		1.0	4607	954	2.63
	1.2	4429	1001	2.76		1.2	4489	983	2.71
T6	0.2	4914	644	1.47	T6	0.2	4614	734	1.68
	0.4	4736	705	1.61		0.4	4501	781	1.79
	0.6	4509	766	1.75		0.6	4389	820	1.87
	0.8	4284	846	1.93		0.8	4262	865	1.98
	1.0	4076	915	2.1		1.0	4139	903	2.06
	1.2	3843	970	2.22		1.2	4017	938	2.1
T7	0.2	5420	667	1.84	T7	0.2	5098	774	2.13
	0.4	5273	730	2.01		0.4	4936	831	2.29
	0.6	5092	804	2.21		0.6	4835	867	2.39
	0.8	4863	865	2.38		0.8	4725	908	2.50
	1.0	4651	936	2.58		1.0	4607	954	2.63
	1.2	4429	1001	2.76		1.2	4489	983	2.71
T8	0.2	4914	644	1.47	T8	0.2	4614	734	1.68
	0.4	4736	705	1.61		0.4	4501	781	1.79
	0.6	4509	766	1.75		0.6	4389	820	1.87
	0.8	4284	846	1.93		0.8	4262	865	1.98
	1.0	4076	915	2.1		1.0	4139	903	2.06
	1.2	3843	970	2.22		1.2	4017	938	2.1
T9	0.2	5156	650	1.62	T9	0.2	4840	747	1.86
	0.4	4977	713	1.78		0.4	4688	805	2.00
	0.6	4785	780	1.94		0.6	4591	841	2.09
	0.8	4580	856	2.13		0.8	4461	885	2.20
	1.0	4342	921	2.29		1.0	4342	925	2.30
	1.2	4113	981	2.44		1.2	4235	955	2.38
T10	0.2	5420	667	1.84	T10	0.2	5098	774	2.13
	0.4	5273	730	2.01		0.4	4936	831	2.29
	0.6	5092	804	2.21		0.6	4835	867	2.39
	0.8	4863	865	2.38		0.8	4725	908	2.50
	1.0	4651	936	2.58		1.0	4607	954	2.63
	1.2	4429	1001	2.76		1.2	4489	983	2.71
	1.4	4197	1020	2.81		1.4	4386	1016	2.80

12.5 Ton Cooler • High Static Direct Drive
Models: DHC1503W, DHC1504W, DHC1507W

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1	0.2	2504	531	0.46	T1	0.2	2512	508	0.44
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T2	0.2	4164	759	1.56	T2	0.2	4186	706	1.45
	0.4	4107	794	1.64		0.4	4079	753	1.55
	0.6	3980	840	1.73		0.6	3981	796	1.64
	0.8	3882	882	1.82		0.8	3854	847	1.74
	1.0	3738	931	1.92		1.0	3727	897	1.85
	1.2	3438	1005	2.07		1.2	3627	938	1.93
	1.4	3189	1069	2.20		1.4	3517	982	2.02
	1.6	3026	1108	2.28		1.6	3262	1043	2.15
	1.8	2930	1129	2.33		1.8	2915	1118	2.30
	2.0	2843	1155	2.38		2.0	2812	1145	2.36
T3	0.2	4164	759	1.56	T3	0.2	4186	706	1.45
	0.4	4107	794	1.64		0.4	4079	753	1.55
	0.6	3980	840	1.73		0.6	3981	796	1.64
	0.8	3882	882	1.82		0.8	3854	847	1.74
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T4	0.2	5401	945	3.38	T4	0.2	5489	873	3.12
	0.4	5314	977	3.49		0.4	5410	904	3.23
	0.6	5214	1011	3.61		0.6	5325	937	3.35
	0.8	5142	1041	3.72		0.8	5235	970	3.46
	1.0	5050	1073	3.83		1.0	5136	1004	3.59
	1.2	4952	1107	3.95		1.2	5038	1043	3.73
	1.4	4863	1139	4.07		1.4	4936	1083	3.87
	1.6	4742	1175	4.20		1.6	4819	1123	4.01
	1.8	4627	1210	4.32		1.8	4699	1166	4.16
	2.0	4511	1247	4.45		2.0	4595	1196	4.27
T5	0.2	5671	990	3.95	T5	0.2	5770	911	3.63
	0.4	5580	1019	4.06		0.4	5685	940	3.75
	0.6	5495	1049	4.18		0.6	5605	971	3.87
	0.8	5419	1077	4.30		0.8	5518	1001	3.99
	1.0	5345	1109	4.42		1.0	5425	1036	4.13
	1.2	5257	1139	4.54		1.2	5336	1072	4.27
	1.4	5162	1169	4.66		1.4	5235	1108	4.42
	1.6	5060	1205	4.81		1.6	5113	1151	4.59
	1.8	4938	1240	4.95		1.8	4977	1194	4.76
	2.0	4824	1273	5.08		2.0	4871	1221	4.87
T6	0.2	4891	868	2.42	T6	0.2	4970	803	2.24
	0.4	4809	902	2.51		0.4	4889	840	2.34
	0.6	4718	939	2.62		0.6	4799	877	2.44
	0.8	4628	972	2.71		0.8	4702	921	2.57
	1.0	4531	1006	2.80		1.0	4614	953	2.65
	1.2	4419	1047	2.92		1.2	4492	1001	2.79
	1.4	4304	1086	3.03		1.4	4364	1053	2.93
	1.6	4186	1123	3.13		1.6	4259	1081	3.01
	1.8	4064	1157	3.22		1.8	4129	1122	3.13
	2.0	-	-	-		2.0	4011	1156	3.22

12.5 Ton Cooler • High Static Direct Drive
Models: DHC1503W, DHC1504W, DHC1507W

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T7	0.2	5401	945	3.38	T7	0.2	5489	873	3.12
	0.4	5314	977	3.49		0.4	5410	904	3.23
	0.6	5214	1011	3.61		0.6	5325	937	3.35
	0.8	5142	1041	3.72		0.8	5235	970	3.46
	1.0	5050	1073	3.83		1.0	5136	1004	3.59
	1.2	4952	1107	3.95		1.2	5038	1043	3.73
	1.4	4863	1139	4.07		1.4	4936	1083	3.87
	1.6	4742	1175	4.20		1.6	4819	1123	4.01
	1.8	4627	1210	4.32		1.8	4699	1166	4.16
T8	2.0	4511	1247	4.45		2.0	4595	1196	4.27
	0.2	4891	868	2.42	T8	0.2	4970	803	2.24
	0.4	4809	902	2.51		0.4	4889	840	2.34
	0.6	4718	939	2.62		0.6	4799	877	2.44
	0.8	4628	972	2.71		0.8	4702	921	2.57
	1.0	4531	1006	2.80		1.0	4614	953	2.65
	1.2	4419	1047	2.92		1.2	4492	1001	2.79
	1.4	4304	1086	3.03		1.4	4364	1053	2.93
	1.6	4186	1123	3.13		1.6	4259	1081	3.01
	1.8	4064	1157	3.22		1.8	4129	1122	3.13
T9	2.0	-	-	-		2.0	4011	1156	3.22
	0.2	5197	915	3.05	T9	0.2	5282	846	2.82
	0.4	5109	947	3.16		0.4	5199	847	2.82
	0.6	5007	980	3.27		0.6	5113	870	2.90
	0.8	4933	1014	3.38		0.8	5017	915	3.05
	1.0	4845	1047	3.49		1.0	4913	982	3.27
	1.2	4737	1083	3.61		1.2	4817	1026	3.42
	1.4	4638	1118	3.73		1.4	4716	1067	3.56
	1.6	4520	1153	3.84		1.6	4598	1108	3.69
	1.8	4398	1191	3.97		1.8	4479	1147	3.82
T10	2.0	4285	1222	4.07		2.0	4360	1179	3.93
	0.2	5401	945	3.38	T10	0.2	5489	873	3.12
	0.4	5314	977	3.49		0.4	5410	904	3.23
	0.6	5214	1011	3.61		0.6	5325	937	3.35
	0.8	5142	1041	3.72		0.8	5235	970	3.46
	1.0	5050	1073	3.83		1.0	5136	1004	3.59
	1.2	4952	1107	3.95		1.2	5038	1043	3.73
	1.4	4863	1139	4.07		1.4	4936	1083	3.87
	1.6	4742	1175	4.20		1.6	4819	1123	4.01
	1.8	4627	1210	4.32		1.8	4699	1166	4.16
	2.0	4511	1247	4.45		2.0	4595	1196	4.27

7.5 Ton Models: DHC0903D, DHC0904D & DHC0907D with DDC CONTROLS • Standard Static to 1.7 HP (0.2 ~ 0.8 Esp) • Down Flow

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1400										782	25	0.49	-	-	-
1600				647	20	0.37	717	25	0.43	801	33	0.57	-	-	-
1800	555	20	0.33	671	28	0.44	740	33	0.50	820	40	0.65	-	-	-
2000	587	28	0.40	696	35	0.51	763	40	0.57	839	45	0.75	-	-	-
2200	619	38	0.48	720	43	0.60	786	48	0.66	858	53	0.87	-	-	-
2400	651	45	0.57	745	51	0.71	809	56	0.76	877	61	1.00	-	-	-
2600	683	53	0.69	769	58	0.83	832	63	0.87	896	68	1.15	-	-	-
2800	715	61	0.82	794	66	0.98	855	71	1.00	915	76	1.32	-	-	-
3000	747	68	0.99	818	73	1.14	878	79	1.15	934	84	1.52	-	-	-
3200	779	79	1.18	843	81	1.34	901	86	1.33	953	89	1.74	-	-	-
3400	810	86	1.41	867	89	1.58	924	90	1.53				-	-	-
3600	842	90	1.69										-	-	-

Shaded area indicates air flow below 2250 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC setting is 20 - 90.

HORIZONTAL FLOW

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1400	409	33	0.23	518	20	0.32	597	20	0.41	720	30	0.59	-	-	-
1600	440	38	0.27	542	28	0.37	619	25	0.48	733	38	0.67	-	-	-
1800	471	45	0.33	567	33	0.44	641	35	0.55	745	45	0.75	-	-	-
2000	502	51	0.39	591	40	0.51	664	43	0.63	758	51	0.85	-	-	-
2200	533	58	0.47	616	48	0.60	686	51	0.72	771	58	0.96	-	-	-
2400	564	63	0.56	640	56	0.71	708	58	0.83	784	66	1.08	-	-	-
2600	595	68	0.67	665	63	0.83	730	66	0.96	797	71	1.22	-	-	-
2800	626	76	0.81	690	68	0.97	752	73	1.10	809	79	1.37	-	-	-
3000	657	81	0.97	714	76	1.14	774	81	1.27	822	86	1.55	-	-	-
3200	688	89	1.16	739	84	1.34	796	89	1.46	835	90	1.75	-	-	-
3400	718	90	1.38	763	90	1.57							-	-	-
3600													-	-	-

Shaded area indicates air flow below 2250 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC setting is 20 - 90.

7.5 Ton Models: DHC0903L, DHC0904L & DHC0907L with DDC CONTROLS • Medium Static to 2.4 HP (0.2 ~ 1.4 Esp) • Down Flow

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1400	486	7	0.24	594	13	0.31	691	17	0.38	782	22	0.49	821	13	0.58
1600	519	13	0.28	622	18	0.36	715	23	0.43	802	27	0.57	843	20	0.66
1800	553	18	0.34	651	23	0.42	740	28	0.50	822	32	0.65	865	27	0.74
2000	586	25	0.41	679	30	0.50	764	33	0.57	843	37	0.75	887	33	0.84
2200	619	30	0.49	708	35	0.58	788	38	0.66	863	43	0.86	909	40	0.94
2400	652	37	0.58	736	40	0.69	813	45	0.76	883	48	0.99	931	45	1.06
2600	685	42	0.70	764	46	0.80	837	50	0.87	903	53	1.14	953	51	1.20
2800	719	48	0.84	793	51	0.94	861	55	1.00	923	58	1.31	975	58	1.35
3000	752	53	1.00	821	58	1.11	886	60	1.15	943	63	1.51	997	65	1.52
3200	785	60	1.20	849	63	1.30	910	66	1.33	964	68	1.73	1019	71	1.72
3400	818	65	1.43	878	68	1.53	935	71	1.53	984	73	1.99	1041	78	1.94
3600	852	71	1.72	906	75	1.79	959	76	1.76	1004	78	2.29	1063	85	2.18
3800	885	76	2.05	935	80	2.10	983	81	2.02						

CFM	1.2			1.4			1.6			1.8			2.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1400	919	25	0.76	1040	33	1.00	-	-	-	-	-	-	-	-	-
1600	936	30	0.84	1048	38	1.08	-	-	-	-	-	-	-	-	-
1800	952	35	0.93	1056	43	1.17	-	-	-	-	-	-	-	-	-
2000	969	42	1.02	1064	48	1.27	-	-	-	-	-	-	-	-	-
2200	986	46	1.13	1071	53	1.38	-	-	-	-	-	-	-	-	-
2400	1002	51	1.25	1079	58	1.49	-	-	-	-	-	-	-	-	-
2600	1019	58	1.38	1087	63	1.62	-	-	-	-	-	-	-	-	-
2800	1035	63	1.53	1095	68	1.75	-	-	-	-	-	-	-	-	-
3000	1052	68	1.69	1102	73	1.90	-	-	-	-	-	-	-	-	-
3200	1068	75	1.86	1110	78	2.05	-	-	-	-	-	-	-	-	-
3400	1085	80	2.06	1118	81	2.22	-	-	-	-	-	-	-	-	-
3600	1101	86	2.28	1126	86	2.41	-	-	-	-	-	-	-	-	-
3800							-	-	-	-	-	-	-	-	-

Shaded area indicates air flow below 2250 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC% setting is 20 - 90.

HORIZONTAL FLOW

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1400	421	13	0.20	507	18	0.31	560	13	0.39	652	20	0.53	736	27	0.61
1600	450	18	0.24	535	23	0.36	587	20	0.45	675	27	0.60	755	32	0.67
1800	478	23	0.28	562	28	0.42	615	27	0.50	697	32	0.67	775	37	0.74
2000	506	28	0.33	590	33	0.50	643	32	0.57	720	37	0.76	794	42	0.82
2200	534	35	0.39	618	38	0.58	670	38	0.64	742	43	0.85	813	46	0.90
2400	563	40	0.46	645	43	0.69	698	43	0.72	765	48	0.96	833	53	1.00
2600	591	45	0.53	673	50	0.81	725	50	0.81	788	53	1.09	852	58	1.10
2800	619	50	0.63	701	55	0.94	753	55	0.91	810	58	1.22	872	63	1.22
3000	647	55	0.74	728	60	1.11	780	61	1.03	833	65	1.38	891	68	1.35
3200	675	61	0.86	756	65	1.30	808	66	1.16	856	70	1.56	910	73	1.49
3400	704	66	1.01	783	70	1.53	836	73	1.31	878	75	1.76	930	80	1.65
3600	732	71	1.19	811	75	1.79	863	80	1.48	901	81	1.98	949	85	1.82
3800	760	76	1.40	839	80	2.10	891	85	1.67	923	86	2.23	968	90	2.01

CFM	1.2			1.4			1.6			1.8			2.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1400	862	38	0.92	957	45	1.09	-	-	-	-	-	-	-	-	-
1600	872	42	0.99	960	48	1.15	-	-	-	-	-	-	-	-	-
1800	882	46	1.08	964	51	1.22	-	-	-	-	-	-	-	-	-
2000	892	50	1.17	967	55	1.30	-	-	-	-	-	-	-	-	-
2200	902	55	1.26	971	58	1.38	-	-	-	-	-	-	-	-	-
2400	911	58	1.37	974	63	1.46	-	-	-	-	-	-	-	-	-
2600	921	63	1.48	978	66	1.56	-	-	-	-	-	-	-	-	-
2800	931	66	1.60	981	70	1.65	-	-	-	-	-	-	-	-	-
3000	941	71	1.74	985	73	1.75	-	-	-	-	-	-	-	-	-
3200	951	75	1.88	988	78	1.86	-	-	-	-	-	-	-	-	-
3400	961	80	2.04	992	81	1.98	-	-	-	-	-	-	-	-	-
3600	971	85	2.21	995	85	2.10	-	-	-	-	-	-	-	-	-
3800	980	88	2.39	999	88	2.23	-	-	-	-	-	-	-	-	-

Shaded area indicates air flow below 2250 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC% setting is 20 - 90.

7.5 Ton Models: DHC0903W, DHC0904W & DHC0907W with DDC CONTROLS • High Static to 3.5 HP (0.2 ~ 2.0 Esp) • Down Flow

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1800	543	23	0.29	651	25	0.42	743	28	0.53	820	29	0.67	863	29	0.73
2000	580	25	0.35	680	29	0.49	766	32	0.61	842	33	0.77	885	33	0.82
2200	616	29	0.42	708	32	0.58	789	34	0.71	863	37	0.88	907	37	0.93
2400	652	33	0.50	736	36	0.68	812	38	0.81	884	39	1.01	929	41	1.05
2600	688	37	0.60	764	38	0.80	835	41	0.93	906	43	1.17	951	45	1.18
2800	725	39	0.71	792	42	0.94	858	43	1.07	927	46	1.34	974	47	1.33
3000	761	43	0.86	820	45	1.10	881	47	1.24	948	50	1.54	996	51	1.50
3200	797	47	1.02	848	49	1.29	904	50	1.42	970	54	1.77	1018	55	1.69
3400	833	51	1.23	876	52	1.52	927	54	1.63	991	56	2.04	1040	59	1.91
3600	870	55	1.47	904	55	1.78	950	56	1.88	1012	60	2.35	1062	61	2.15
3800	906	58	1.76	933	59	2.09	974	60	2.16	1033	63	2.70	1084	65	2.43
CFM	1.2			1.4			1.6			1.8			2.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1800	948	34	0.90	1059	36	1.10	1137	39	1.48	1180	42	1.59	1217	45	1.54
2000	965	38	1.00	1068	39	1.19	1141	43	1.60	1185	45	1.72	1232	47	1.67
2200	981	41	1.10	1077	42	1.29	1145	46	1.73	1190	47	1.87	1246	50	1.81
2400	998	45	1.22	1087	45	1.40	1149	49	1.88	1195	50	2.02	1260	52	1.96
2600	1014	47	1.35	1096	49	1.52	1154	51	2.03	1200	52	2.19	1274	55	2.12
2800	1031	50	1.49	1105	51	1.64	1158	54	2.20	1205	56	2.37	1288	58	2.30
3000	1047	54	1.64	1115	55	1.78	1162	56	2.39	1210	59	2.57	1302	60	2.49
3200	1064	56	1.82	1124	58	1.93	1166	60	2.59	1215	61	2.78	1316	63	2.69
3400	1080	60	2.01	1133	61	2.09	1171	63	2.80	1220	64	3.02	1331	65	2.92
3600	1097	63	2.22	1143	64	2.26	1175	65	3.03	1225	67	3.27	1345	68	3.16
3800	1113	67	2.45	1152	67	2.45	1179	68	3.29	1230	71	3.50	1359	71	3.43

Shaded area indicates air flow below 2250 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC setting is 20 - 90.

HORIZONTAL FLOW

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1800	466	23	0.29	567	29	0.42	632	32	0.51	673	30	0.65	762	33	0.75
2000	499	25	0.35	595	32	0.49	657	36	0.58	700	33	0.75	784	37	0.85
2200	532	29	0.42	622	34	0.58	681	38	0.65	727	37	0.87	806	39	0.96
2400	565	32	0.50	650	38	0.68	706	41	0.73	754	41	1.00	829	43	1.08
2600	598	36	0.60	677	41	0.80	731	43	0.82	781	43	1.15	851	46	1.21
2800	630	38	0.71	705	43	0.93	756	46	0.93	809	47	1.32	873	50	1.37
3000	663	42	0.85	732	47	1.10	780	49	1.05	836	51	1.52	895	52	1.54
3200	696	46	1.02	760	50	1.29	805	51	1.18	863	54	1.74	918	56	1.74
3400	729	49	1.22	788	52	1.51	830	55	1.33	890	58	2.01	940	59	1.96
3600	762	52	1.47	815	55	1.77	854	58	1.50	917	61	2.31	962	63	2.21
3800	795	55	1.75	843	59	2.08	879	60	1.69	945	64	2.65	984	65	2.50
CFM	1.2			1.4			1.6			1.8			2.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1800	843	36	0.83	968	41	1.27	1025	43	1.51	1066	45	1.63	1112	46	1.79
2000	860	39	0.92	974	43	1.37	1029	46	1.63	1070	47	1.76	1118	50	1.94
2200	877	42	1.02	980	46	1.49	1033	49	1.77	1074	50	1.91	1124	52	2.10
2400	895	46	1.12	986	49	1.61	1037	51	1.92	1079	52	2.07	1130	55	2.27
2600	912	49	1.24	992	51	1.74	1041	54	2.08	1083	55	2.24	1135	58	2.46
2800	929	51	1.37	998	54	1.89	1045	56	2.25	1087	58	2.43	1141	60	2.67
3000	947	55	1.52	1004	56	2.05	1048	59	2.44	1092	60	2.63	1147	63	2.89
3200	964	58	1.67	1009	60	2.22	1052	61	2.64	1096	63	2.85	1153	65	3.13
3400	981	61	1.85	1015	63	2.40	1056	64	2.86	1100	65	3.09	1159	68	3.39
3600	999	64	2.05	1021	65	2.60	1060	67	3.10	1105	68	3.35			
3800	1016	67	2.26	1027	68	2.82	1064	69	3.36						

Shaded area indicates air flow below 2250 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC setting is 20 - 90.

8.5 Ton Models: DHC1023D, DHC1024D & DHC1027D with DDC CONTROL • Standard Static to 2.4 HP (0.2 ~ 0.8 Esp) • Down Flow

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1600							607	22	0.48	801	28	0.61	-	-	-
1800	424	18	0.37	515	23	0.46	625	27	0.54	820	33	0.69	-	-	-
2000	452	23	0.44	539	30	0.54	642	33	0.61	839	37	0.77	-	-	-
2200	480	30	0.53	563	35	0.63	659	38	0.68	858	42	0.87	-	-	-
2400	507	35	0.63	588	40	0.74	677	45	0.77	877	46	0.98	-	-	-
2600	535	42	0.76	612	46	0.87	694	50	0.87	896	51	1.11	-	-	-
2800	563	46	0.90	636	51	1.02	711	56	0.98	915	56	1.25	-	-	-
3000	590	53	1.08	660	56	1.20	729	61	1.10	934	61	1.41	-	-	-
3200	618	58	1.30	684	63	1.41	746	66	1.24	953	65	1.59	-	-	-
3400	646	63	1.55	708	68	1.65	763	73	1.40	972	70	1.79	-	-	-
3600	673	70	1.86	733	73	1.94	781	78	1.58	991	75	2.02	-	-	-
3800	701	75	2.23	757	80	2.28	798	85	1.78	1010	80	2.28	-	-	-

Shaded area indicates air flow below 2550 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC setting is 20 - 90.

HORIZONTAL FLOW

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1600										611	22	0.49	-	-	-
1800				496	22	0.34	581	23	0.47	632	27	0.56	-	-	-
2000	435	22	0.32	521	27	0.39	603	30	0.53	654	33	0.63	-	-	-
2200	464	28	0.37	546	33	0.45	626	35	0.59	675	38	0.71	-	-	-
2400	494	33	0.43	571	38	0.52	648	42	0.67	696	43	0.80	-	-	-
2600	523	40	0.51	596	45	0.60	671	46	0.75	718	50	0.90	-	-	-
2800	552	45	0.60	621	50	0.69	693	53	0.85	739	55	1.01	-	-	-
3000	581	51	0.70	646	55	0.79	715	60	0.96	760	61	1.14	-	-	-
3200	611	58	0.82	671	61	0.91	738	65	1.08	782	66	1.29	-	-	-
3400	640	63	0.97	695	66	1.05	760	71	1.22	803	71	1.45	-	-	-
3600	669	70	1.13	720	73	1.20	782	76	1.37	824	78	1.64	-	-	-
3800	699	75	1.33	745	78	1.39	805	83	1.55	846	83	1.85	-	-	-

Shaded area indicates air flow below 2550 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC% setting is 20 - 90.

8.5 Ton Models: DHC1023L, DHC1024L & DHC1027L with DDC CONTROL • Medium Static to 2.4 HP (0.2 ~ 1.4 Esp) • Down Flow

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1600				491	20	0.37	586	25	0.48	642	27	0.66	736	33	0.81
1800	423	20	0.30	515	25	0.41	608	30	0.54	663	32	0.73	754	38	0.87
2000	451	25	0.35	540	30	0.47	629	37	0.61	684	38	0.80	771	45	0.95
2200	479	30	0.41	564	37	0.53	650	42	0.69	706	43	0.89	789	50	1.03
2400	507	37	0.48	589	42	0.59	672	46	0.78	727	48	0.98	806	55	1.11
2600	535	42	0.56	613	46	0.67	693	51	0.88	749	55	1.09	823	61	1.20
2800	563	46	0.66	638	51	0.75	714	56	0.99	770	60	1.20	841	66	1.30
3000	591	53	0.77	662	56	0.85	736	63	1.11	791	66	1.33	858	71	1.41
3200	619	58	0.90	686	63	0.96	757	68	1.25	813	71	1.47	875	76	1.53
3400	647	63	1.06	711	68	1.08	778	73	1.41	834	76	1.62	893	83	1.66
3600	675	70	1.25	735	73	1.22	800	78	1.59	855	83	1.79	910	88	1.80
3800	703	75	1.46	760	78	1.37	821	83	1.80	877	88	1.98	928	90	1.95
CFM	1.2			1.4			1.6			1.8			2.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1600	814	42	1.06	858	45	1.07	-	-	-	-	-	-	-	-	-
1800	828	46	1.15	873	50	1.15	-	-	-	-	-	-	-	-	-
2000	842	51	1.24	888	55	1.25	-	-	-	-	-	-	-	-	-
2200	856	56	1.35	903	60	1.35	-	-	-	-	-	-	-	-	-
2400	871	61	1.46	917	65	1.47	-	-	-	-	-	-	-	-	-
2600	885	66	1.58	932	71	1.59	-	-	-	-	-	-	-	-	-
2800	899	71	1.71	947	76	1.72	-	-	-	-	-	-	-	-	-
3000	913	76	1.86	962	81	1.87	-	-	-	-	-	-	-	-	-
3200	927	81	2.01	976	86	2.02	-	-	-	-	-	-	-	-	-
3400	941	86	2.18	991	90	2.19	-	-	-	-	-	-	-	-	-
3600	955	90	2.36				-	-	-	-	-	-	-	-	-
3800							-	-	-	-	-	-	-	-	-

Shaded area indicates air flow below 2550 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

Valid motor operating range for DDC% setting is 20 - 90.

HORIZONTAL FLOW

CFM	0.2			0.4			0.6			0.8			1.0		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
1600							576	23	0.48	624	22	0.62	717	27	0.81
1800	406	18	0.26	497	22	0.36	596	28	0.54	643	27	0.68	732	32	0.87
2000	435	23	0.30	522	28	0.41	616	33	0.61	663	33	0.76	748	37	0.95
2200	464	28	0.35	547	33	0.46	636	38	0.69	683	38	0.84	763	42	1.03
2400	493	35	0.42	572	38	0.52	656	43	0.78	703	45	0.92	778	48	1.11
2600	521	40	0.49	596	45	0.59	676	50	0.88	723	50	1.02	794	54	1.20
2800	550	46	0.57	621	50	0.66	696	55	0.99	743	55	1.13	809	59	1.30
3000	579	51	0.67	646	56	0.75	716	60	1.11	762	61	1.25	824	65	1.41
3200	608	58	0.79	671	61	0.84	736	65	1.25	782	66	1.38	840	70	1.53
3400	637	63	0.92	696	66	0.95	756	70	1.41	802	73	1.52	855	75	1.66
3600	666	70	1.08	720	73	1.07	776	76	1.59	822	78	1.68	870	80	1.80
3800	695	75	1.27	745	78	1.21	796	81	1.80	842	83	1.86	885	85	1.95