

7.5 Ton • 180 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG0903WM, DHG0904WM, DHG0907WM

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	3464	822	1.53	T7**	0.2	3652	734	1.37
	0.4	3380	855	1.59		0.4	3562	778	1.45
	0.6	3309	891	1.66		0.6	3467	822	1.53
	0.8	3200	929	1.73		0.8	3386	859	1.60
	1.0	3108	964	1.80		1.0	3284	899	1.67
	1.2	2984	996	1.85		1.2	3212	927	1.73
	1.4	2881	1035	1.93		1.4	3090	977	1.82
	1.6	2717	1062	1.98		1.6	2966	1013	1.89
	1.8	2550	1130	2.10		1.8	2649	1112	2.07
	2.0	2357	1171	2.18		2.0	2521	1147	2.14
T8	0.2	3983	912	2.21	T8	0.2	4167	817	1.98
	0.4	3912	940	2.28		0.4	4077	857	2.08
	0.6	3855	974	2.36		0.6	4019	895	2.17
	0.8	3748	1014	2.46		0.8	3939	931	2.26
	1.0	3671	1051	2.55		1.0	3885	973	2.36
	1.2	3598	1079	2.62		1.2	3827	1008	2.44
	1.4	3538	1107	2.68		1.4	3723	1040	2.52
	1.6	3446	1136	2.75		1.6	3622	1070	2.59
	1.8	3326	1183	2.87		1.8	3569	1108	2.69
	2.0	3210	1213	2.94		2.0	3472	1139	2.76
T9	0.2	4119	935	2.44	T9	0.2	4296	839	2.19
	0.4	4054	962	2.51		0.4	4205	878	2.29
	0.6	3998	997	2.60		0.6	4163	915	2.39
	0.8	3890	1039	2.71		0.8	4077	952	2.49
	1.0	3806	1079	2.82		1.0	4047	996	2.60
	1.2	3747	1106	2.89		1.2	3954	1041	2.72
	1.4	3686	1130	2.95		1.4	3894	1058	2.76
	1.6	3625	1160	3.03		1.6	3827	1088	2.84
	1.8	3541	1195	3.12		1.8	3735	1123	2.93
	2.0	3456	1222	3.19		2.0	3680	1154	3.01
T10	0.2	-	-	-	T10	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	4156	1104	3.08		1.0	-	-	-
	1.2	4032	1128	3.14		1.2	-	-	-
	1.4	3908	1151	3.21		1.4	4040	1074	2.99
	1.6	3784	1175	3.27		1.6	4023	1106	3.08
	1.8	3660	1198	3.34		1.8	3859	1138	3.17
	2.0	3536	1222	3.40		2.0	3812	1167	3.25

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

7.5 Ton • 225 MBH Gas Heat Exchanger • Standard Static Direct Drive

Models: DHG0903DH, DHG0904DH, DHG0907DH

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1954	552	0.40
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	2589	629	0.67
	0.4	2410	681	0.73
	0.6	2216	734	0.79
	0.8	2038	782	0.84
T3	0.2	3194	716	1.05
	0.4	3010	760	1.11
	0.6	2852	805	1.18
	0.8	2705	847	1.24
T4	0.2	3413	753	1.23
	0.4	3222	794	1.29
	0.6	3070	836	1.36
	0.8	2940	875	1.43
T5	0.2	3622	793	1.43
	0.4	3422	830	1.50
	0.6	3268	868	1.57
	0.8	3160	904	1.64
T6**	0.2	2098	568	0.45
	0.4	1913	626	0.50
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2625	633	0.69
	0.4	2446	685	0.75
	0.6	2255	738	0.81
	0.8	2079	786	0.86
T8	0.2	3081	698	0.97
	0.4	2900	744	1.03
	0.6	2737	791	1.09
	0.8	2582	834	1.15
T9	0.2	3263	728	1.10
	0.4	3078	771	1.17
	0.6	2923	815	1.23
	0.8	2780	856	1.30
T10	0.2	3427	756	1.24
	0.4	3236	797	1.31
	0.6	3084	838	1.38
	0.8	2955	877	1.44

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2102	495	0.36
	0.4	1906	566	0.41
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	2748	571	0.61
	0.4	2554	627	0.67
	0.6	2337	697	0.75
	0.8	2148	750	0.80
T3	0.2	3336	657	0.96
	0.4	3185	696	1.02
	0.6	3029	750	1.10
	0.8	2862	796	1.17
T4	0.2	3539	693	1.13
	0.4	3419	726	1.18
	0.6	3282	773	1.26
	0.8	3132	816	1.33
T5	0.2	3724	732	1.32
	0.4	3647	757	1.37
	0.6	3525	797	1.44
	0.8	3401	836	1.51
T6**	0.2	2251	512	0.41
	0.4	2052	579	0.46
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2784	576	0.63
	0.4	2591	631	0.69
	0.6	2379	699	0.76
	0.8	2190	753	0.82
T8	0.2	3230	639	0.88
	0.4	3066	682	0.94
	0.6	2900	739	1.02
	0.8	2726	787	1.09
T9	0.2	3401	668	1.01
	0.4	3259	705	1.07
	0.6	3109	757	1.15
	0.8	2947	802	1.22
T10	0.2	3552	696	1.14
	0.4	3435	728	1.20
	0.6	3299	774	1.27
	0.8	3151	817	1.34

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

7.5 Ton • 225 MBH Gas Heat Exchanger • Medium Static Direct Drive

Models: DHG0903LH, DHG0904LH, DHG0907LH

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1954	552	0.40	T1**	0.2	2102	495	0.36
	0.4	-	-	-		0.4	1906	566	0.41
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
T2**	0.2	3059	695	0.95	T2**	0.2	3208	636	0.87
	0.4	2877	741	1.01		0.4	3043	680	0.93
	0.6	2714	788	1.08		0.6	2874	737	1.01
	0.8	2558	831	1.14		0.8	2699	785	1.07
	1.0	2412	870	1.19		1.0	2519	829	1.13
	1.2	2218	922	1.26		1.2	2312	884	1.21
	1.4	2028	965	1.32		1.4	2103	948	1.30
T3	0.2	3194	716	1.05	T3	0.2	3336	657	0.96
	0.4	3010	760	1.11		0.4	3185	696	1.02
	0.6	2852	805	1.18		0.6	3029	750	1.10
	0.8	2705	847	1.24		0.8	2862	796	1.17
	1.0	2542	885	1.30		1.0	2699	840	1.23
	1.2	2360	934	1.37		1.2	2509	893	1.31
	1.4	-	-	-		1.4	2320	954	1.40
T4	0.2	-	-	-	T4	0.2	-	-	-
	0.4	3622	874	1.77		0.4	-	-	-
	0.6	3458	907	1.83		0.6	-	-	-
	0.8	3380	940	1.90		0.8	3693	861	1.74
	1.0	3265	975	1.97		1.0	3575	905	1.83
	1.2	3138	1008	2.04		1.2	3461	941	1.90
	1.4	2994	1043	2.11		1.4	3345	991	2.00
T5	0.2	-	-	-	T5	0.2	-	-	-
	0.4	3725	901	1.94		0.4	-	-	-
	0.6	3549	931	2.00		0.6	-	-	-
	0.8	3492	961	2.07		0.8	-	-	-
	1.0	3423	996	2.15		1.0	3737	920	1.98
	1.2	3307	1026	2.21		1.2	3633	952	2.05
	1.4	3180	1059	2.28		1.4	3524	999	2.15
T6**	0.2	2231	516	0.50	T6**	0.2	2410	585	0.57
	0.4	2028	649	0.63		0.4	2385	610	0.59
	0.6	1835	696	0.68		0.6	2243	664	0.65
	0.8	-	-	-		0.8	1983	748	0.73
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
T7**	0.2	2987	684	0.90	T7**	0.2	3139	625	0.83
	0.4	2806	731	0.96		0.4	2967	671	0.89
	0.6	2639	779	1.03		0.6	2791	730	0.96
	0.8	2479	823	1.09		0.8	2613	779	1.03
	1.0	2344	862	1.14		1.0	2424	823	1.09
	1.2	2144	915	1.21		1.2	2207	880	1.16
	1.4	1953	959	1.27		1.4	1987	944	1.25
T8	0.2	3456	761	1.27	T8	0.2	3578	701	1.17
	0.4	3264	801	1.34		0.4	3467	732	1.22
	0.6	3112	842	1.40		0.6	3333	778	1.30
	0.8	2986	881	1.47		0.8	3188	820	1.37
	1.0	2812	918	1.53		1.0	3051	863	1.44
	1.2	2652	961	1.60		1.2	2894	910	1.52
	1.4	2476	1001	1.67		1.4	2739	967	1.61
T9	0.2	3569	838	1.66	T9	0.2	3868	769	1.52
	0.4	3500	874	1.73		0.4	3839	787	1.55
	0.6	3434	910	1.80		0.6	3727	820	1.62
	0.8	3325	947	1.87		0.8	3631	856	1.69
	1.0	3240	982	1.94		1.0	3513	900	1.78
	1.2	3128	1013	2.00		1.2	3394	937	1.85
	1.4	3040	1049	2.07		1.4	3274	987	1.95
T10	0.2	3893	882	1.99	T10	0.2	4122	792	1.79
	0.4	3766	916	2.07		0.4	4001	828	1.87
	0.6	3687	945	2.14		0.6	3881	865	1.96
	0.8	3584	977	2.21		0.8	3800	910	2.06
	1.0	3501	1006	2.28		1.0	3594	930	2.10
	1.2	3392	1042	2.36		1.2	3519	974	2.20
	1.4	3289	1068	2.42		1.4	3391	1007	2.28

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

7.5 Ton • 225 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG0903WH, DHG0904WH, DHG0907WH

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1954	552	0.40	T1**	0.2	2102	495	0.36
	0.4	-	-	-		0.4	1906	566	0.41
	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	-	-	-
T2**	2.0	-	-	-		2.0	-	-	-
	0.2	3527	774	1.34	T2**	0.2	3642	714	1.23
	0.4	3332	814	1.40		0.4	3544	743	1.28
	0.6	3180	853	1.47		0.6	3415	786	1.36
	0.8	3061	891	1.54		0.8	3278	827	1.43
	1.0	2889	927	1.60		1.0	3147	870	1.50
	1.2	2735	969	1.67		1.2	2998	915	1.58
	1.4	2563	1008	1.74		1.4	2852	971	1.68
	1.6	2392	1050	1.81		1.6	2666	1010	1.74
	1.8	2237	1086	1.87		1.8	2482	1060	1.83
T3	2.0	2077	1119	1.93		2.0	2323	1096	1.89
	0.2	3194	716	1.05	T3	0.2	3336	657	0.96
	0.4	3010	760	1.11		0.4	3185	696	1.02
	0.6	2852	805	1.18		0.6	3029	750	1.10
	0.8	2705	847	1.24		0.8	2862	796	1.17
	1.0	2542	885	1.30		1.0	2699	840	1.23
	1.2	2360	934	1.37		1.2	2509	893	1.31
	1.4	-	-	-		1.4	2320	954	1.40
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
T4	2.0	-	-	-		2.0	-	-	-
	0.2	-	-	-	T4	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	3769	961	2.22		0.6	-	-	-
	0.8	3645	1000	2.32		0.8	-	-	-
	1.0	3496	1042	2.42		1.0	-	-	-
	1.2	3398	1073	2.49		1.2	3674	995	2.31
	1.4	3293	1099	2.55		1.4	3566	1035	2.40
	1.6	3065	1137	2.64		1.6	3459	1067	2.48
	1.8	2958	1163	2.70		1.8	3361	1097	2.55
T5	2.0	2810	1208	2.80		2.0	3261	1134	2.63
	0.2	-	-	-	T5	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	3754	1063	2.66		1.0	-	-	-
	1.2	3662	1090	2.73		1.2	-	-	-
	1.4	3578	1115	2.80		1.4	3795	1047	2.62
	1.6	3519	1137	2.84		1.6	3706	1077	2.69
	1.8	3325	1166	2.91		1.8	3641	1114	2.79
T6**	2.0	3161	1203	3.01		2.0	3565	1145	2.86
	0.2	2569	626	0.66	T6**	0.2	2728	568	0.60
	0.4	2389	678	0.72		0.4	2533	625	0.66
	0.6	2194	732	0.78		0.6	2314	695	0.74
	0.8	2015	780	0.83		0.8	2125	749	0.79
	1.0	1974	821	0.87		1.0	1875	792	0.84
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

7.5 Ton • 225 MBH Gas Heat Exchanger • High Static Direct Drive
Models: DHG0903WH, DHG0904WH, DHG0907WH

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	-	-	-	T7**	0.2	-	-	-
	0.4	3048	766	1.14		0.4	-	-	-
	0.6	2892	811	1.21		0.6	3074	754	1.13
	0.8	2747	852	1.27		0.8	2910	800	1.19
	1.0	2581	890	1.33		1.0	2751	843	1.26
	1.2	2402	938	1.40		1.2	2566	895	1.34
	1.4	2216	980	1.46		1.4	2382	956	1.43
	1.6	2043	1023	1.53		1.6	2200	998	1.49
	1.8	1893	1062	1.58		1.8	2005	1047	1.56
	2.0	-	-	-		2.0	1836	1083	1.62
T8	0.2	3744	819	1.58	T8	0.2	3828	758	1.46
	0.4	3536	854	1.64		0.4	3784	778	1.50
	0.6	3378	889	1.71		0.6	3669	813	1.57
	0.8	3286	924	1.78		0.8	3564	850	1.64
	1.0	3144	960	1.85		1.0	3444	894	1.72
	1.2	3009	995	1.92		1.2	3320	933	1.80
	1.4	2855	1031	1.99		1.4	3197	984	1.89
	1.6	2687	1072	2.06		1.6	3023	1020	1.96
	1.8	2526	1107	2.13		1.8	2852	1071	2.06
T9	0.2	3998	907	2.14	T9	0.2	-	-	-
	0.4	3905	939	2.22		0.4	-	-	-
	0.6	3812	972	2.29		0.6	4100	872	2.06
	0.8	3693	1005	2.37		0.8	4086	901	2.12
	1.0	3617	1041	2.46		1.0	3955	944	2.23
	1.2	3539	1069	2.52		1.2	3864	970	2.29
	1.4	3478	1098	2.59		1.4	3758	1013	2.39
	1.6	3376	1127	2.66		1.6	3659	1042	2.46
	1.8	3271	1162	2.74		1.8	3525	1096	2.59
T10	0.2	3111	1208	2.85	T10	2.0	3406	1132	2.67
	0.4	-	-	-		0.2	-	-	-
	0.6	-	-	-		0.4	-	-	-
	0.8	-	-	-		0.6	-	-	-
	1.0	4156	1104	3.08		0.8	-	-	-
	1.2	4032	1128	3.14		1.0	-	-	-
	1.4	3908	1151	3.21		1.2	-	-	-
	1.6	3784	1175	3.27		1.4	4040	1074	2.99
	1.8	3660	1198	3.34		1.6	4023	1106	3.08
	2.0	3536	1222	3.40		1.8	3859	1138	3.17
						2.0	3812	1167	3.25

shaded speed tap- Gas heating airflow.

** (T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 130 MBH Gas Heat Exchanger • Standard Static Direct Drive
Models: DHG1023DL, DHG1024DL, DHG1027DL

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1714	496	0.32	T1**	0.2	1856	423	0.27
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
T2**	0.2	2365	599	0.61	T2**	0.2	2671	503	0.51
	0.4	2208	649	0.66		0.4	2492	568	0.57
	0.6	2048	695	0.70		0.6	2335	628	0.64
	0.8	-	-	-		0.8	2027	690	0.70
T3	0.2	2798	671	0.88	T3	0.2	3144	564	0.74
	0.4	2687	713	0.93		0.4	3005	607	0.79
	0.6	-	-	-		0.6	2824	671	0.88
	0.8	-	-	-		0.8	2661	722	0.95
T4	0.2	3522	795	1.51	T4	0.2	3921	655	1.25
	0.4	3389	828	1.58		0.4	3775	700	1.33
	0.6	3240	865	1.65		0.6	3630	745	1.42
	0.8	3083	898	1.71		0.8	3449	786	1.50
T5	0.2	3830	847	1.83	T5	0.2	4210	694	1.49
	0.4	3702	881	1.90		0.4	4071	737	1.59
	0.6	3563	915	1.97		0.6	3942	777	1.67
	0.8	3399	946	2.04		0.8	3746	819	1.76
T6**	0.2	1889	528	0.38	T6**	0.2	2056	443	0.32
	0.4	1827	589	0.43		0.4	1887	522	0.38
	0.6	1445	667	0.48		0.6	1702	591	0.43
	0.8	-	-	-		0.8	1327	707	0.51
T7**	0.2	2193	571	0.53	T7**	0.2	2445	487	0.45
	0.4	2090	635	0.59		0.4	2283	556	0.51
	0.6	1959	698	0.64		0.6	2098	617	0.57
	0.8	1704	763	0.70		0.8	1828	688	0.64
T8	0.2	2489	616	0.69	T8	0.2	2760	545	0.61
	0.4	2351	679	0.76		0.4	2630	587	0.66
	0.6	2235	729	0.82		0.6	2487	641	0.72
	0.8	2050	780	0.87		0.8	2264	701	0.79
T9	0.2	2860	679	0.94	T9	0.2	3234	581	0.80
	0.4	2699	735	1.02		0.4	3043	626	0.87
	0.6	2554	774	1.07		0.6	2866	675	0.93
	0.8	2446	817	1.13		0.8	2677	729	1.01
T10	0.2	3182	743	1.22	T10	0.2	3655	604	0.99
	0.4	3041	788	1.30		0.4	3427	663	1.09
	0.6	2953	821	1.35		0.6	3210	714	1.17
	0.8	2797	868	1.43		0.8	3066	759	1.25

shaded speed tap- Gas heating airflow.

** (T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 130 MBH Gas Heat Exchanger • Medium Static Direct Drive
Models: DHG1023LL, DHG1024LL, DHG1027LL

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1714	496	0.32
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
T2**	0.2	3114	722	1.12
	0.4	2977	761	1.18
	0.6	2825	800	1.24
	0.8	2634	846	1.31
	1.0	2474	878	1.36
	1.2	2236	931	1.44
T3	0.2	2798	671	0.88
	0.4	2687	713	0.93
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
T4	0.2	3997	874	1.99
	0.4	3869	909	2.07
	0.6	3740	942	2.14
	0.8	3578	975	2.22
	1.0	3417	1009	2.29
	1.2	3257	1039	2.36
T5	0.2	3091	1069	2.43
	0.4	-	-	-
	0.6	4125	958	2.46
	0.8	3997	992	2.55
	1.0	3806	1021	2.63
	1.2	3701	1056	2.72
T6**	0.2	3547	1081	2.78
	0.4	3374	1101	2.83
	0.6	-	-	-
	0.8	1863	520	0.37
	1.0	1748	587	0.42
	1.2	1403	671	0.48
T7**	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
T8	0.2	2398	602	0.64
	0.4	2270	665	0.70
	0.6	2161	719	0.76
	0.8	1948	774	0.82
	1.0	1818	821	0.87
	1.2	1520	901	0.95
T9	0.2	1487	951	1.01
	0.4	2398	602	0.64
	0.6	2270	665	0.70
	0.8	2161	719	0.76
	1.0	1948	774	0.82
	1.2	1818	821	0.87
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1856	423	0.27
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
T2**	0.2	3458	603	0.93
	0.4	3292	658	1.02
	0.6	3155	700	1.08
	0.8	3007	747	1.16
	1.0	2844	797	1.23
	1.2	2681	836	1.29
T3	0.2	2469	885	1.37
	0.4	3144	564	0.74
	0.6	3005	607	0.79
	0.8	2824	671	0.88
	1.0	2661	722	0.95
	1.2	-	-	-
T4	0.2	-	-	-
	0.4	4200	754	1.71
	0.6	4070	791	1.80
	0.8	3879	838	1.91
	1.0	3699	874	1.99
	1.2	3535	923	2.10
T5	0.2	3341	946	2.15
	0.4	-	-	-
	0.6	-	-	-
	0.8	4194	863	2.22
	1.0	4012	898	2.31
	1.2	3879	955	2.45
T6**	0.2	3683	967	2.49
	0.4	2029	440	0.31
	0.6	1855	519	0.37
	0.8	1666	593	0.42
	1.0	-	-	-
	1.2	-	-	-
T7**	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
T8	0.2	2645	528	0.56
	0.4	2515	577	0.61
	0.6	2360	634	0.67
	0.8	2137	694	0.74
	1.0	1801	757	0.80
	1.2	1532	814	0.86
T9	0.2	-	-	-
	0.4	2645	528	0.56
	0.6	2515	577	0.61
	0.8	2360	634	0.67
	1.0	2137	694	0.74
	1.2	1801	757	0.80
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	3664	603	1.01
	1.2	3429	666	1.11

shaded speed tap- Gas heating airflow.

** (T1) (T2) and (T6) (T7) are part load only.

8.5 Ton • 130 MBH Gas Heat Exchanger • High Static Direct Drive
Models: DHG1023WL, DHG1024WL, DHG1027WL

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1714	496	0.32	T1**	0.2	1856	423	0.27
	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	3674	820	1.66	T2**	0.2	4061	675	1.37
	0.4	3544	853	1.73		0.4	3919	720	1.46
	0.6	3402	889	1.80		0.6	3792	761	1.54
	0.8	3235	920	1.86		0.8	3610	802	1.62
	1.0	3055	956	1.94		1.0	3427	845	1.71
	1.2	2891	986	2.00		1.2	3261	894	1.81
	1.4	2708	1011	2.05		1.4	3042	919	1.86
	1.6	2499	1071	2.17		1.6	2865	962	1.95
	1.8	2307	1103	2.23		1.8	2649	1020	2.06
	2.0	2054	1146	2.32		2.0	2487	1041	2.11
T3	0.2	2798	671	0.88	T3	0.2	3144	564	0.74
	0.4	2687	713	0.93		0.4	3005	607	0.79
	0.6	-	-	-		0.6	2824	671	0.88
	0.8	-	-	-		0.8	2661	722	0.95
	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	4166	907	2.22	T4	0.2	-	-	-
	0.4	4029	939	2.30		0.4	-	-	-
	0.6	3906	969	2.37		0.6	4261	812	1.99
	0.8	3717	1003	2.45		0.8	4051	849	2.08
	1.0	3544	1037	2.54		1.0	3857	885	2.17
	1.2	3394	1064	2.60		1.2	3718	922	2.25
	1.4	3219	1092	2.67		1.4	3536	957	2.34
	1.6	3060	1121	2.74		1.6	3369	993	2.43
	1.8	2887	1148	2.81		1.8	3199	1028	2.52
	2.0	2721	1176	2.88		2.0	3048	1064	2.60
T5	0.2	-	-	-	T5	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	4221	1022	2.85		0.6	-	-	-
	0.8	4047	1052	2.93		0.8	-	-	-
	1.0	3889	1084	3.02		1.0	-	-	-
	1.2	3734	1109	3.09		1.2	4145	950	2.65
	1.4	3555	1133	3.16		1.4	3925	986	2.75
	1.6	3396	1162	3.24		1.6	3783	1018	2.84
	1.8	3210	1186	3.30		1.8	3606	1051	2.93
	2.0	3041	1211	3.37		2.0	3415	1085	3.02
T6**	0.2	2398	602	0.64	T6**	0.2	2645	528	0.56
	0.4	2270	665	0.70		0.4	2515	577	0.61
	0.6	2161	719	0.76		0.6	2360	634	0.67
	0.8	1948	774	0.82		0.8	2137	694	0.74
	1.0	1818	821	0.87		1.0	1801	757	0.80
	1.2	1520	901	0.95		1.2	1532	814	0.86
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-

shaded speed tap- Gas heating airflow.

** (T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 130 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG1023WL, DHG1024WL, DHG1027WL

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	-	-	-
	0.4	2729	741	1.06
	0.6	2574	789	1.13
	0.8	2447	824	1.18
	1.0	2310	847	1.21
	1.2	2126	857	1.22
	1.4	1858	948	1.35
	1.6	1746	1021	1.46
	1.8	1577	1075	1.54
	2.0	1420	1111	1.59
T8	0.2	2947	695	1.01
	0.4	2787	749	1.09
	0.6	2649	786	1.14
	0.8	2539	829	1.20
	1.0	2287	872	1.26
	1.2	2202	917	1.33
	1.4	1896	972	1.41
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T9	0.2	3704	751	1.59
	0.4	3606	786	1.67
	0.6	3491	903	1.92
	0.8	3366	951	2.02
	1.0	3247	981	2.08
	1.2	3108	1015	2.15
	1.4	2970	1050	2.23
	1.6	2833	1082	2.30
	1.8	2661	1117	2.37
	2.0	2477	1179	2.50
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	3867	1078	3.00
	1.2	3743	1109	3.09
	1.4	3606	1138	3.17
	1.6	3474	1165	3.25
	1.8	3340	1193	3.32
	2.0	3204	1219	3.40

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	2767	734	1.05
	1.0	2539	781	1.12
	1.2	2280	837	1.20
	1.4	2083	892	1.27
	1.6	1834	946	1.35
	1.8	1477	1014	1.45
	2.0	-	-	-
T8	0.2	3354	587	0.85
	0.4	3145	635	0.92
	0.6	2952	685	0.99
	0.8	2776	736	1.07
	1.0	2573	785	1.14
	1.2	2318	840	1.22
	1.4	2119	896	1.30
	1.6	1875	950	1.38
	1.8	-	-	-
	2.0	-	-	-
T9	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	3761	817	1.73
	1.0	3588	854	1.81
	1.2	3342	894	1.90
	1.4	3145	938	1.99
	1.6	2888	981	2.08
	1.8	2688	1022	2.17
	2.0	2433	1065	2.26
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	3767	1022	2.85
	1.8	3581	1060	2.95
	2.0	3370	1096	3.05

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 180 MBH Gas Heat Exchanger • Standard Static Direct Drive
Models: DHG1023DM, DHG1024DM, DHG1027DM

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1902	520	0.37
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	2365	599	0.61
	0.4	2208	649	0.66
	0.6	2048	695	0.70
	0.8	1892	736	0.74
T3	0.2	3026	709	1.06
	0.4	2905	748	1.11
	0.6	2735	788	1.17
	0.8	2593	831	1.24
T4	0.2	3522	795	1.51
	0.4	3389	828	1.58
	0.6	3240	865	1.65
	0.8	3083	898	1.71
T5	0.2	3830	847	1.83
	0.4	3702	881	1.90
	0.6	3563	915	1.97
	0.8	3399	946	2.04
T6**	0.2	1539	469	0.27
	0.4	1317	556	0.31
	0.6	994	634	0.36
	0.8	-	-	-
T7**	0.2	2327	591	0.60
	0.4	2207	655	0.66
	0.6	2098	712	0.72
	0.8	1865	770	0.78
T8	0.2	2266	588	0.56
	0.4	2126	638	0.61
	0.6	1989	694	0.66
	0.8	1747	765	0.73
T9	0.2	2743	658	0.85
	0.4	2585	717	0.93
	0.6	2443	759	0.99
	0.8	-	-	-
T10	0.2	3182	743	1.22
	0.4	3041	788	1.30
	0.6	2953	821	1.35
	0.8	2797	868	1.43

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2029	440	0.31
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	2671	503	0.51
	0.4	2492	568	0.57
	0.6	2335	628	0.64
	0.8	2027	690	0.70
T3	0.2	3391	593	0.88
	0.4	3245	641	0.95
	0.6	3095	693	1.03
	0.8	2948	739	1.10
T4	0.2	3921	655	1.25
	0.4	3775	700	1.33
	0.6	3630	745	1.42
	0.8	3449	786	1.50
T5	0.2	4210	694	1.49
	0.4	4071	737	1.59
	0.6	3942	777	1.67
	0.8	3746	819	1.76
T6**	0.2	1650	405	0.23
	0.4	1369	515	0.29
	0.6	1105	589	0.33
	0.8	-	-	-
T7**	0.2	2571	513	0.52
	0.4	2433	570	0.58
	0.6	2261	630	0.64
	0.8	2042	690	0.70
T8	0.2	2491	493	0.47
	0.4	2318	560	0.53
	0.6	2125	625	0.60
	0.8	1918	683	0.65
T9	0.2	3073	572	0.74
	0.4	2909	613	0.80
	0.6	2751	663	0.86
	0.8	2547	719	0.93
T10	0.2	3655	604	0.99
	0.4	3427	663	1.09
	0.6	3210	714	1.17
	0.8	3066	759	1.25

shaded speed tap- Gas heating airflow.

** (T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 180 MBH Gas Heat Exchanger • Medium Static Direct Drive

Models: DHG1023LM, DHG1024LM, DHG1027LM

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1863	520	0.37
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3114	722	1.12
	0.4	2977	761	1.18
	0.6	2825	800	1.24
	0.8	2634	846	1.31
	1.0	2474	878	1.36
	1.2	2236	931	1.44
	1.4	1990	986	1.53
T3	0.2	3026	709	1.06
	0.4	2905	748	1.11
	0.6	2735	788	1.17
	0.8	2593	831	1.24
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	3997	874	1.99
	0.4	3869	909	2.07
	0.6	3740	942	2.14
	0.8	3578	975	2.22
	1.0	3417	1009	2.29
	1.2	3257	1039	2.36
	1.4	3091	1069	2.43
T5	0.2	-	-	-
	0.4	4125	958	2.46
	0.6	3997	992	2.55
	0.8	3806	1021	2.63
	1.0	3701	1056	2.72
	1.2	3547	1081	2.78
	1.4	3374	1101	2.83
T6**	0.2	2137	563	0.50
	0.4	2041	626	0.56
	0.6	1888	692	0.61
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	2948	681	0.97
	0.4	2729	741	1.06
	0.6	2574	789	1.13
	0.8	2447	824	1.18
	1.0	2310	847	1.21
	1.2	2126	857	1.22
	1.4	1858	948	1.35
T8	0.2	3256	760	1.30
	0.4	3128	802	1.37
	0.6	3059	834	1.42
	0.8	2885	884	1.51
	1.0	2779	916	1.6
	1.2	2619	955	1.63
	1.4	2449	1000	1.71
T9	0.2	3571	777	1.55
	0.4	3475	815	1.63
	0.6	3364	887	1.77
	0.8	3239	920	1.84
	1.0	3115	957	1.91
	1.2	2974	997	2.00
	1.4	2825	1031	2.06
T10	0.2	3879	753	1.72
	0.4	3777	802	1.83
	0.6	3658	923	2.11
	0.8	3532	980	2.24
	1.0	3416	1008	2.30
	1.2	3280	1038	2.37
	1.4	3152	1071	2.45

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2029	440	0.31
	0.4	1855	519	0.37
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3458	603	0.93
	0.4	3292	658	1.02
	0.6	3155	700	1.08
	0.8	3007	747	1.16
	1.0	2844	797	1.23
	1.2	2681	836	1.29
	1.4	2469	885	1.37
T3	0.2	3391	593	0.88
	0.4	3245	641	0.95
	0.6	3095	693	1.03
	0.8	2948	739	1.10
	1.0	2789	789	1.17
	1.2	2614	847	1.26
	1.4	-	-	-
T4	0.2	-	-	-
	0.4	4200	754	1.71
	0.6	4070	791	1.80
	0.8	3879	838	1.91
	1.0	3699	874	1.99
	1.2	3535	923	2.10
	1.4	3341	946	2.15
T5	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	4194	863	2.22
	1.0	4012	898	2.31
	1.2	3879	955	2.45
	1.4	3683	967	2.49
T6**	0.2	2382	479	0.42
	0.4	2229	549	0.49
	0.6	2053	611	0.54
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	3346	591	0.84
	0.4	3123	632	0.90
	0.6	2931	681	0.97
	0.8	2767	734	1.05
	1.0	2539	781	1.12
	1.2	2280	837	1.20
	1.4	2083	892	1.27
T8	0.2	3734	613	1.05
	0.4	3520	673	1.15
	0.6	3311	723	1.24
	0.8	3172	767	1.31
	1.0	2951	811	1.39
	1.2	2724	859	1.47
	1.4	2547	909	1.55
T9	0.2	3992	669	1.34
	0.4	3881	710	1.42
	0.6	3776	756	1.51
	0.8	3631	804	1.61
	1.0	3474	841	1.68
	1.2	3329	884	1.77
	1.4	3125	928	1.86
T10	0.2	4350	708	1.62
	0.4	4212	747	1.71
	0.6	4054	789	1.80
	0.8	3912	834	1.91
	1.0	3711	872	1.99
	1.2	3501	907	2.07
	1.4	2986	951	2.17

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 180 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG1023WM, DHG1024WM, DHG1027WM

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1863	520	0.37	T1**	0.2	2029	440	0.31
	0.4	-	-	-		0.4	1855	519	0.37
	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	3674	820	1.66	T2**	0.2	4061	675	1.37
	0.4	3544	853	1.73		0.4	3919	720	1.46
	0.6	3402	889	1.80		0.6	3792	761	1.54
	0.8	3235	920	1.86		0.8	3610	802	1.62
	1.0	3055	956	1.94		1.0	3427	845	1.71
	1.2	2891	986	2.00		1.2	3261	894	1.81
	1.4	2708	1011	2.05		1.4	3042	919	1.86
	1.6	2499	1071	2.17		1.6	2865	962	1.95
	1.8	2307	1103	2.23		1.8	2649	1020	2.06
	2.0	2054	1146	2.32		2.0	2487	1041	2.11
T3	0.2	3026	709	1.06	T3	0.2	3391	593	0.88
	0.4	2905	748	1.11		0.4	3245	641	0.95
	0.6	2735	788	1.17		0.6	3095	693	1.03
	0.8	2593	831	1.24		0.8	2948	739	1.10
	1.0	-	-	-		1.0	2789	789	1.17
	1.2	-	-	-		1.2	2614	847	1.26
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T4	0.2	4166	907	2.22	T4	0.2	-	-	-
	0.4	4029	939	2.30		0.4	-	-	-
	0.6	3906	969	2.37		0.6	-	-	-
	0.8	3717	1003	2.45		0.8	4051	849	2.08
	1.0	3544	1037	2.54		1.0	3857	885	2.17
	1.2	3394	1064	2.60		1.2	3718	922	2.25
	1.4	3219	1092	2.67		1.4	3536	957	2.34
	1.6	3060	1121	2.74		1.6	3369	993	2.43
	1.8	2887	1148	2.81		1.8	3199	1028	2.52
	2.0	2721	1176	2.88		2.0	3048	1064	2.60
T5	0.2	-	-	-	T5	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	4221	1022	2.85		0.6	-	-	-
	0.8	4047	1052	2.93		0.8	-	-	-
	1.0	3889	1084	3.02		1.0	-	-	-
	1.2	3734	1109	3.09		1.2	4145	950	2.65
	1.4	3555	1133	3.16		1.4	3925	986	2.75
	1.6	3396	1162	3.24		1.6	3783	1018	2.84
	1.8	3210	1186	3.30		1.8	3606	1051	2.93
	2.0	3041	1211	3.37		2.0	3415	1085	3.02
T6**	0.2	2464	612	0.68	T6**	0.2	2719	539	0.60
	0.4	2329	675	0.75		0.4	2590	584	0.64
	0.6	2215	727	0.80		0.6	2444	638	0.70
	0.8	2022	778	0.86		0.8	2221	699	0.77
	1.0	-	-	-		1.0	1930	759	0.84
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 180 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG1023WM, DHG1024WM, DHG1027WM

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	3302	768	1.35
	0.4	3209	847	1.49
	0.6	3103	851	1.50
	0.8	2979	886	1.56
	1.0	2840	930	1.64
	1.2	2696	964	1.70
	1.4	2513	1027	1.81
	1.6	2312	1039	1.83
	1.8	2123	1102	1.94
T8	2.0	1895	1155	2.03
	0.2	3392	853	1.57
	0.4	3298	852	1.57
	0.6	3191	864	1.59
	0.8	3066	864	1.59
	1.0	2933	915	1.68
	1.2	2790	975	1.79
	1.4	2620	1002	1.84
	1.6	-	-	-
T9	1.8	-	-	-
	2.0	-	-	-
	0.2	3912	757	1.75
	0.4	3808	816	1.89
	0.6	3689	927	2.15
	0.8	3562	984	2.28
	1.0	3447	1012	2.35
	1.2	3312	1042	2.41
	1.4	3185	1075	2.49
T10	1.6	3063	1106	2.56
	1.8	2903	1126	2.61
	2.0	2773	1181	2.74
	0.2	4380	941	2.62
	0.4	4256	977	2.72
	0.6	4126	1012	2.82
	0.8	3991	1046	2.91
	1.0	3867	1078	3.00
	1.2	3743	1109	3.09
T10	1.4	3606	1138	3.17
	1.6	3474	1165	3.25
	1.8	3340	1193	3.32
	2.0	3204	1219	3.40

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	3734	626	1.10
	0.4	3574	679	1.20
	0.6	3431	729	1.28
	0.8	3283	775	1.37
	1.0	3115	817	1.44
	1.2	2941	865	1.52
	1.4	2747	908	1.60
	1.6	2425	958	1.69
	1.8	2211	1011	1.78
T8	2.0	1860	1086	1.91
	0.2	3835	638	1.17
	0.4	3695	691	1.27
	0.6	3544	739	1.36
	0.8	3402	784	1.44
	1.0	3228	826	1.52
	1.2	3034	870	1.60
	1.4	2840	920	1.69
	1.6	2615	962	1.77
T9	1.8	-	-	-
	2.0	-	-	-
	0.2	4388	712	1.65
	0.4	4245	751	1.74
	0.6	4081	792	1.84
	0.8	3940	837	1.94
	1.0	3734	875	2.03
	1.2	3539	910	2.11
	1.4	3317	953	2.21
T10	1.6	3092	995	2.31
	1.8	2880	1030	2.39
	2.0	2653	1068	2.48
	0.2	4802	776	2.16
	0.4	4695	811	2.26
	0.6	4585	847	2.36
	0.8	4462	883	2.46
	1.0	4315	922	2.57
	1.2	4153	952	2.65
T10	1.4	3975	989	2.76
	1.6	3767	1022	2.85
	1.8	3581	1060	2.95
	2.0	3370	1096	3.05

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 225 MBH Gas Heat Exchanger • Standard Static Direct Drive

Models: DHG1023DH, DHG1024DH, DHG1027DH

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1902	520	0.37
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	2365	599	0.61
	0.4	2208	649	0.66
	0.6	2048	695	0.70
	0.8	1892	736	0.74
T3	0.2	3026	709	1.06
	0.4	2905	748	1.11
	0.6	2735	788	1.17
	0.8	2593	831	1.24
T4	0.2	3522	795	1.51
	0.4	3389	828	1.58
	0.6	3240	865	1.65
	0.8	3083	898	1.71
T5	0.2	3830	847	1.83
	0.4	3702	881	1.90
	0.6	3563	915	1.97
	0.8	3399	946	2.04
T6**	0.2	2024	546	0.44
	0.4	1928	606	0.48
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2398	602	0.64
	0.4	2270	665	0.70
	0.6	2161	719	0.76
	0.8	1948	774	0.82
T8	0.2	2774	663	0.88
	0.4	2615	722	0.95
	0.6	2471	763	1.01
	0.8	-	-	-
T9	0.2	2988	703	1.04
	0.4	2829	756	1.12
	0.6	2697	792	1.17
	0.8	2583	835	1.24
T10	0.2	3182	743	1.22
	0.4	3041	788	1.30
	0.6	2953	821	1.35
	0.8	2797	868	1.43

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2029	440	0.31
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	2671	503	0.51
	0.4	2492	568	0.57
	0.6	2335	628	0.64
	0.8	2027	690	0.70
T3	0.2	3391	593	0.88
	0.4	3245	641	0.95
	0.6	3095	693	1.03
	0.8	2948	739	1.10
T4	0.2	3921	655	1.25
	0.4	3775	700	1.33
	0.6	3630	745	1.42
	0.8	3449	786	1.50
T5	0.2	4210	694	1.49
	0.4	4071	737	1.59
	0.6	3942	777	1.67
	0.8	3746	819	1.76
T6**	0.2	2216	459	0.37
	0.4	2066	533	0.43
	0.6	1894	599	0.48
	0.8	-	-	-
T7**	0.2	2645	528	0.56
	0.4	2515	577	0.61
	0.6	2360	634	0.67
	0.8	2137	694	0.74
T8	0.2	3116	575	0.76
	0.4	2944	616	0.81
	0.6	2782	666	0.88
	0.8	2582	722	0.95
T9	0.2	3410	589	0.87
	0.4	3193	640	0.95
	0.6	2993	690	1.02
	0.8	2823	740	1.10
T10	0.2	3655	604	0.99
	0.4	3427	663	1.09
	0.6	3210	714	1.17
	0.8	3066	759	1.25

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 225 MBH Gas Heat Exchanger • Medium Static Direct Drive

Models: DHG1023LH, DHG1024LH, DHG1027LH

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1863	520	0.37
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3114	722	1.12
	0.4	2977	761	1.18
	0.6	2825	800	1.24
	0.8	2634	846	1.31
	1.0	2474	878	1.36
	1.2	2236	931	1.44
	1.4	1990	986	1.53
T3	0.2	3026	709	1.06
	0.4	2905	748	1.11
	0.6	2735	788	1.17
	0.8	2593	831	1.24
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	3997	874	1.99
	0.4	3869	909	2.07
	0.6	3740	942	2.14
	0.8	3578	975	2.22
	1.0	3417	1009	2.29
	1.2	3257	1039	2.36
	1.4	3091	1069	2.43
T5	0.2	-	-	-
	0.4	4125	958	2.46
	0.6	3997	992	2.55
	0.8	3806	1021	2.63
	1.0	3701	1056	2.72
	1.2	3547	1081	2.78
	1.4	3374	1101	2.83
T6**	0.2	2202	572	0.53
	0.4	2098	636	0.59
	0.6	1969	698	0.65
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	2948	681	0.97
	0.4	2729	741	1.06
	0.6	2574	789	1.13
	0.8	2447	824	1.18
	1.0	2310	847	1.21
	1.2	2126	857	1.22
	1.4	1858	948	1.35
T8	0.2	3256	760	1.30
	0.4	3128	802	1.37
	0.6	3059	834	1.42
	0.8	2885	884	1.51
	1.0	2779	916	1.6
	1.2	2619	955	1.63
	1.4	2449	1000	1.71
T9	0.2	3571	777	1.55
	0.4	3475	815	1.63
	0.6	3364	887	1.77
	0.8	3239	920	1.84
	1.0	3115	957	1.91
	1.2	2974	997	2.00
	1.4	2825	1031	2.06
T10	0.2	3879	753	1.72
	0.4	3777	802	1.83
	0.6	3658	923	2.11
	0.8	3532	980	2.24
	1.0	3416	1008	2.30
	1.2	3280	1038	2.37
	1.4	3152	1071	2.45

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2029	440	0.31
	0.4	1855	519	0.37
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3458	603	0.93
	0.4	3292	658	1.02
	0.6	3155	700	1.08
	0.8	3007	747	1.16
	1.0	2844	797	1.23
	1.2	2681	836	1.29
	1.4	2469	885	1.37
T3	0.2	3391	593	0.88
	0.4	3245	641	0.95
	0.6	3095	693	1.03
	0.8	2948	739	1.10
	1.0	2789	789	1.17
	1.2	2614	847	1.26
	1.4	-	-	-
T4	0.2	-	-	-
	0.4	4200	754	1.71
	0.6	4070	791	1.80
	0.8	3879	838	1.91
	1.0	3699	874	1.99
	1.2	3535	923	2.10
	1.4	3341	946	2.15
T5	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	4194	863	2.22
	1.0	4012	898	2.31
	1.2	3879	955	2.45
	1.4	3683	967	2.49
T6**	0.2	2455	488	0.45
	0.4	2291	558	0.52
	0.6	2105	618	0.57
	0.8	1842	688	0.64
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	-	-	-
	0.4	3123	632	0.90
	0.6	2931	681	0.97
	0.8	2767	734	1.05
	1.0	2539	781	1.12
	1.2	2280	837	1.20
	1.4	2083	892	1.27
T8	0.2	3734	613	1.05
	0.4	3520	673	1.15
	0.6	3311	723	1.24
	0.8	3172	767	1.31
	1.0	2951	811	1.39
	1.2	2724	859	1.47
	1.4	2547	909	1.55
T9	0.2	3992	669	1.34
	0.4	3881	710	1.42
	0.6	3776	756	1.51
	0.8	3631	804	1.61
	1.0	3474	841	1.68
	1.2	3329	884	1.77
	1.4	3125	928	1.86
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	4054	789	1.80
	0.8	3912	834	1.91
	1.0	3711	872	1.99
	1.2	3501	907	2.07
	1.4	2986	951	2.17

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 225 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG1023WH, DHG1024WH, DHG1027WH

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	1863	520	0.37
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T2**	0.2	3674	820	1.66
	0.4	3544	853	1.73
	0.6	3402	889	1.80
	0.8	3235	920	1.86
	1.0	3055	956	1.94
	1.2	2891	986	2.00
	1.4	2708	1011	2.05
	1.6	2499	1071	2.17
	1.8	2307	1103	2.23
	2.0	2054	1146	2.32
T3	0.2	3026	709	1.06
	0.4	2905	748	1.11
	0.6	2735	788	1.17
	0.8	2593	831	1.24
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T4	0.2	4166	907	2.22
	0.4	4029	939	2.30
	0.6	3906	969	2.37
	0.8	3717	1003	2.45
	1.0	3544	1037	2.54
	1.2	3394	1064	2.60
	1.4	3219	1092	2.67
	1.6	3060	1121	2.74
	1.8	2887	1148	2.81
	2.0	2721	1176	2.88
T5	0.2	-	-	-
	0.4	-	-	-
	0.6	4221	1022	2.85
	0.8	4047	1052	2.93
	1.0	3889	1084	3.02
	1.2	3734	1109	3.09
	1.4	3555	1133	3.16
	1.6	3396	1162	3.24
	1.8	3210	1186	3.30
	2.0	3041	1211	3.37
T6**	0.2	2522	621	0.71
	0.4	2381	684	0.78
	0.6	2261	733	0.84
	0.8	2087	783	0.89
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2029	440	0.31
	0.4	1855	519	0.37
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T2**	0.2	4061	675	1.37
	0.4	3919	720	1.46
	0.6	3792	761	1.54
	0.8	3610	802	1.62
	1.0	3427	845	1.71
	1.2	3261	894	1.81
	1.4	3042	919	1.86
	1.6	2865	962	1.95
	1.8	2649	1020	2.06
	2.0	2487	1041	2.11
T3	0.2	3391	593	0.88
	0.4	3245	641	0.95
	0.6	3095	693	1.03
	0.8	2948	739	1.10
	1.0	2789	789	1.17
	1.2	2614	847	1.26
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T4	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	4051	849	2.08
	1.0	3857	885	2.17
	1.2	3718	922	2.25
	1.4	3536	957	2.34
	1.6	3369	993	2.43
	1.8	3199	1028	2.52
	2.0	3048	1064	2.60
T5	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	4145	950	2.65
	1.4	3925	986	2.75
	1.6	3783	1018	2.84
	1.8	3606	1051	2.93
	2.0	3415	1085	3.02
T6**	0.2	2787	548	0.63
	0.4	2656	590	0.67
	0.6	2514	643	0.73
	0.8	2292	703	0.80
	1.0	2032	762	0.87
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

8.5 Ton • 225 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG1023WH, DHG1024WH, DHG1027WH

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	-	-	-
	0.4	-	-	-
	0.6	3103	851	1.50
	0.8	2979	886	1.56
	1.0	2840	930	1.64
	1.2	2696	964	1.70
	1.4	2513	1027	1.81
	1.6	2312	1039	1.83
	1.8	2123	1102	1.94
	2.0	1895	1155	2.03
T8	0.2	3531	789	1.55
	0.4	3436	825	1.62
	0.6	3325	882	1.73
	0.8	3201	910	1.79
	1.0	3075	948	1.86
	1.2	2934	992	1.95
	1.4	2780	1025	2.01
	1.6	2620	1063	2.09
	1.8	2441	1111	2.18
	2.0	-	-	-
T9	0.2	3999	765	1.82
	0.4	3878	856	2.04
	0.6	3755	928	2.21
	0.8	3630	990	2.36
	1.0	3505	1020	2.43
	1.2	3378	1051	2.50
	1.4	3246	1083	2.58
	1.6	3113	1114	2.65
	1.8	2981	1138	2.71
	2.0	2846	1172	2.79
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	4126	1012	2.82
	0.8	3991	1046	2.91
	1.0	3867	1078	3.00
	1.2	3743	1109	3.09
	1.4	3606	1138	3.17
	1.6	3474	1165	3.25
	1.8	3340	1193	3.32
	2.0	3204	1219	3.40

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	3115	817	1.44
	1.2	2941	865	1.52
	1.4	2747	908	1.60
	1.6	2425	958	1.69
	1.8	2211	1011	1.78
	2.0	1860	1086	1.91
T8	0.2	3949	663	1.30
	0.4	3837	705	1.39
	0.6	3733	752	1.48
	0.8	3588	800	1.57
	1.0	3433	837	1.65
	1.2	3129	881	1.73
	1.4	3097	925	1.82
	1.6	2817	970	1.90
	1.8	2577	1016	2.00
	2.0	-	-	-
T9	0.2	-	-	-
	0.4	-	-	-
	0.6	4157	801	1.91
	0.8	4013	842	2.01
	1.0	3816	885	2.11
	1.2	3618	913	2.17
	1.4	3417	958	2.28
	1.6	3179	997	2.37
	1.8	2971	1036	2.47
	2.0	2740	1075	2.56
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	4153	952	2.65
	1.4	3975	989	2.76
	1.6	3767	1022	2.85
	1.8	3581	1060	2.95
	2.0	3370	1096	3.05

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.

10 Ton • 130 MBH Gas Heat Exchanger • Standard Static Direct Drive

Models: DHG1203DL, DHG1204DL, DHG1207DL

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2255	553	0.42
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	2910	654	0.78
	0.4	2702	687	0.82
	0.6	2410	753	0.90
	0.8	2250	827	0.98
T3	0.2	3293	675	1.04
	0.4	3137	725	1.12
	0.6	3010	766	1.19
	0.8	-	-	-
T4	0.2	3940	774	1.62
	0.4	3827	812	1.70
	0.6	3696	850	1.78
	0.8	3571	892	1.87
T5	0.2	4126	802	1.82
	0.4	4022	838	1.91
	0.6	3889	877	1.99
	0.8	3808	908	2.07
T6**	0.2	1756	460	0.24
	0.4	1547	535	0.29
	0.6	1338	599	0.34
	0.8	-	-	-
T7**	0.2	2111	508	0.38
	0.4	1917	575	0.43
	0.6	1742	634	0.48
	0.8	1585	688	0.52
T8	0.2	2443	554	0.53
	0.4	2264	612	0.58
	0.6	2109	669	0.64
	0.8	-	-	-
T9	0.2	3440	692	1.12
	0.4	3308	734	1.19
	0.6	3158	782	1.27
	0.8	3012	827	1.34
T10	0.2	3575	710	1.23
	0.4	3469	749	1.29
	0.6	3293	798	1.38
	0.8	3170	840	1.45

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2267	492	0.37
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	2942	562	0.67
	0.4	2760	613	0.73
	0.6	2431	706	0.84
	0.8	2350	802	0.95
T3	0.2	3464	626	0.97
	0.4	3294	683	1.06
	0.6	3139	730	1.13
	0.8	-	-	-
T4	0.2	4159	707	1.48
	0.4	4062	742	1.56
	0.6	3880	794	1.66
	0.8	3722	844	1.77
T5	0.2	4366	732	1.66
	0.4	4177	786	1.79
	0.6	4097	817	1.86
	0.8	3973	854	1.94
T6**	0.2	1853	430	0.24
	0.4	1379	522	0.29
	0.6	1363	845	0.47
	0.8	-	-	-
T7**	0.2	2222	470	0.36
	0.4	1895	550	0.42
	0.6	1755	611	0.46
	0.8	1510	726	0.55
T8	0.2	2574	509	0.48
	0.4	2344	577	0.55
	0.6	2128	654	0.62
	0.8	1856	738	0.70
T9	0.2	3639	629	1.02
	0.4	3491	672	1.09
	0.6	3267	768	1.24
	0.8	3045	789	1.28
T10	0.2	3794	646	1.12
	0.4	3620	688	1.19
	0.6	3421	745	1.29
	0.8	3224	800	1.38

shaded speed tap- Gas heating airflow.

**(T1) (T2) and (T6)(T7) are part load only.