

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

Models: DHG1203LL, DHG1204LL, DHG1207LL

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2255	553	0.42
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3293	675	1.04
	0.4	3137	725	1.12
	0.6	3010	766	1.19
	0.8	2781	825	1.28
	1.0	2580	876	1.36
	1.2	2426	913	1.41
	1.4	2241	954	1.48
T3	0.2	3293	675	1.04
	0.4	3137	725	1.12
	0.6	3010	766	1.19
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4426	847	2.17
	0.4	4311	880	2.25
	0.6	4180	916	2.34
	0.8	4102	944	2.42
	1.0	3957	982	2.51
	1.2	3858	1013	2.59
	1.4	3742	1047	2.68
T5	0.2	4628	878	2.45
	0.4	4516	912	2.54
	0.6	4402	945	2.63
	0.8	4295	978	2.72
	1.0	4186	1011	2.82
	1.2	4076	1042	2.90
	1.4	3969	1073	2.99
T6**	0.2	1955	487	0.32
	0.4	1755	557	0.36
	0.6	1567	619	0.41
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	2628	581	0.62
	0.4	2464	636	0.68
	0.6	2300	691	0.74
	0.8	2136	745	0.80
	1.0	1972	800	0.86
	1.2	1807	855	0.92
	1.4	1643	910	0.97
T8	0.2	2691	588	0.65
	0.4	2523	641	0.71
	0.6	2376	696	0.77
	0.8	2017	782	0.86
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T9	0.2	3575	710	1.23
	0.4	3469	749	1.29
	0.6	3293	798	1.38
	0.8	3170	840	1.45
	1.0	3046	880	1.52
	1.2	2786	939	1.62
	1.4	2545	995	1.72
T10	0.2	3848	750	1.46
	0.4	3737	790	1.54
	0.6	3579	833	1.62
	0.8	3471	872	1.70
	1.0	3357	912	1.78
	1.2	3145	958	1.87
	1.4	2952	1009	1.97

shaded speed tap- Gas heating airflow.

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

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2267	492	0.37
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3464	626	0.97
	0.4	3294	683	1.06
	0.6	3139	730	1.13
	0.8	2859	807	1.25
	1.0	2544	884	1.37
	1.2	2387	920	1.42
	1.4	2208	963	1.49
T3	0.2	3464	626	0.97
	0.4	3294	683	1.06
	0.6	3139	730	1.13
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4671	773	1.98
	0.4	4596	820	2.10
	0.6	4420	854	2.19
	0.8	4250	894	2.29
	1.0	4119	928	2.38
	1.2	3987	960	2.46
	1.4	3873	1008	2.58
T5	0.2	4896	802	2.23
	0.4	4771	839	2.34
	0.6	4646	878	2.45
	0.8	4510	915	2.55
	1.0	4378	950	2.65
	1.2	4242	992	2.76
	1.4	4093	1035	2.88
T6**	0.2	2060	453	0.30
	0.4	1674	537	0.36
	0.6	1582	627	0.42
	0.8	1359	721	0.48
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	2741	534	0.57
	0.4	2519	599	0.64
	0.6	2296	665	0.71
	0.8	2074	731	0.78
	1.0	1852	797	0.85
	1.2	1629	863	0.92
	1.4	1407	929	1.00
T8	0.2	2834	538	0.59
	0.4	2651	599	0.66
	0.6	2405	806	0.89
	0.8	2128	748	0.83
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T9	0.2	3794	646	1.12
	0.4	3620	688	1.19
	0.6	3421	745	1.29
	0.8	3224	800	1.38
	1.0	3047	854	1.47
	1.2	2743	927	1.60
	1.4	2406	998	1.72
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	3752	817	1.59
	0.8	3588	820	1.60
	1.0	3437	871	1.70
	1.2	3191	941	1.83
	1.4	2911	970	1.89

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

Models: DHG1203WL, DHG1204WL, DHG1207WL

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2248	535	0.44	T1**	0.2	2312	493	0.40
	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	3814	761	1.35	T2**	0.2	3815	680	1.21
	0.4	3709	802	1.42		0.4	3705	721	1.28
	0.6	3534	839	1.49		0.6	3514	777	1.38
	0.8	3399	887	1.57		0.8	3367	823	1.46
	1.0	3265	919	1.63		1.0	3222	867	1.54
	1.2	3012	967	1.72		1.2	2937	938	1.66
	1.4	2779	1027	1.82		1.4	2670	1004	1.78
	1.6	2643	1042	1.85		1.6	2522	1040	1.84
	1.8	2509	1060	1.88		1.8	2375	1072	1.90
	2.0	2383	1120	1.99		2.0	2222	1107	1.96
T3	0.2	3814	761	1.35	T3	0.2	3815	680	1.21
	0.4	3709	802	1.42		0.4	3705	721	1.28
	0.6	3534	839	1.49		0.6	3514	777	1.38
	0.8	3399	887	1.57		0.8	3367	823	1.46
	1.0	3265	919	1.63		1.0	3222	867	1.54
	1.2	3012	967	1.72		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T4	0.2	4790	914	2.55	T4	0.2	4915	830	2.31
	0.4	4674	948	2.64		0.4	4789	872	2.43
	0.6	4565	982	2.74		0.6	4659	905	2.52
	0.8	4440	1013	2.82		0.8	4533	959	2.67
	1.0	4321	1046	2.91		1.0	4420	980	2.73
	1.2	4211	1076	3.00		1.2	4278	1050	2.93
	1.4	4094	1104	3.08		1.4	4139	1055	2.94
	1.6	3988	1135	3.16		1.6	4024	1145	3.19
	1.8	3884	1163	3.24		1.8	3892	1125	3.13
	2.0	3770	1192	3.32		2.0	3778	1150	3.20
T5	0.2	4976	948	2.83	T5	0.2	-	-	-
	0.4	4866	979	2.93		0.4	4972	891	2.66
	0.6	4763	1010	3.02		0.6	4843	925	2.76
	0.8	4634	1040	3.11		0.8	4720	964	2.88
	1.0	4520	1071	3.20		1.0	4607	1002	2.99
	1.2	4408	1099	3.28		1.2	4471	1036	3.09
	1.4	4288	1128	3.37		1.4	4338	1070	3.20
	1.6	4187	1157	3.46		1.6	4223	1105	3.30
	1.8	4078	1182	3.53		1.8	4095	1140	3.41
	2.0	3976	1214	3.63		2.0	3983	1170	3.50
T6**	0.2	2306	543	0.46	T6**	0.2	2376	500	0.42
	0.4	2069	595	0.50		0.4	2175	571	0.48
	0.6	1774	631	0.53		0.6	2024	657	0.56
	0.8	1416	649	0.55		0.8	1884	689	0.58
	1.0	-	-	-		1.0	-	-	-
	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.

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

Models: DHG1203WL, DHG1204WL, DHG1207WL

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	-	-	-
	0.4	-	-	-
	0.6	2830	761	1.05
	0.8	2693	809	1.12
	1.0	2457	864	1.19
	1.2	2219	921	1.27
	1.4	1937	970	1.34
	1.6	1778	1006	1.39
	1.8	1574	1055	1.45
	2.0	1365	1149	1.58
T8	0.2	3229	678	0.97
	0.4	3107	723	1.03
	0.6	2907	770	1.10
	0.8	2778	816	1.17
	1.0	2557	869	1.24
	1.2	2308	925	1.32
	1.4	2032	976	1.39
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T9	0.2	3706	750	1.34
	0.4	3596	786	1.40
	0.6	3413	835	1.49
	0.8	3273	874	1.56
	1.0	3132	913	1.63
	1.2	2874	973	1.74
	1.4	2641	1027	1.83
	1.6	2501	1063	1.90
	1.8	2366	1097	1.96
	2.0	2226	1129	2.02
T10	0.2	-	-	-
	0.4	3836	832	1.68
	0.6	3714	873	1.77
	0.8	3576	905	1.83
	1.0	3432	948	1.92
	1.2	3323	986	2.00
	1.4	3177	1020	2.06
	1.6	2956	1075	2.18
	1.8	2690	1127	2.28
	2.0	2560	1156	2.34

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	-	-	-
	0.4	-	-	-
	0.6	-	-	-
	0.8	2759	766	1.06
	1.0	2540	834	1.15
	1.2	2250	898	1.24
	1.4	1983	958	1.32
	1.6	1840	1013	1.40
	1.8	1627	1073	1.48
	2.0	1413	1132	1.56
T8	0.2	3335	613	0.87
	0.4	3188	668	0.95
	0.6	3021	720	1.03
	0.8	2855	770	1.10
	1.0	2641	836	1.19
	1.2	2345	902	1.29
	1.4	2073	963	1.38
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T9	0.2	3819	670	1.20
	0.4	3711	712	1.27
	0.6	3519	770	1.38
	0.8	3377	821	1.47
	1.0	3230	870	1.55
	1.2	2945	944	1.69
	1.4	2687	1015	1.81
	1.6	2525	1055	1.88
	1.8	2361	1089	1.94
	2.0	2232	1128	2.01
T10	0.2	-	-	-
	0.4	-	-	-
	0.6	3841	805	1.63
	0.8	3710	845	1.71
	1.0	3546	895	1.81
	1.2	3410	941	1.91
	1.4	3285	980	1.98
	1.6	3028	1045	2.12
	1.8	2732	1110	2.25
	2.0	2549	1152	2.33

shaded speed tap- Gas heating airflow.

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

10 Ton • 180 MBH Gas Heat Exchanger • Standard Static Direct Drive

Models: DHG1203DM, DHG1204DM, DHG1207DM

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2184	520	0.43
	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	792	0.94
T3	0.2	3669	734	1.36
	0.4	3556	775	1.44
	0.6	3428	816	1.52
	0.8	3274	859	1.60
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	1938	485	0.31
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2621	582	0.62
	0.4	2465	637	0.68
	0.6	2300	690	0.74
	0.8	2136	745	0.80
T8	0.2	2731	593	0.67
	0.4	2564	646	0.73
	0.6	-	-	-
	0.8	-	-	-
T9	0.2	3555	708	1.21
	0.4	3428	749	1.28
	0.6	3275	796	1.36
	0.8	3145	838	1.43
T10	0.2	4200	800	1.82
	0.4	4081	842	1.91
	0.6	3956	882	2.01
	0.8	3855	919	2.09

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2286	486	0.41
	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	3874	673	1.25
	0.4	3699	713	1.32
	0.6	3560	769	1.43
	0.8	3438	820	1.52
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	2042	451	0.30
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2751	534	0.57
	0.4	2525	595	0.64
	0.6	2291	668	0.71
	0.8	2074	731	0.78
T8	0.2	2876	543	0.61
	0.4	2699	602	0.68
	0.6	2450	657	0.74
	0.8	-	-	-
T9	0.2	3765	643	1.10
	0.4	3610	684	1.17
	0.6	3402	681	1.16
	0.8	3195	797	1.36
T10	0.2	4468	726	1.65
	0.4	4258	766	1.74
	0.6	4175	811	1.84
	0.8	4056	851	1.93

shaded speed tap- Gas heating airflow.

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

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

Models: DHG1203LM, DHG1204LM, DHG1207LM

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2184	520	0.43
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3293	675	1.04
	0.4	3137	725	1.12
	0.6	3010	766	1.19
	0.8	2781	825	1.28
	1.0	2580	876	1.36
	1.2	2426	913	1.41
	1.4	2241	954	1.48
T3	0.2	3669	734	1.36
	0.4	3556	775	1.44
	0.6	3428	816	1.52
	0.8	3274	859	1.60
	1.0	3171	892	1.66
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4426	847	2.17
	0.4	4311	880	2.25
	0.6	4180	916	2.34
	0.8	4102	944	2.42
	1.0	3957	982	2.51
	1.2	3858	1013	2.59
	1.4	3742	1047	2.68
T5	0.2	4628	878	2.45
	0.4	4516	912	2.54
	0.6	4402	945	2.63
	0.8	4295	978	2.72
	1.0	4186	1011	2.82
	1.2	4076	1042	2.90
	1.4	3969	1073	2.99
T6**	0.2	2516	564	0.56
	0.4	2340	621	0.62
	0.6	2188	677	0.67
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	3329	682	1.08
	0.4	3186	728	1.15
	0.6	3056	770	1.22
	0.8	2852	823	1.30
	1.0	2679	876	1.38
	1.2	2500	911	1.44
	1.4	2290	959	1.51
T8	0.2	4018	786	1.70
	0.4	3911	823	1.78
	0.6	3776	862	1.87
	0.8	3674	899	1.95
	1.0	3529	973	2.1
	1.2	3391	975	2.11
	1.4	3222	1014	2.20
T9	0.2	4343	835	2.07
	0.4	4237	869	2.16
	0.6	4109	905	2.25
	0.8	4022	938	2.33
	1.0	3530	973	2.41
	1.2	3771	1008	2.50
	1.4	3639	1038	2.57
T10	0.2	4628	878	2.45
	0.4	4516	912	2.54
	0.6	4402	945	2.63
	0.8	4295	978	2.72
	1.0	4186	1011	2.82
	1.2	4076	1042	2.90
	1.4	3969	1073	2.99

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2286	486	0.41
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3464	626	0.97
	0.4	3294	683	1.06
	0.6	3139	730	1.13
	0.8	2859	807	1.25
	1.0	2544	884	1.37
	1.2	2387	920	1.42
	1.4	2208	963	1.49
T3	0.2	3874	673	1.25
	0.4	3699	713	1.32
	0.6	3560	769	1.43
	0.8	3438	820	1.52
	1.0	3243	870	1.62
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4671	773	1.98
	0.4	4596	820	2.10
	0.6	4420	854	2.19
	0.8	4250	894	2.29
	1.0	4119	928	2.38
	1.2	3987	960	2.46
	1.4	3873	1008	2.58
T5	0.2	4896	802	2.23
	0.4	4771	839	2.34
	0.6	4646	878	2.45
	0.8	4510	915	2.55
	1.0	4378	950	2.65
	1.2	4242	992	2.76
	1.4	4093	1035	2.88
T6**	0.2	2648	517	0.51
	0.4	2434	583	0.58
	0.6	2208	647	0.64
	0.8	1933	741	0.74
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	3582	622	0.98
	0.4	3436	666	1.05
	0.6	3206	812	1.28
	0.8	2978	785	1.24
	1.0	2769	842	1.33
	1.2	2454	913	1.44
	1.4	2144	957	1.51
T8	0.2	4359	712	1.54
	0.4	4170	749	1.62
	0.6	4044	821	1.78
	0.8	3910	842	1.82
	1.0	3732	890	1.93
	1.2	3574	945	2.0
	1.4	3379	977	2.1
T9	0.2	4707	754	1.87
	0.4	4534	792	1.97
	0.6	4425	828	2.05
	0.8	4306	877	2.18
	1.0	4102	919	2.28
	1.2	4026	954	2.37
	1.4	3925	995	2.47
T10	0.2	5018	794	2.21
	0.4	4884	834	2.32
	0.6	4750	875	2.44
	0.8	4613	912	2.54
	1.0	4481	950	2.65
	1.2	4339	990	2.76
	1.4	4187	1030	2.87

shaded speed tap- Gas heating airflow.

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

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

Models: DHG1203WM, DHG1204WM, DHG1207WM

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2248	535	0.44	T1**	0.2	2312	493	0.40
	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	3814	761	1.35	T2**	0.2	3815	680	1.21
	0.4	3709	802	1.42		0.4	3705	721	1.28
	0.6	3534	839	1.49		0.6	3514	777	1.38
	0.8	3399	887	1.57		0.8	3367	823	1.46
	1.0	3265	919	1.63		1.0	3222	867	1.54
	1.2	3012	967	1.72		1.2	2937	938	1.66
	1.4	2779	1027	1.82		1.4	2670	1004	1.78
	1.6	2643	1042	1.85		1.6	2522	1040	1.84
	1.8	2509	1060	1.88		1.8	2375	1072	1.90
	2.0	2383	1120	1.99		2.0	2222	1107	1.96
T3	0.2	3814	761	1.35	T3	0.2	3815	680	1.21
	0.4	3709	802	1.42		0.4	3705	721	1.28
	0.6	3534	839	1.49		0.6	3514	777	1.38
	0.8	3399	887	1.57		0.8	3367	823	1.46
	1.0	3265	919	1.63		1.0	3222	867	1.54
	1.2	3012	967	1.72		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	-	-	-		1.6	-	-	-
	1.8	-	-	-		1.8	-	-	-
	2.0	-	-	-		2.0	-	-	-
T4	0.2	4790	914	2.55	T4	0.2	4915	830	2.31
	0.4	4674	948	2.64		0.4	4789	872	2.43
	0.6	4565	982	2.74		0.6	4659	905	2.52
	0.8	4440	1013	2.82		0.8	4533	959	2.67
	1.0	4321	1046	2.91		1.0	4420	980	2.73
	1.2	4211	1076	3.00		1.2	4278	1050	2.93
	1.4	4094	1104	3.08		1.4	4139	1055	2.94
	1.6	3988	1135	3.16		1.6	4024	1145	3.19
	1.8	3884	1163	3.24		1.8	3892	1125	3.13
	2.0	3770	1192	3.32		2.0	3778	1150	3.20
T5	0.2	4976	948	2.83	T5	0.2	-	-	-
	0.4	4866	979	2.93		0.4	4972	891	2.66
	0.6	4763	1010	3.02		0.6	4843	925	2.76
	0.8	4634	1040	3.11		0.8	4720	964	2.88
	1.0	4520	1071	3.20		1.0	4607	1002	2.99
	1.2	4408	1099	3.28		1.2	4471	1036	3.09
	1.4	4288	1128	3.37		1.4	4338	1070	3.20
	1.6	4187	1157	3.46		1.6	4223	1105	3.30
	1.8	4078	1182	3.53		1.8	4095	1140	3.41
	2.0	3976	1214	3.63		2.0	3983	1170	3.50
T6**	0.2	3493	718	1.16	T6**	0.2	3603	644	1.04
	0.4	3374	758	1.23		0.4	3478	693	1.12
	0.6	3189	805	1.30		0.6	3301	750	1.21
	0.8	3053	847	1.37		0.8	3171	791	1.28
	1.0	2899	890	1.44		1.0	2993	853	1.38
	1.2	2628	949	1.54		1.2	2691	919	1.49
	1.4	2393	1001	1.62		1.4	2418	988	1.60
	1.6	2242	1050	1.70		1.6	2278	1035	1.68
	1.8	2059	1094	1.77		1.8	2123	1070	1.73
	2.0	1897	1131	1.83		2.0	1933	1128	1.83

shaded speed tap- Gas heating airflow.

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

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

Models: DHG1203WM, DHG1204WM, DHG1207WM

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	4026	791	1.57	T7**	0.2	-	-	-
	0.4	3913	831	1.65		0.4	3920	745	1.48
	0.6	3757	870	1.73		0.6	3770	792	1.57
	0.8	3628	912	1.81		0.8	3640	844	1.68
	1.0	3496	946	1.88		1.0	3485	889	1.77
	1.2	3294	988	1.96		1.2	3319	948	1.88
	1.4	3104	1037	2.06		1.4	3206	1000	1.99
	1.6	2975	1060	2.11		1.6	2907	1053	2.09
	1.8	2855	1083	2.15		1.8	2667	1104	2.19
T8	2.0	2725	1130	2.25	T8	2.0	2502	1138	2.26
	0.2	4384	845	1.99		0.2	4497	759	1.79
	0.4	4265	884	2.08		0.4	4356	804	1.89
	0.6	4134	922	2.17		0.6	4237	845	1.99
	0.8	4010	958	2.26		0.8	4115	889	2.09
	1.0	3884	992	2.34		1.0	3977	930	2.19
	1.2	3744	1027	2.42		1.2	3878	975	2.30
	1.4	3604	1062	2.50		1.4	3717	1015	2.39
	1.6	3486	1092	2.57		1.6	3536	1071	2.52
T9	1.8	3381	1121	2.64	T9	1.8	3290	1117	2.63
	2.0	3252	1154	2.72		2.0	3024	1165	2.74
	0.2	4973	947	3.02		0.2	5130	839	2.60
	0.4	4862	978	3.12		0.4	5013	884	2.74
	0.6	4760	1010	3.22		0.6	4877	916	2.84
	0.8	4629	1039	3.31		0.8	4774	956	2.96
	1.0	4509	1067	3.40		1.0	4665	991	3.07
	1.2	4402	1098	3.50		1.2	4527	1030	3.19
	1.4	4287	1128	3.60		1.4	4462	1073	3.33
T10	1.6	4181	1156	3.69	T10	1.6	4301	1108	3.43
	1.8	4069	1184	3.78		1.8	4187	1154	3.58
	2.0	3972	1214	3.87		2.0	4105	1128	3.50
	0.2	-	-	-		0.2	-	-	-
	0.4	5379	1069	4.11		0.4	-	-	-
	0.6	5276	1093	4.20		0.6	-	-	-
	0.8	5157	1107	4.26		0.8	5281	1019	3.92
	1.0	5049	1140	4.38		1.0	5155	1049	4.03
	1.2	4938	1164	4.47		1.2	5040	1083	4.16
	1.4	4824	1190	4.57		1.4	4940	1117	4.29
	1.6	4720	1219	4.68		1.6	4800	1148	4.41
	1.8	4609	1246	4.79		1.8	4678	1188	4.57
	2.0	4509	1273	4.89		2.0	4557	1209	4.65

shaded speed tap- Gas heating airflow.

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

10 Ton • 240 MBH Gas Heat Exchanger • Standard Static Direct Drive

Models: DHG1203DH, DHG1204DH, DHG1207DH

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2184	520	0.43
	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	792	0.94
T3	0.2	3669	734	1.36
	0.4	3556	775	1.44
	0.6	3428	816	1.52
	0.8	3274	859	1.60
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	2223	524	0.43
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	3023	634	0.84
	0.4	2870	681	0.90
	0.6	2725	733	0.97
	0.8	2486	795	1.05
T8	0.2	3720	732	1.35
	0.4	3602	772	1.42
	0.6	3446	817	1.50
	0.8	3331	857	1.58
T9	0.2	3979	769	1.59
	0.4	3875	809	1.67
	0.6	3717	850	1.76
	0.8	3611	890	1.84
T10	0.2	4200	800	1.82
	0.4	4081	842	1.91
	0.6	3956	882	2.01
	0.8	3855	919	2.09

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2286	486	0.41
	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	2317	733	0.87
T3	0.2	3874	673	1.25
	0.4	3699	713	1.32
	0.6	3560	769	1.43
	0.8	3438	820	1.52
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	2340	483	0.40
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	3187	577	0.76
	0.4	3038	629	0.83
	0.6	2783	664	0.88
	0.8	2519	764	1.01
T8	0.2	3947	664	1.22
	0.4	3781	703	1.29
	0.6	3599	816	1.50
	0.8	3416	1002	1.84
T9	0.2	4237	698	1.44
	0.4	4053	734	1.52
	0.6	3912	819	1.69
	0.8	3765	831	1.72
T10	0.2	4468	726	1.65
	0.4	4258	766	1.74
	0.6	4175	811	1.84
	0.8	4056	851	1.93

shaded speed tap- Gas heating airflow.

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

10 Ton • 240 MBH Gas Heat Exchanger • Medium Static Direct Drive

Models: DHG1203LH, DHG1204LH, DHG1207LH

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2184	520	0.43
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3293	675	1.04
	0.4	3137	725	1.12
	0.6	3010	766	1.19
	0.8	2781	825	1.28
	1.0	2580	876	1.36
	1.2	2426	913	1.41
	1.4	2241	954	1.48
T3	0.2	3669	734	1.36
	0.4	3556	775	1.44
	0.6	3428	816	1.52
	0.8	3274	859	1.60
	1.0	3171	892	1.66
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4426	847	2.17
	0.4	4311	880	2.25
	0.6	4180	916	2.34
	0.8	4102	944	2.42
	1.0	3957	982	2.51
	1.2	3858	1013	2.59
	1.4	3742	1047	2.68
T5	0.2	4628	878	2.45
	0.4	4516	912	2.54
	0.6	4402	945	2.63
	0.8	4295	978	2.72
	1.0	4186	1011	2.82
	1.2	4076	1042	2.90
	1.4	3969	1073	2.99
T6**	0.2	2827	607	0.73
	0.4	2665	658	0.79
	0.6	2520	711	0.85
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	3558	709	1.21
	0.4	3431	750	1.28
	0.6	3279	796	1.36
	0.8	3149	839	1.43
	1.0	3016	880	1.50
	1.2	2761	934	1.60
	1.4	2527	991	1.69
T8	0.2	4151	794	1.77
	0.4	4057	834	1.86
	0.6	3904	874	1.95
	0.8	3795	914	2.04
	1.0	3678	951	2.1
	1.2	3551	984	2.19
	1.4	3421	1024	2.28
T9	0.2	4414	832	2.11
	0.4	4338	877	2.20
	0.6	4206	912	2.29
	0.8	4092	952	2.39
	1.0	3969	988	2.48
	1.2	3895	1012	2.54
	1.4	3803	1044	2.62
T10	0.2	4726	877	2.44
	0.4	4606	914	2.55
	0.6	4488	948	2.64
	0.8	4382	980	2.73
	1.0	4264	1017	2.83
	1.2	4158	1046	2.91
	1.4	4051	1080	3.01

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2286	486	0.41
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3464	626	0.97
	0.4	3294	683	1.06
	0.6	3139	730	1.13
	0.8	2859	807	1.25
	1.0	2544	884	1.37
	1.2	2387	920	1.42
	1.4	2208	963	1.49
T3	0.2	3874	673	1.25
	0.4	3699	713	1.32
	0.6	3560	769	1.43
	0.8	3438	820	1.52
	1.0	3243	870	1.62
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4671	773	1.98
	0.4	4596	820	2.10
	0.6	4420	854	2.19
	0.8	4250	894	2.29
	1.0	4119	928	2.38
	1.2	3987	960	2.46
	1.4	3873	1008	2.58
T5	0.2	4896	802	2.23
	0.4	4771	839	2.34
	0.6	4646	878	2.45
	0.8	4510	915	2.55
	1.0	4378	950	2.65
	1.2	4242	992	2.76
	1.4	4093	1035	2.88
T6**	0.2	2978	554	0.66
	0.4	2813	611	0.73
	0.6	2559	649	0.81
	0.8	2285	754	0.90
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	3768	643	1.10
	0.4	3613	684	1.17
	0.6	3406	701	1.20
	0.8	3199	797	1.36
	1.0	3035	852	1.46
	1.2	2723	928	1.59
	1.4	2396	962	1.64
T8	0.2	4433	721	1.61
	0.4	4243	757	1.69
	0.6	4125	822	1.83
	0.8	3997	849	1.89
	1.0	3809	896	2.00
	1.2	3675	946	2.1
	1.4	3505	980	2.2
T9	0.2	4741	758	1.91
	0.4	4572	797	2.00
	0.6	4461	828	2.08
	0.8	4341	881	2.21
	1.0	4140	922	2.32
	1.2	4065	956	2.40
	1.4	3966	998	2.51
T10	0.2	5018	794	2.21
	0.4	4884	834	2.32
	0.6	4750	875	2.44
	0.8	4613	912	2.54
	1.0	4481	950	2.65
	1.2	4339	990	2.76
	1.4	4187	1030	2.87

shaded speed tap- Gas heating airflow.

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

10 Ton • 240 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG1203WH, DHG1204WH, DHG1207WH

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2248	535	0.44
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T2**	0.2	3814	761	1.35
	0.4	3709	802	1.42
	0.6	3534	839	1.49
	0.8	3399	887	1.57
	1.0	3265	919	1.63
	1.2	3012	967	1.72
	1.4	2779	1027	1.82
	1.6	2643	1042	1.85
	1.8	2509	1060	1.88
	2.0	2383	1120	1.99
T3	0.2	3814	761	1.35
	0.4	3709	802	1.42
	0.6	3534	839	1.49
	0.8	3399	887	1.57
	1.0	3265	919	1.63
	1.2	3012	967	1.72
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T4	0.2	4790	914	2.55
	0.4	4674	948	2.64
	0.6	4565	982	2.74
	0.8	4440	1013	2.82
	1.0	4321	1046	2.91
	1.2	4211	1076	3.00
	1.4	4094	1104	3.08
	1.6	3988	1135	3.16
	1.8	3884	1163	3.24
	2.0	3770	1192	3.32
T5	0.2	4976	948	2.83
	0.4	4866	979	2.93
	0.6	4763	1010	3.02
	0.8	4634	1040	3.11
	1.0	4520	1071	3.20
	1.2	4408	1099	3.28
	1.4	4288	1128	3.37
	1.6	4187	1157	3.46
	1.8	4078	1182	3.53
	2.0	3976	1214	3.63
T6**	0.2	3158	668	0.92
	0.4	3033	713	0.98
	0.6	2830	761	1.05
	0.8	2693	809	1.12
	1.0	2457	864	1.19
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2312	493	0.40
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T2**	0.2	3815	680	1.21
	0.4	3705	721	1.28
	0.6	3514	777	1.38
	0.8	3367	823	1.46
	1.0	3222	867	1.54
	1.2	2937	938	1.66
	1.4	2670	1004	1.78
	1.6	2522	1040	1.84
	1.8	2375	1072	1.90
	2.0	2222	1107	1.96
T3	0.2	3815	680	1.21
	0.4	3705	721	1.28
	0.6	3514	777	1.38
	0.8	3367	823	1.46
	1.0	3222	867	1.54
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T4	0.2	4915	830	2.31
	0.4	4789	872	2.43
	0.6	4659	905	2.52
	0.8	4533	959	2.67
	1.0	4420	980	2.73
	1.2	4278	1050	2.93
	1.4	4139	1055	2.94
	1.6	4024	1145	3.19
	1.8	3892	1125	3.13
	2.0	3778	1150	3.20
T5	0.2	-	-	-
	0.4	4972	891	2.66
	0.6	4843	925	2.76
	0.8	4720	964	2.88
	1.0	4607	1002	2.99
	1.2	4471	1036	3.09
	1.4	4338	1070	3.20
	1.6	4223	1105	3.30
	1.8	4095	1140	3.41
	2.0	3983	1170	3.50
T6**	0.2	3265	605	0.83
	0.4	3112	661	0.91
	0.6	2944	713	0.98
	0.8	2759	766	1.06
	1.0	2540	834	1.15
	1.2	2250	898	1.24
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-

shaded speed tap- Gas heating airflow.

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

10 Ton • 240 MBH Gas Heat Exchanger • High Static Direct Drive

Models: DHG1203WH, DHG1204WH, DHG1207WH

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	3926	777	1.46	T7**	0.2	3932	685	1.29
	0.4	3816	817	1.54		0.4	3813	730	1.38
	0.6	3651	855	1.61		0.6	3645	782	1.47
	0.8	3520	900	1.70		0.8	3511	829	1.56
	1.0	3387	933	1.76		1.0	3357	879	1.66
	1.2	3162	978	1.84		1.2	3137	941	1.77
	1.4	2953	1032	1.95		1.4	2982	998	1.88
	1.6	2820	1051	1.98		1.6	2729	1048	1.98
	1.8	2694	1072	2.02		1.8	2521	1095	2.07
	2.0	2566	1125	2.12		2.0	2372	1127	2.13
T8	0.2	4420	851	2.04	T8	0.2	4542	765	1.83
	0.4	4301	890	2.13		0.4	4402	809	1.94
	0.6	4173	927	2.22		0.6	4283	851	2.04
	0.8	4049	963	2.30		0.8	4162	893	2.14
	1.0	3923	997	2.39		1.0	4027	934	2.24
	1.2	3788	1032	2.47		1.2	3927	977	2.34
	1.4	3652	1066	2.55		1.4	3761	1017	2.43
	1.6	3535	1096	2.62		1.6	3596	1073	2.57
	1.8	3430	1125	2.69		1.8	3376	1110	2.66
	2.0	3302	1157	2.77		2.0	3089	1165	2.79
T9	0.2	4973	947	3.02	T9	0.2	5135	840	2.62
	0.4	4862	978	3.12		0.4	5018	884	2.76
	0.6	4760	1010	3.22		0.6	4882	916	2.86
	0.8	4629	1039	3.31		0.8	4780	957	2.99
	1.0	4509	1067	3.40		1.0	4670	992	3.09
	1.2	4402	1098	3.50		1.2	4535	1031	3.22
	1.4	4287	1128	3.60		1.4	4464	1075	3.35
	1.6	4181	1156	3.69		1.6	4305	1109	3.46
	1.8	4069	1184	3.78		1.8	4188	1154	3.60
	2.0	3972	1214	3.87		2.0	4102	1128	3.52
T10	0.2	5486	1024	3.94	T10	0.2	5656	926	3.56
	0.4	5379	1069	4.11		0.4	5524	956	3.67
	0.6	5276	1093	4.20		0.6	5386	985	3.78
	0.8	5157	1107	4.26		0.8	5281	1019	3.92
	1.0	5049	1140	4.38		1.0	5155	1049	4.03
	1.2	4938	1164	4.47		1.2	5040	1083	4.16
	1.4	4824	1190	4.57		1.4	4940	1117	4.29
	1.6	4720	1219	4.68		1.6	4800	1148	4.41
	1.8	4609	1246	4.79		1.8	4678	1188	4.57
	2.0	4509	1273	4.89		2.0	4557	1209	4.65

shaded speed tap- Gas heating airflow.

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

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

Models: DHG1503DL, DHG1504DL, DHG1507DL

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2377	559	0.52
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	3178	662	0.93
	0.4	3007	705	0.99
	0.6	2856	751	1.05
	0.8	2533	822	1.16
T3	0.2	3944	784	1.59
	0.4	3783	823	1.67
	0.6	-	-	-
	0.8	-	-	-
T4	0.2	4435	842	2.08
	0.4	4287	886	2.19
	0.6	4153	922	2.28
	0.8	4025	952	2.36
T5	0.2	4719	897	2.50
	0.4	4587	929	2.59
	0.6	4458	962	2.68
	0.8	4329	993	2.77
T6**	0.2	1828	480	0.30
	0.4	1418	565	0.35
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2150	527	0.42
	0.4	1867	601	0.48
	0.6	1628	666	0.53
	0.8	1400	724	0.58
T8	0.2	2454	570	0.56
	0.4	2253	635	0.62
	0.6	2022	698	0.68
	0.8	-	-	-
T9	0.2	2634	596	0.64
	0.4	2464	655	0.71
	0.6	2245	716	0.77
	0.8	1963	785	0.85
T10	0.2	2801	625	0.74
	0.4	2646	676	0.81
	0.6	2488	730	0.87
	0.8	2145	805	0.96

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2478	525	0.49
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	3261	616	0.87
	0.4	3134	667	0.94
	0.6	3011	717	1.01
	0.8	2786	779	1.09
T3	0.2	4019	720	1.46
	0.4	3926	756	1.53
	0.6	3807	805	1.63
	0.8	-	-	-
T4	0.2	4484	786	1.95
	0.4	4364	830	2.05
	0.6	4287	863	2.14
	0.8	4194	899	2.23
T5	0.2	4777	830	2.31
	0.4	4680	865	2.41
	0.6	4581	901	2.51
	0.8	4485	934	2.60
T6**	0.2	1946	462	0.29
	0.4	1869	607	0.38
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2256	499	0.40
	0.4	1980	532	0.43
	0.6	1756	654	0.52
	0.8	1432	725	0.58
T8	0.2	2552	534	0.52
	0.4	2287	549	0.54
	0.6	2199	672	0.65
	0.8	1853	746	0.73
T9	0.2	2728	556	0.60
	0.4	2519	587	0.63
	0.6	2428	683	0.74
	0.8	2154	755	0.82
T10	0.2	2900	577	0.69
	0.4	2744	638	0.76
	0.6	2586	702	0.84
	0.8	2435	756	0.90

shaded speed tap- Gas heating airflow.

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

12.5 Ton • 130 MBH Gas Heat Exchanger • Medium Static Direct Drive

Models: DHG1503LL, DHG1504LL, DHG1507LL

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2377	559	0.52
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3655	740	1.32
	0.4	3495	782	1.40
	0.6	3361	820	1.46
	0.8	3231	857	1.53
	1.0	2967	915	1.63
	1.2	2685	969	1.73
	1.4	2550	1001	1.79
T3	0.2	3944	784	1.59
	0.4	3783	823	1.67
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4536	878	2.30
	0.4	4407	910	2.38
	0.6	4304	939	2.46
	0.8	4176	974	2.55
	1.0	4066	1004	2.63
	1.2	3946	1036	2.71
	1.4	3826	1067	2.79
T5	0.2	4719	897	2.50
	0.4	4587	929	2.59
	0.6	4458	962	2.68
	0.8	4329	993	2.77
	1.0	4211	1025	2.86
	1.2	4087	1057	2.94
	1.4	3975	1087	3.03
T6**	0.2	2072	515	0.39
	0.4	1763	592	0.45
	0.6	1524	658	0.50
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	2712	607	0.69
	0.4	2553	665	0.75
	0.6	2339	724	0.82
	0.8	2056	793	0.90
	1.0	1860	839	0.95
	1.2	1712	895	1.01
	1.4	1479	904	1.02
T8	0.2	2940	640	0.82
	0.4	2797	691	0.88
	0.6	2603	746	0.95
	0.8	2325	813	1.04
	1.0	2109	864	1.1
	1.2	1975	914	1.17
	1.4	1797	944	1.21
T9	0.2	3281	688	1.04
	0.4	3136	733	1.11
	0.6	2976	779	1.18
	0.8	2731	838	1.27
	1.0	2505	892	1.35
	1.2	2356	933	1.41
	1.4	2107	944	1.43
T10	0.2	3586	732	1.28
	0.4	3419	772	1.35
	0.6	3288	811	1.42
	0.8	3089	858	1.50
	1.0	2878	909	1.59
	1.2	2754	948	1.66
	1.4	2404	1009	1.77

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2478	525	0.49
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3743	682	1.22
	0.4	3661	715	1.28
	0.6	3519	772	1.38
	0.8	3457	814	1.45
	1.0	3294	858	1.53
	1.2	3051	924	1.65
	1.4	2667	995	1.78
T3	0.2	4019	720	1.46
	0.4	3926	756	1.53
	0.6	3807	805	1.63
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4609	807	2.11
	0.4	4517	843	2.21
	0.6	4424	882	2.31
	0.8	4323	915	2.40
	1.0	4216	951	2.49
	1.2	4115	989	2.59
	1.4	4010	1025	2.68
T5	0.2	4777	830	2.31
	0.4	4680	865	2.41
	0.6	4581	901	2.51
	0.8	4485	934	2.60
	1.0	4387	970	2.70
	1.2	4285	1005	2.80
	1.4	4184	1039	2.89
T6**	0.2	2181	490	0.37
	0.4	1930	540	0.41
	0.6	1632	649	0.49
	0.8	1355	719	0.54
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	2806	565	0.64
	0.4	2623	608	0.69
	0.6	2520	688	0.78
	0.8	2285	758	0.86
	1.0	2051	818	0.93
	1.2	1803	886	1.00
	1.4	1651	957	1.08
T8	0.2	3033	593	0.76
	0.4	2898	651	0.83
	0.6	2749	702	0.90
	0.8	2619	766	0.98
	1.0	2313	815	1.04
	1.2	2042	873	1.1
	1.4	1798	909	1.2
T9	0.2	3379	636	0.96
	0.4	3177	687	1.04
	0.6	3045	725	1.10
	0.8	2914	782	1.19
	1.0	2687	819	1.24
	1.2	2461	867	1.31
	1.4	2235	933	1.41
T10	0.2	3697	677	1.19
	0.4	3487	722	1.27
	0.6	3346	758	1.33
	0.8	3228	812	1.42
	1.0	3136	862	1.51
	1.2	2969	911	1.60
	1.4	2739	979	1.72

shaded speed tap- Gas heating airflow.

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

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

Models: DHG1503WL, DHG1504WL, DHG1507WL

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2511	639	0.63
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T2**	0.2	3737	894	1.97
	0.4	3699	919	2.03
	0.6	3604	952	2.10
	0.8	3476	990	2.18
	1.0	3276	1035	2.28
	1.2	3052	1082	2.38
	1.4	2890	1120	2.47
	1.6	2738	1154	2.54
	1.8	2584	1186	2.61
	2.0	2499	1207	2.66
T3	0.2	3953	863	1.80
	0.4	3837	903	1.88
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T4	0.2	4964	1024	3.47
	0.4	4909	1046	3.55
	0.6	4808	1079	3.66
	0.8	4764	1096	3.72
	1.0	4626	1123	3.81
	1.2	4507	1167	3.96
	1.4	4409	1207	4.10
	1.6	4137	1257	4.26
	1.8	3878	1311	4.45
	2.0	3835	1332	4.52
T5	0.2	5128	1078	3.88
	0.4	5061	1102	3.96
	0.6	4965	1131	4.07
	0.8	4899	1154	4.15
	1.0	4779	1182	4.25
	1.2	4668	1214	4.37
	1.4	4583	1242	4.47
	1.6	4367	1283	4.61
	1.8	4137	1330	4.78
	2.0	4015	1356	4.88
T6**	0.2	2308	613	0.61
	0.4	2028	682	0.68
	0.6	1744	739	0.73
	0.8	1619	784	0.78
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2735	543	0.54
	0.4	2600	606	0.60
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T2**	0.2	4297	761	1.68
	0.4	4168	801	1.76
	0.6	4081	844	1.86
	0.8	4030	856	1.89
	1.0	3939	926	2.04
	1.2	3789	966	2.13
	1.4	3553	1033	2.27
	1.6	3290	1090	2.40
	1.8	3097	1158	2.55
	2.0	2906	1192	2.63
T3	0.2	4165	735	1.53
	0.4	4089	772	1.61
	0.6	3985	824	1.72
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-
T4	0.2	5300	888	3.01
	0.4	5215	918	3.12
	0.6	5121	951	3.23
	0.8	5044	979	3.32
	1.0	4957	1015	3.44
	1.2	4861	1040	3.53
	1.4	4769	1082	3.67
	1.6	4665	1099	3.73
	1.8	4563	1150	3.90
	2.0	4455	1181	4.01
T5	0.2	5478	900	3.05
	0.4	5390	936	3.17
	0.6	5309	971	3.29
	0.8	5216	1003	3.40
	1.0	5127	1036	3.52
	1.2	5046	1067	3.62
	1.4	4954	1096	3.72
	1.6	4872	1128	3.83
	1.8	4794	1156	3.92
	2.0	4681	1188	4.03
T6**	0.2	2644	545	0.54
	0.4	2483	620	0.61
	0.6	2299	683	0.68
	0.8	1979	773	0.77
	1.0	1758	817	0.81
	1.2	1558	877	0.87
	1.4	1448	920	0.91
	1.6	-	-	-
	1.8	-	-	-
	2.0	-	-	-

shaded speed tap- Gas heating airflow.

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

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

Models: DHG1503WL, DHG1504WL, DHG1507WL

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T7**	0.2	-	-	-	T7**	0.2	-	-	-
	0.4	2903	798	1.24		0.4	-	-	-
	0.6	2673	845	1.31		0.6	-	-	-
	0.8	2525	888	1.37		0.8	-	-	-
	1.0	2282	933	1.44		1.0	-	-	-
	1.2	1982	972	1.50		1.2	2716	928	1.44
	1.4	1803	1007	1.56		1.4	2495	989	1.53
	1.6	1671	1031	1.60		1.6	2298	1033	1.60
	1.8	1475	1065	1.65		1.8	2137	1076	1.66
	2.0	1335	1097	1.70		2.0	2078	1101	1.70
T8	0.2	3136	755	1.22	T8	0.2	3602	665	1.08
	0.4	3006	812	1.32		0.4	3491	707	1.15
	0.6	2794	858	1.39		0.6	3379	759	1.23
	0.8	2632	901	1.46		0.8	3205	818	1.33
	1.0	2409	945	1.53		1.0	3052	874	1.42
	1.2	2114	984	1.59		1.2	2852	932	1.51
	1.4	1963	1025	1.66		1.4	2617	995	1.61
	1.6	1854	1046	1.70		1.6	2401	1045	1.69
	1.8	-	-	-		1.8	2234	1092	1.77
	2.0	-	-	-		2.0	2196	1112	1.80
T9	0.2	3308	785	1.39	T9	0.2	3793	691	1.22
	0.4	3202	839	1.48		0.4	3667	731	1.29
	0.6	3028	883	1.56		0.6	3566	780	1.38
	0.8	2838	925	1.63		0.8	3441	827	1.46
	1.0	2655	967	1.71		1.0	3306	887	1.57
	1.2	2380	1007	1.78		1.2	3114	939	1.66
	1.4	2257	1056	1.86		1.4	2858	1006	1.78
	1.6	2164	1076	1.90		1.6	2608	1066	1.88
	1.8	1994	1113	1.97		1.8	2426	1123	1.98
	2.0	1914	1139	2.01		2.0	2404	1132	2.00
T10	0.2	3472	814	1.56	T10	0.2	-	-	-
	0.4	3384	865	1.65		0.4	3835	756	1.44
	0.6	3244	907	1.73		0.6	3741	801	1.53
	0.8	3032	948	1.81		0.8	3656	835	1.60
	1.0	2886	989	1.89		1.0	3536	900	1.72
	1.2	2639	1029	1.97		1.2	3355	947	1.81
	1.4	2515	1083	2.07		1.4	3092	1015	1.94
	1.6	2411	1105	2.11		1.6	2821	1080	2.06
	1.8	2255	1141	2.18		1.8	2627	1152	2.20
	2.0	2192	1165	2.22		2.0	2584	1152	2.20

shaded speed tap- Gas heating airflow.

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

12.5 Ton • 180 MBH Gas Heat Exchanger • Standard Static Direct Drive

Models: DHG1503DM, DHG1504DM, DHG1507DM

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2377	559	0.52
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	3178	662	0.93
	0.4	3007	705	0.99
	0.6	2856	751	1.05
	0.8	2533	822	1.16
T3	0.2	3944	784	1.59
	0.4	3783	823	1.67
	0.6	-	-	-
	0.8	-	-	-
T4	0.2	4435	842	2.08
	0.4	4287	886	2.19
	0.6	4153	922	2.28
	0.8	4025	952	2.36
T5	0.2	4719	897	2.50
	0.4	4587	929	2.59
	0.6	4458	962	2.68
	0.8	4329	993	2.77
T6**	0.2	2072	515	0.39
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2634	596	0.64
	0.4	2464	655	0.71
	0.6	2245	716	0.77
	0.8	1963	785	0.85
T8	0.2	3004	649	0.86
	0.4	2863	699	0.92
	0.6	2675	752	0.99
	0.8	-	-	-
T9	0.2	3250	684	1.02
	0.4	3106	729	1.09
	0.6	2943	776	1.16
	0.8	2694	836	1.25
T10	0.2	3474	714	1.19
	0.4	3314	759	1.27
	0.6	3178	799	1.33
	0.8	3035	841	1.40

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2478	525	0.49
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
T2**	0.2	3261	616	0.87
	0.4	3134	667	0.94
	0.6	3011	717	1.01
	0.8	2786	779	1.09
T3	0.2	4019	720	1.46
	0.4	3926	756	1.53
	0.6	3807	805	1.63
	0.8	-	-	-
T4	0.2	4484	786	1.95
	0.4	4364	830	2.05
	0.6	4287	863	2.14
	0.8	4194	899	2.23
T5	0.2	4777	830	2.31
	0.4	4680	865	2.41
	0.6	4581	901	2.51
	0.8	4485	934	2.60
T6**	0.2	2181	490	0.37
	0.4	1930	540	0.41
	0.6	-	-	-
	0.8	-	-	-
T7**	0.2	2728	556	0.60
	0.4	2519	587	0.63
	0.6	2428	683	0.74
	0.8	2154	755	0.82
T8	0.2	3097	601	0.79
	0.4	2961	712	0.94
	0.6	2776	707	0.93
	0.8	2632	763	1.01
T9	0.2	3347	632	0.94
	0.4	3147	684	1.02
	0.6	3015	723	1.08
	0.8	2882	780	1.16
T10	0.2	3605	663	1.10
	0.4	3377	708	1.18
	0.6	3240	746	1.24
	0.8	3121	801	1.34

shaded speed tap- Gas heating airflow.

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

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

Models: DHG1503LM, DHG1504LM, DHG1507LM

DOWN FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2377	559	0.52
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3655	740	1.32
	0.4	3495	782	1.40
	0.6	3361	820	1.46
	0.8	3231	857	1.53
	1.0	2967	915	1.63
	1.2	2685	969	1.73
	1.4	2550	1001	1.79
T3	0.2	3944	784	1.59
	0.4	3783	823	1.67
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4536	878	2.30
	0.4	4407	910	2.38
	0.6	4304	939	2.46
	0.8	4176	974	2.55
	1.0	4066	1004	2.63
	1.2	3946	1036	2.71
	1.4	3826	1067	2.79
T5	0.2	4719	897	2.50
	0.4	4587	929	2.59
	0.6	4458	962	2.68
	0.8	4329	993	2.77
	1.0	4211	1025	2.86
	1.2	4087	1057	2.94
	1.4	3975	1087	3.03
T6**	0.2	2379	559	0.52
	0.4	2161	626	0.58
	0.6	1927	690	0.64
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	3161	672	0.96
	0.4	2995	722	1.03
	0.6	2866	762	1.09
	0.8	2551	840	1.20
	1.0	2392	878	1.25
	1.2	2198	923	1.32
	1.4	2034	961	1.37
T8	0.2	3310	692	1.06
	0.4	3163	736	1.13
	0.6	3006	782	1.20
	0.8	2765	840	1.29
	1.0	2540	894	1.37
	1.2	-	-	-
	1.4	-	-	-
T9	0.2	3586	732	1.28
	0.4	3419	772	1.35
	0.6	3288	811	1.42
	0.8	3089	858	1.50
	1.0	2878	909	1.59
	1.2	2754	948	1.66
	1.4	-	-	-
T10	0.2	3834	767	1.51
	0.4	3647	805	1.59
	0.6	3528	839	1.65
	0.8	3369	876	1.73
	1.0	3183	923	1.82
	1.2	3149	962	1.90
	1.4	2667	1024	2.02

shaded speed tap- Gas heating airflow.

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

HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2478	525	0.49
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T2**	0.2	3743	682	1.22
	0.4	3661	715	1.28
	0.6	3519	772	1.38
	0.8	3457	814	1.45
	1.0	3294	858	1.53
	1.2	3051	924	1.65
	1.4	2667	995	1.78
T3	0.2	4019	720	1.46
	0.4	3926	756	1.53
	0.6	3807	805	1.63
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T4	0.2	4609	807	2.11
	0.4	4517	843	2.21
	0.6	4424	882	2.31
	0.8	4323	915	2.40
	1.0	4216	951	2.49
	1.2	4115	989	2.59
	1.4	4010	1025	2.68
T5	0.2	4777	830	2.31
	0.4	4680	865	2.41
	0.6	4581	901	2.51
	0.8	4485	934	2.60
	1.0	4387	970	2.70
	1.2	4285	1005	2.80
	1.4	4184	1039	2.89
T6**	0.2	2478	525	0.49
	0.4	2198	539	0.50
	0.6	2096	668	0.62
	0.8	-	-	-
	1.0	-	-	-
	1.2	-	-	-
	1.4	-	-	-
T7**	0.2	3256	621	0.89
	0.4	3060	673	0.96
	0.6	2927	713	1.02
	0.8	2787	773	1.10
	1.0	2516	807	1.15
	1.2	2205	837	1.20
	1.4	2046	919	1.31
T8	0.2	3409	640	0.98
	0.4	3206	690	1.06
	0.6	3073	727	1.12
	0.8	2943	785	1.21
	1.0	2731	823	1.26
	1.2	2519	873	1.3
	1.4	-	-	-
T9	0.2	3697	677	1.19
	0.4	3487	722	1.27
	0.6	3346	758	1.33
	0.8	3228	812	1.42
	1.0	3136	862	1.51
	1.2	2969	911	1.60
	1.4	2739	979	1.72
T10	0.2	3963	713	1.40
	0.4	3752	752	1.48
	0.6	3607	787	1.55
	0.8	3497	839	1.65
	1.0	3398	881	1.74
	1.2	3217	925	1.82
	1.4	3004	994	1.96

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

Models: DHG1503WM, DHG1504WM, DHG1507WM

DOWN FLOW					HORIZONTAL FLOW				
SPEED TAP	ESP	CFM	RPM	BHP	SPEED TAP	ESP	CFM	RPM	BHP
T1**	0.2	2511	639	0.63	T1**	0.2	2735	543	0.54
	0.4	-	-	-		0.4	2600	606	0.60
	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	3737	894	1.97	T2**	0.2	4297	761	1.68
	0.4	3699	919	2.03		0.4	4168	801	1.76
	0.6	3604	952	2.10		0.6	4081	844	1.86
	0.8	3476	990	2.18		0.8	4030	856	1.89
	1.0	3276	1035	2.28		1.0	3939	926	2.04
	1.2	3052	1082	2.38		1.2	3789	966	2.13
	1.4	2890	1120	2.47		1.4	3553	1033	2.27
	1.6	2738	1154	2.54		1.6	3290	1090	2.40
	1.8	2584	1186	2.61		1.8	3097	1158	2.55
	2.0	2499	1207	2.66		2.0	2906	1192	2.63
T3	0.2	3953	863	1.80	T3	0.2	4165	735	1.53
	0.4	3837	903	1.88		0.4	4089	772	1.61
	0.6	-	-	-		0.6	3985	824	1.72
	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	-	-	-
T4	0.2	4964	1024	3.47	T4	0.2	5300	888	3.01
	0.4	4909	1046	3.55		0.4	5215	918	3.12
	0.6	4808	1079	3.66		0.6	5121	951	3.23
	0.8	4764	1096	3.72		0.8	5044	979	3.32
	1.0	4626	1123	3.81		1.0	4957	1015	3.44
	1.2	4507	1167	3.96		1.2	4861	1040	3.53
	1.4	4409	1207	4.10		1.4	4769	1082	3.67
	1.6	4137	1257	4.26		1.6	4665	1099	3.73
	1.8	3878	1311	4.45		1.8	4563	1150	3.90
	2.0	3835	1332	4.52		2.0	4455	1181	4.01
T5	0.2	5128	1078	3.88	T5	0.2	5478	900	3.05
	0.4	5061	1102	3.96		0.4	5390	936	3.17
	0.6	4965	1131	4.07		0.6	5309	971	3.29
	0.8	4899	1154	4.15		0.8	5216	1003	3.40
	1.0	4779	1182	4.25		1.0	5127	1036	3.52
	1.2	4668	1214	4.37		1.2	5046	1067	3.62
	1.4	4583	1242	4.47		1.4	4954	1096	3.72
	1.6	4367	1283	4.61		1.6	4872	1128	3.83
	1.8	4137	1330	4.78		1.8	4794	1156	3.92
	2.0	4015	1356	4.88		2.0	4681	1188	4.03
T6**	0.2	2642	670	0.83	T6**	0.2	3038	593	0.73
	0.4	2424	734	0.91		0.4	2944	646	0.80
	0.6	2138	787	0.97		0.6	2790	708	0.87
	0.8	2032	831	1.03		0.8	2484	795	0.98
	1.0	-	-	-		1.0	2287	839	1.03
	1.2	-	-	-		1.2	2082	906	1.12
	1.4	-	-	-		1.4	1935	956	1.18
	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.