

APPENDIX A BLOWER PERFORMANCE DATA

8.5 TON

MODELS : DHG1023W,DHG1024W & DHG1027W WITH DDC CONTROL

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
1600										678	21	0.55	757	23	0.73
1800				557	21	0.42	635	23	0.57	702	25	0.62	778	27	0.82
2000	509	23	0.41	586	25	0.48	661	27	0.66	727	29	0.70	799	31	0.93
2200	541	26	0.48	615	28	0.55	688	30	0.76	752	32	0.79	820	35	1.04
2400	572	30	0.56	645	32	0.64	714	34	0.87	776	36	0.89	841	38	1.18
2600	604	34	0.66	674	36	0.73	740	38	1.00	801	40	1.01	862	42	1.33
2800	635	37	0.77	703	39	0.84	767	42	1.15	826	44	1.14	883	46	1.50
3000	667	41	0.91	733	43	0.97	793	45	1.33	850	47	1.28	904	50	1.69
3200	698	44	1.06	762	47	1.11	820	49	1.52	875	51	1.44	925	54	1.90
3400	730	48	1.25	791	50	1.28	846	53	1.75	900	55	1.63	946	57	2.15
3600	761	52	1.47	820	54	1.48	872	57	2.02	924	59	1.83	967	61	2.42
3800	793	55	1.72	850	58	1.70	899	60	2.32	949	62	2.07	988	65	2.73
4000	824	59	2.02	879	61	1.95	925	64	2.67	974	66	2.33	1009	69	3.08
4200	856	62	2.37	908	65	2.25	951	68	3.07	998	70	2.63	1030	73	3.47
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	834	25	0.79	799	28	1.04	872	30	1.08	945	33	1.29	1006	32	1.39
1800	853	29	0.88	822	32	1.14	894	34	1.17	965	37	1.40	1025	36	1.51
2000	873	33	0.97	845	35	1.27	916	38	1.26	986	40	1.52	1045	40	1.63
2200	892	37	1.07	868	39	1.40	938	41	1.37	1007	44	1.64	1064	44	1.77
2400	912	41	1.18	891	42	1.55	960	45	1.48	1028	47	1.78	1084	48	1.92
2600	932	45	1.31	914	46	1.71	982	49	1.61	1049	51	1.93	1103	52	2.08
2800	951	49	1.45	937	50	1.89	1004	52	1.74	1070	55	2.09	1122	57	2.25
3000	971	52	1.60	960	53	2.09	1026	56	1.88	1091	58	2.27	1142	61	2.44
3200	991	56	1.77	983	57	2.31	1048	60	2.04	1112	62	2.45	1161	65	2.64
3400	1010	60	1.95	1006	61	2.55	1070	63	2.21	1133	66	2.66	1180	69	2.86
3600	1030	64	2.16	1029	64	2.82	1092	67	2.39	1154	69	2.88	1200	73	3.10
3800	1049	68	2.39	1052	68	3.11	1114	70	2.59	1175	73	3.12			
4000	1069	72	2.64	1075	71	3.44	1136	74	2.81						
4200	1089	74	2.91	1098	74	3.80									

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										649	21	0.55	722	23	0.59
1800	436	20	0.33	521	21	0.41	597	23	0.46	670	25	0.62	740	27	0.65
2000	463	23	0.39	546	25	0.47	620	27	0.52	691	29	0.69	758	30	0.72
2200	491	27	0.46	571	28	0.54	642	30	0.59	711	32	0.78	777	34	0.80
2400	519	30	0.54	596	32	0.62	665	34	0.67	732	36	0.88	795	37	0.88
2600	547	34	0.63	621	35	0.72	688	37	0.75	753	39	1.00	814	41	0.97
2800	575	37	0.74	646	39	0.82	710	41	0.85	773	43	1.12	832	45	1.08
3000	602	40	0.87	671	42	0.95	733	44	0.96	794	46	1.26	851	48	1.19
3200	630	44	1.02	696	46	1.09	756	48	1.08	815	50	1.43	869	52	1.31
3400	658	47	1.20	721	49	1.25	778	51	1.21	836	54	1.61	888	56	1.45
3600	686	51	1.41	746	53	1.44	801	55	1.37	856	57	1.81	906	59	1.60
3800	714	54	1.65	771	56	1.66	823	58	1.54	877	61	2.04	925	63	1.77
4000	741	58	1.94	797	60	1.91	846	62	1.74	898	64	2.30	943	67	1.96
4200	769	61	2.27	822	63	2.19	869	65	1.96	918	68	2.60	962	70	2.17
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	787	25	0.76	830	28	0.92	908	31	1.24	950	33	1.27	978	36	1.59
1800	804	28	0.84	847	32	1.00	922	35	1.35	964	37	1.35	993	39	1.69
2000	820	32	0.93	864	35	1.08	936	38	1.46	978	40	1.43	1009	42	1.79
2200	837	36	1.02	881	39	1.17	950	42	1.58	992	44	1.52	1024	46	1.90
2400	854	40	1.13	898	42	1.27	964	45	1.71	1006	47	1.62	1039	49	2.02
2600	870	43	1.25	915	46	1.37	977	48	1.85	1020	51	1.72	1054	53	2.15
2800	887	47	1.38	932	49	1.49	991	52	2.01	1033	54	1.82	1069	56	2.28
3000	904	51	1.53	949	53	1.61	1005	55	2.17	1047	58	1.93	1084	60	2.42
3200	920	54	1.69	966	56	1.74	1019	59	2.36	1061	61	2.05	1099	63	2.57
3400	937	58	1.87	983	60	1.89	1033	62	2.55	1075	65	2.18	1115	67	2.73
3600	954	62	2.06	1000	63	2.05	1047	66	2.76	1089	68	2.32	1130	70	2.90
3800	971	65	2.28	1017	67	2.22	1060	69	2.99	1103	71	2.46	1145	74	3.08
4000	987	69	2.52	1034	70	2.40	1074	73	3.24	1116	74	2.61			
4200	1004	73	2.78	1051	74	2.60									

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.

APPENDIX A BLOWER PERFORMANCE DATA

10 TON

MODELS : DHG1203D, DHG1204D & DHG1207D WITH DDC CONTROL

STANDARD STATIC TO 2.4HP (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
2000				582	20	0.55	644	20	0.65	712	21	0.81	-	-	-
2200	533	21	0.43	610	24	0.62	671	25	0.73	737	26	0.91	-	-	-
2400	563	25	0.49	638	28	0.70	699	29	0.82	763	30	1.03	-	-	-
2600	593	29	0.55	666	32	0.79	726	33	0.93	789	35	1.16	-	-	-
2800	622	32	0.62	694	36	0.89	754	37	1.05	814	39	1.31	-	-	-
3000	652	36	0.70	723	40	1.00	781	42	1.18	840	44	1.47	-	-	-
3200	681	40	0.79	751	44	1.13	809	46	1.33	866	48	1.66	-	-	-
3400	711	44	0.89	779	48	1.27	836	50	1.50	891	52	1.87	-	-	-
3600	740	48	1.00	807	52	1.43	864	54	1.69	917	57	2.11	-	-	-
3800	770	52	1.13	835	56	1.61	891	59	1.90	943	61	2.38	-	-	-
4000	800	56	1.27	863	60	1.82	919	63	2.15				-	-	-
4200	829	60	1.44	892	63	2.05							-	-	-

Shaded area indicates air flow below 3000 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
2000							607	20	0.60	685	22	0.64	-	-	-
2200	473	19	0.42	552	21	0.48	628	24	0.68	704	26	0.71	-	-	-
2400	499	23	0.49	576	25	0.54	650	28	0.77	723	30	0.78	-	-	-
2600	525	27	0.56	600	29	0.61	671	32	0.86	742	34	0.87	-	-	-
2800	551	31	0.65	623	33	0.69	693	35	0.97	762	38	0.96	-	-	-
3000	578	35	0.74	647	37	0.77	714	39	1.10	781	42	1.06	-	-	-
3200	604	39	0.85	671	41	0.87	736	43	1.24	800	46	1.17	-	-	-
3400	630	43	0.98	695	45	0.98	757	47	1.40	819	50	1.29	-	-	-
3600	656	47	1.13	719	49	1.11	779	51	1.57	839	54	1.43	-	-	-
3800	682	51	1.30	743	53	1.25	800	55	1.78	858	58	1.58	-	-	-
4000	708	55	1.49	767	57	1.41	822	59	2.00	877	62	1.75	-	-	-
4200	734	59	1.72	791	61	1.59	843	63	2.26				-	-	-

Shaded area indicates air flow below 3000 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating. Valid motor operating range for DDC% setting is 20 - 90.

APPENDIX A BLOWER PERFORMANCE DATA

10 TON
MODELS : DHG1203L, DHG1204L & DHG1207L WITH DDC CONTROL
MEDIUM STATIC TO 3.5HP (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
1800													765	21	0.87
2000	504	17	0.38	582	20	0.55	644	20	0.65	712	21	0.81	788	25	0.97
2200	533	21	0.43	610	24	0.62	671	25	0.73	737	26	0.91	810	30	1.07
2400	563	25	0.49	638	28	0.70	699	29	0.82	763	30	1.03	833	34	1.18
2600	593	29	0.55	666	32	0.79	726	33	0.93	789	35	1.16	856	38	1.30
2800	622	32	0.62	694	36	0.89	754	37	1.05	814	39	1.31	878	42	1.44
3000	652	36	0.70	723	40	1.00	781	42	1.18	840	44	1.47	901	47	1.59
3200	681	40	0.79	751	44	1.13	809	46	1.33	866	48	1.66	923	51	1.76
3400	711	44	0.89	779	48	1.27	836	50	1.50	891	52	1.87	946	55	1.95
3600	740	48	1.00	807	52	1.43	864	54	1.69	917	57	2.11	969	59	2.15
3800	770	52	1.13	835	56	1.61	891	59	1.90	943	61	2.38	991	64	2.38
4000	800	56	1.27	863	60	1.82	919	63	2.15	968	66	2.68	1014	68	2.63
4200	829	60	1.44	892	64	2.05	946	67	2.42	994	70	3.02	1037	72	2.90
4400	859	64	1.62	920	68	2.31	974	72	2.73	1020	74	3.41	1059	74	3.21
4600	888	68	1.82	948	72	2.61	1001	74	3.08						
4800	918	71	2.06	976	74	2.94									
5000	947	74	2.32												
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	867	27	1.00	887	31	1.26	-	-	-	-	-	-	-	-	-
2000	885	31	1.09	906	35	1.37	-	-	-	-	-	-	-	-	-
2200	903	35	1.18	926	38	1.48	-	-	-	-	-	-	-	-	-
2400	921	39	1.28	945	42	1.61	-	-	-	-	-	-	-	-	-
2600	939	43	1.38	965	46	1.74	-	-	-	-	-	-	-	-	-
2800	956	47	1.50	985	50	1.89	-	-	-	-	-	-	-	-	-
3000	974	51	1.62	1004	54	2.04	-	-	-	-	-	-	-	-	-
3200	992	55	1.76	1024	58	2.21	-	-	-	-	-	-	-	-	-
3400	1010	59	1.90	1044	62	2.40	-	-	-	-	-	-	-	-	-
3600	1028	63	2.06	1063	66	2.60	-	-	-	-	-	-	-	-	-
3800	1046	67	2.23	1083	70	2.81	-	-	-	-	-	-	-	-	-
4000	1064	71	2.42	1103	73	3.05	-	-	-	-	-	-	-	-	-
4200	1082	74	2.62				-	-	-	-	-	-	-	-	-
4400							-	-	-	-	-	-	-	-	-
4600							-	-	-	-	-	-	-	-	-
4800							-	-	-	-	-	-	-	-	-
5000							-	-	-	-	-	-	-	-	-

Shaded area indicates air flow below 3000 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													740	21	0.85
2000	447	15	0.37	528	17	0.42	607	20	0.60	685	22	0.64	758	25	0.94
2200	473	19	0.42	552	21	0.48	628	24	0.68	704	26	0.71	775	29	1.04
2400	499	23	0.49	576	25	0.54	650	28	0.77	723	30	0.78	792	33	1.15
2600	525	27	0.56	600	29	0.61	671	32	0.86	742	34	0.87	809	37	1.27
2800	551	31	0.65	623	33	0.69	693	35	0.97	762	38	0.96	827	41	1.41
3000	578	35	0.74	647	37	0.77	714	39	1.10	781	42	1.06	844	45	1.56
3200	604	39	0.85	671	41	0.87	736	43	1.24	800	46	1.17	861	49	1.72
3400	630	43	0.98	695	45	0.98	757	47	1.40	819	50	1.29	879	53	1.90
3600	656	47	1.13	719	49	1.11	779	51	1.57	839	54	1.43	896	56	2.10
3800	682	51	1.30	743	53	1.25	801	55	1.78	858	58	1.58	913	60	2.32
4000	708	55	1.49	767	57	1.41	822	59	2.00	877	62	1.75	931	64	2.56
4200	734	59	1.72	791	61	1.59	844	63	2.26	896	66	1.93	948	68	2.83
4400	760	63	1.98	814	65	1.79	865	67	2.54	916	70	2.13	965	72	3.13
4600	786	67	2.28	838	69	2.02	887	71	2.87	935	74	2.36	982	74	3.46
4800	812	71	2.62	862	73	2.28	908	74	3.24						
5000	838	74	3.01												
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
1800	810	24	0.95	848	28	1.29	-	-	-	-	-	-	-	-	-
2000	825	28	1.02	863	32	1.40	-	-	-	-	-	-	-	-	-
2200	841	32	1.11	879	36	1.51	-	-	-	-	-	-	-	-	-
2400	856	36	1.20	895	40	1.64	-	-	-	-	-	-	-	-	-
2600	871	39	1.30	910	43	1.77	-	-	-	-	-	-	-	-	-
2800	886	43	1.41	926	47	1.92	-	-	-	-	-	-	-	-	-
3000	902	47	1.53	942	51	2.08	-	-	-	-	-	-	-	-	-
3200	917	51	1.66	957	55	2.26	-	-	-	-	-	-	-	-	-
3400	932	55	1.79	973	58	2.44	-	-	-	-	-	-	-	-	-
3600	948	59	1.94	989	62	2.65	-	-	-	-	-	-	-	-	-
3800	963	63	2.11	1004	66	2.87	-	-	-	-	-	-	-	-	-
4000	978	67	2.28	1020	70	3.11	-	-	-	-	-	-	-	-	-
4200	994	71	2.47	1036	74	3.37	-	-	-	-	-	-	-	-	-
4400	1009	74	2.68				-	-	-	-	-	-	-	-	-
4600							-	-	-	-	-	-	-	-	-
4800							-	-	-	-	-	-	-	-	-
5000							-	-	-	-	-	-	-	-	-

Shaded area indicates air flow below 3000 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating. Valid motor operating range for DDC% setting is 20 - 90.

APPENDIX A BLOWER PERFORMANCE DATA

10 TON

MODELS : DHG1203W, DHG1204W & DHG1207W WITH DDC CONTROL

MEDIUM STATIC TO 5.0 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															
2000	492	20	0.40	538	9	0.48	629	14	0.68	713	17	0.80	772	21	0.79
2200	522	23	0.46	569	13	0.54	657	19	0.76	738	22	0.91	796	25	0.87
2400	552	27	0.53	600	18	0.61	684	23	0.86	763	26	1.02	820	29	0.96
2600	583	30	0.61	631	22	0.69	712	27	0.97	787	30	1.15	844	34	1.06
2800	613	33	0.71	662	27	0.78	740	32	1.10	812	35	1.30	867	38	1.18
3000	643	37	0.81	693	32	0.87	768	36	1.23	837	39	1.47	891	42	1.30
3200	673	40	0.93	724	36	0.99	796	40	1.39	862	43	1.65	915	46	1.44
3400	704	44	1.07	755	41	1.11	823	45	1.57	886	48	1.86	938	51	1.59
3600	734	47	1.24	786	45	1.25	851	49	1.77	911	52	2.10	962	55	1.76
3800	764	51	1.42	817	50	1.41	879	53	2.00	936	56	2.37	986	59	1.94
4000	794	54	1.63	847	55	1.59	907	58	2.25	961	61	2.67	1009	63	2.14
4200	825	57	1.88	878	59	1.80	935	62	2.54	985	65	3.01	1033	68	2.37
4400	855	61	2.16	909	64	2.03	962	66	2.86	1010	69	3.40	1057	72	2.62
4600	885	64	2.49	940	68	2.28	990	71	3.22	1035	74	3.83	1080	76	2.89
4800	915	68	2.86	971	73	2.58	1018	75	3.64	1060	78	4.32	1104	80	3.20
5000	945	71	3.29	1002	78	2.90	1046	80	4.10	1084	82	4.87	1128	85	3.54
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	855	24	1.04	947	29	1.15	962	28	1.16	985	31	1.21	1056	33	1.42
2000	874	28	1.14	961	33	1.25	978	32	1.26	1003	34	1.31	1071	37	1.54
2200	892	32	1.26	976	37	1.35	995	36	1.36	1021	38	1.42	1085	41	1.66
2400	911	35	1.40	991	40	1.47	1012	40	1.47	1038	42	1.54	1100	45	1.80
2600	930	39	1.54	1006	44	1.59	1028	44	1.60	1056	46	1.67	1115	49	1.95
2800	949	43	1.71	1020	48	1.72	1045	48	1.73	1074	50	1.81	1130	52	2.12
3000	968	47	1.89	1035	51	1.86	1061	52	1.87	1092	54	1.96	1145	56	2.29
3200	987	51	2.09	1050	55	2.02	1078	56	2.03	1109	58	2.12	1160	60	2.48
3400	1005	55	2.30	1064	58	2.19	1095	60	2.20	1127	62	2.30	1175	64	2.69
3600	1024	59	2.55	1079	62	2.37	1111	63	2.38	1145	66	2.49	1190	68	2.91
3800	1043	63	2.81	1094	66	2.57	1128	67	2.58	1163	70	2.69	1205	72	3.16
4000	1062	67	3.11	1109	69	2.78	1145	71	2.79	1180	73	2.92	1220	75	3.42
4200	1081	70	3.44	1123	73	3.01	1161	75	3.03	1198	77	3.16	1235	79	3.70
4400	1100	74	3.80	1138	77	3.26	1178	79	3.28	1216	81	3.42	1250	83	4.01
4600	1118	78	4.20	1153	80	3.53	1194	83	3.55	1234	85	3.71	1264	87	4.35
4800	1137	82	4.64	1167	84	3.83	1211	87	3.85	1251	89	4.02	1279	90	4.71
5000	1156	86	5.13	1182	88	4.15	1228	90	4.17						

Shaded area indicates air flow below 3000 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										662	21	0.64	752	25	0.82
2000	445	18	0.33	509	17	0.50	606	21	0.55	681	24	0.70	769	28	0.91
2200	471	22	0.37	534	20	0.56	629	24	0.61	701	28	0.78	786	32	1.00
2400	497	25	0.42	560	24	0.63	651	28	0.67	721	32	0.86	804	35	1.11
2600	522	29	0.47	585	28	0.72	673	32	0.74	741	35	0.95	821	39	1.22
2800	548	32	0.53	610	32	0.81	695	36	0.82	761	39	1.05	838	42	1.35
3000	574	36	0.60	636	36	0.91	717	39	0.91	781	42	1.16	855	46	1.49
3200	600	39	0.68	661	40	1.03	739	43	1.00	801	46	1.28	873	49	1.65
3400	625	43	0.77	686	44	1.16	761	47	1.11	821	50	1.42	890	53	1.83
3600	651	47	0.86	712	47	1.30	783	51	1.23	841	53	1.56	907	56	2.02
3800	677	50	0.97	737	51	1.47	805	54	1.35	861	57	1.73	924	60	2.23
4000	703	54	1.10	762	55	1.66	827	58	1.50	881	60	1.91	941	63	2.46
4200	728	57	1.24	787	59	1.87	849	62	1.65	901	64	2.11	959	67	2.72
4400	754	61	1.40	813	63	2.11	871	66	1.83	921	68	2.33	976	70	3.01
4600	780	64	1.57	838	67	2.38	893	69	2.02	941	71	2.58	993	74	3.33
4800	806	68	1.77	863	70	2.68	916	73	2.23	961	75	2.85	1010	77	3.68
5000	831	72	2.00	889	74	3.02	938	77	2.47	981	78	3.15	1028	81	4.06
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	860	31	0.96	942	29	1.24	1012	33	1.45	1050	37	1.60	1105	40	1.63
2000	873	35	1.04	952	33	1.34	1021	37	1.58	1059	40	1.73	1111	43	1.73
2200	886	38	1.13	963	36	1.45	1030	40	1.71	1067	43	1.88	1116	46	1.84
2400	900	41	1.22	973	40	1.57	1039	43	1.85	1076	47	2.03	1122	50	1.95
2600	913	44	1.32	983	43	1.70	1049	47	2.00	1084	50	2.20	1127	53	2.07
2800	926	47	1.43	993	47	1.84	1058	50	2.17	1093	53	2.39	1133	56	2.20
3000	940	50	1.55	1003	50	2.00	1067	54	2.35	1101	56	2.59	1139	59	2.34
3200	953	54	1.68	1013	54	2.16	1076	57	2.55	1110	60	2.80	1144	62	2.48
3400	966	57	1.82	1023	57	2.34	1085	60	2.76	1118	63	3.03	1150	66	2.64
3600	980	60	1.98	1033	61	2.54	1094	64	2.99	1127	66	3.29	1155	69	2.80
3800	993	63	2.14	1043	64	2.75	1103	67	3.24	1135	69	3.56	1161	72	2.97
4000	1006	66	2.32	1053	68	2.98	1112	70	3.51	1144	73	3.86	1166	75	3.16
4200	1019	70	2.51	1063	71	3.23	1122	74	3.80	1152	76	4.18	1172	78	3.35
4400	1033	73	2.72	1073	75	3.49	1131	77	4.12	1161	79	4.53	1177	82	3.56
4600	1046	76	2.95	1083	78	3.79	1140	81	4.46	1169	83	4.90	1183	85	3.78
4800	1059	79	3.19	1094	82	4.10	1149	84	4.83	1178	86	5.31	1188	88	4.01
5000	1073	82	3.46	1104	85	4.44	1158	87	5.23	1186	89	5.76	1194	90	4.26

Shaded area indicates air flow below 3000 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating. Valid motor operating range for DDC% setting is 20 - 90.

APPENDIX A BLOWER PERFORMANCE DATA

12.5 TON

MODELS : DHG1503D, DHG1504D & DHG1507D WITH DDC CONTROL

STANDARD STATIC TO 3.5HP (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
2000							601	20	0.62	677	22	0.67	-	-	-
2200	537	21	0.51	595	23	0.66	627	24	0.70	700	27	0.75	-	-	-
2400	561	25	0.58	620	27	0.75	653	28	0.79	724	31	0.85	-	-	-
2600	585	29	0.65	644	31	0.84	680	33	0.89	747	35	0.96	-	-	-
2800	610	33	0.74	668	35	0.95	706	37	1.00	770	39	1.08	-	-	-
3000	634	37	0.83	692	39	1.07	733	41	1.13	793	43	1.22	-	-	-
3200	658	41	0.93	717	43	1.21	759	45	1.28	817	47	1.37	-	-	-
3400	682	45	1.05	741	47	1.36	786	49	1.44	840	51	1.55	-	-	-
3600	707	49	1.19	765	52	1.54	812	54	1.62	863	56	1.74	-	-	-
3800	731	54	1.34	789	56	1.73	838	58	1.83	886	60	1.97	-	-	-
4000	755	58	1.51	814	60	1.96	865	62	2.06	909	64	2.22	-	-	-
4200	779	62	1.70	838	64	2.20	891	66	2.33	933	68	2.50	-	-	-
4400	804	66	1.92	862	68	2.49	918	70	2.62	956	72	2.82	-	-	-
4600	828	70	2.16	886	72	2.80	944	74	2.96	979	74	3.18	-	-	-

Shaded area indicates air flow below 3750 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
2000													-	-	-
2200										691	22	0.70	-	-	-
2400	520	23	0.57	577	18	0.62	653	24	0.66	713	26	0.77	-	-	-
2600	547	27	0.65	603	23	0.70	677	29	0.73	736	31	0.85	-	-	-
2800	574	31	0.73	630	28	0.79	700	33	0.81	759	35	0.94	-	-	-
3000	601	36	0.82	657	33	0.89	724	38	0.89	781	40	1.04	-	-	-
3200	629	40	0.93	683	38	1.00	748	42	0.99	804	45	1.15	-	-	-
3400	656	44	1.05	710	43	1.13	772	47	1.09	827	49	1.27	-	-	-
3600	683	48	1.18	736	48	1.27	796	51	1.21	849	54	1.41	-	-	-
3800	710	53	1.33	763	52	1.43	820	56	1.33	872	58	1.56	-	-	-
4000	737	57	1.50	789	57	1.62	844	60	1.47	895	63	1.72	-	-	-
4200	764	61	1.69	816	62	1.82	868	65	1.63	917	67	1.90	-	-	-
4400	791	66	1.91	842	67	2.06	892	70	1.80	940	72	2.10	-	-	-
4600	819	70	2.15	869	72	2.32	916	74	1.99	963	74	2.32	-	-	-
4800	846	74	2.42	896	74	2.61							-	-	-

Shaded area indicates air flow below 3750 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating. Valid motor operating range for DDC% setting is 20 - 90.

APPENDIX A BLOWER PERFORMANCE DATA

12.5 TON

MODELS : DHG1503L, DHG1504L & DHG1507L WITH DDC CONTROL

MEDIUM STATIC TO 3.5HP (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
2200	537	21	0.51	595	23	0.66	627	24	0.70	700	27	0.76	764	29	0.87
2400	561	25	0.58	620	27	0.75	653	28	0.79	724	31	0.84	785	33	0.96
2600	585	29	0.65	644	31	0.84	680	33	0.89	747	35	0.93	806	37	1.06
2800	610	33	0.74	668	35	0.95	706	37	1.00	770	39	1.03	827	41	1.18
3000	634	37	0.83	692	39	1.07	733	41	1.13	793	43	1.14	848	45	1.30
3200	658	41	0.93	717	43	1.21	759	45	1.28	817	47	1.26	869	49	1.44
3400	682	45	1.05	741	47	1.36	786	49	1.44	840	51	1.39	890	53	1.59
3600	707	49	1.19	765	52	1.54	812	54	1.62	863	56	1.54	911	58	1.76
3800	731	54	1.34	789	56	1.73	838	58	1.83	886	60	1.70	932	62	1.94
4000	755	58	1.51	814	60	1.96	865	62	2.06	909	64	1.88	953	66	2.14
4200	779	62	1.70	838	64	2.20	891	66	2.33	933	68	2.08	974	70	2.37
4400	804	66	1.92	862	68	2.49	918	70	2.62	956	72	2.30	995	74	2.62
4600	828	70	2.16	886	72	2.80	944	74	2.96	979	74	2.54			
4800	852	74	2.44	911	74	3.16									
5000															
CFM							1.2			1.4			1.6		
	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP	RPM	DDC %	BHP
2200	825	31	1.09	938	42	0.93	-	-	-	-	-	-	-	-	-
2400	844	35	1.20	949	45	1.20	-	-	-	-	-	-	-	-	-
2600	863	39	1.33	961	48	1.33	-	-	-	-	-	-	-	-	-
2800	883	43	1.47	972	51	1.47	-	-	-	-	-	-	-	-	-
3000	902	48	1.62	984	54	1.62	-	-	-	-	-	-	-	-	-
3200	921	52	1.79	996	57	1.79	-	-	-	-	-	-	-	-	-
3400	940	56	1.98	1007	60	1.98	-	-	-	-	-	-	-	-	-
3600	959	60	2.19	1019	63	2.19	-	-	-	-	-	-	-	-	-
3800	978	64	2.42	1030	66	2.42	-	-	-	-	-	-	-	-	-
4000	997	68	2.67	1042	69	2.67	-	-	-	-	-	-	-	-	-
4200	1016	72	2.96	1054	72	2.96	-	-	-	-	-	-	-	-	-
4400	1036	74	3.27	1065	74	3.27	-	-	-	-	-	-	-	-	-
4600							-	-	-	-	-	-	-	-	-
4800							-	-	-	-	-	-	-	-	
5000							-	-	-	-	-	-	-	-	

Shaded area indicates air flow below 3750 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		
2200	493	18	0.51	550	13	0.55	629	19	0.60	691	22	0.70	750	23	0.83		
2400	520	23	0.57	577	18	0.62	653	24	0.66	713	26	0.77	771	28	0.91		
2600	547	27	0.65	603	23	0.70	677	29	0.73	736	31	0.85	793	32	1.01		
2800	574	31	0.73	630	28	0.79	700	33	0.81	759	35	0.94	814	37	1.12		
3000	601	36	0.82	657	33	0.89	724	38	0.89	781	40	1.04	835	42	1.23		
3200	629	40	0.93	683	38	1.00	748	42	0.99	804	45	1.15	857	46	1.36		
3400	656	44	1.05	710	43	1.13	772	47	1.09	827	49	1.27	878	51	1.51		
3600	683	48	1.18	736	48	1.27	796	51	1.21	849	54	1.41	900	55	1.67		
3800	710	53	1.33	763	52	1.43	820	56	1.33	872	58	1.56	921	60	1.84		
4000	737	57	1.50	789	57	1.62	844	60	1.47	895	63	1.72	942	65	2.03		
4200	764	61	1.69	816	62	1.82	868	65	1.63	917	67	1.90	964	69	2.25		
4400	791	66	1.91	842	67	2.06	892	70	1.80	940	72	2.10	985	74	2.48		
4600	819	70	2.15	869	72	2.32	916	74	1.99	963	74	2.32					
4800	846	74	2.42	896	74	2.61											
5000																	
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		
2200	804	28	1.06	862	27	1.24	-	-	-	-	-	-	-	-	-		
2400	825	32	1.17	881	32	1.37	-	-	-	-	-	-	-	-	-		
2600	845	36	1.29	900	37	1.52	-	-	-	-	-	-	-	-	-		
2800	866	41	1.42	919	41	1.68	-	-	-	-	-	-	-	-	-		
3000	887	45	1.57	938	46	1.85	-	-	-	-	-	-	-	-	-		
3200	907	49	1.74	957	51	2.05	-	-	-	-	-	-	-	-	-		
3400	928	54	1.92	976	55	2.26	-	-	-	-	-	-	-	-	-		
3600	948	58	2.13	995	60	2.50	-	-	-	-	-	-	-	-	-		
3800	969	62	2.35	1013	65	2.76	-	-	-	-	-	-	-	-	-		
4000	989	66	2.60	1032	69	3.05	-	-	-	-	-	-	-	-	-		
4200	1010	71	2.87	1051	74	3.38	-	-	-	-	-	-	-	-	-		
4400	1030	74	3.17				-	-	-	-	-	-	-	-	-		
4600							-	-	-	-	-	-	-	-			
4800							-	-	-	-	-	-	-	-			
5000							-	-	-	-	-	-	-	-			

Shaded area indicates air flow below 3750 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating. Valid motor operating range for DDC% setting is 20 - 90.

APPENDIX A BLOWER PERFORMANCE DATA

12.5 TON

MODELS : DHG1503W, DHG1504W & DHG1507W WITH DDC CONTROL

MEDIUM STATIC TO 5.0 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
2400	635	29	0.78	732	33	1.02	812	38	1.06	877	41	1.32	945	43	1.45
2600	667	33	0.89	758	37	1.14	835	41	1.18	898	44	1.46	964	46	1.58
2800	699	37	1.03	785	41	1.29	859	45	1.30	919	47	1.61	982	50	1.71
3000	731	41	1.18	811	44	1.45	882	48	1.44	939	51	1.78	1000	53	1.85
3200	763	45	1.36	838	48	1.64	906	52	1.59	960	54	1.97	1018	57	2.00
3400	795	49	1.56	864	52	1.85	929	55	1.75	980	57	2.18	1036	60	2.17
3600	827	53	1.80	891	55	2.09	953	59	1.94	1001	61	2.40	1055	64	2.35
3800	859	57	2.07	917	59	2.35	976	62	2.14	1021	64	2.66	1073	67	2.55
4000	891	61	2.38	944	62	2.65	1000	65	2.37	1042	67	2.94	1091	70	2.76
4200	923	64	2.74	970	66	2.99	1023	69	2.62	1063	71	3.25	1109	74	2.99
4400	955	68	3.15	997	70	3.37	1047	72	2.89	1083	74	3.59	1128	77	3.24
4600	987	72	3.62	1023	73	3.80	1070	76	3.20	1104	77	3.96	1146	81	3.51
4800	1019	76	4.16	1050	77	4.28	1094	79	3.53	1124	81	4.38	1164	84	3.80
5000	1051	80	4.79	1076	81	4.83	1117	83	3.91	1145	84	4.84	1182	88	4.12
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
2400	1010	47	1.84	1065	50	2.10	1102	52	2.13	1159	55	2.30	1193	56	2.70
2600	1027	51	1.99	1081	53	2.28	1121	55	2.31	1179	58	2.49	1213	60	2.93
2800	1044	54	2.16	1097	56	2.47	1139	59	2.51	1199	62	2.70	1233	63	3.17
3000	1061	57	2.34	1112	59	2.68	1158	62	2.71	1219	65	2.93	1252	66	3.43
3200	1077	60	2.53	1128	62	2.90	1176	65	2.94	1240	68	3.17	1272	70	3.72
3400	1094	63	2.74	1144	65	3.14	1195	68	3.18	1260	72	3.44	1291	73	4.03
3600	1111	66	2.97	1159	69	3.40	1213	72	3.45	1280	75	3.72	1311	76	4.37
3800	1128	70	3.22	1175	72	3.68	1232	75	3.74	1300	78	4.03	1331	80	4.73
4000	1145	73	3.49	1191	75	3.99	1250	78	4.05	1321	82	4.37	1350	83	5.12
4200	1161	76	3.78	1206	78	4.32	1269	81	4.39	1341	85	4.73			
4400	1178	79	4.09	1222	81	4.68	1288	85	4.75	1361	89	5.12			
4600	1195	82	4.43	1238	84	5.07									
4800	1212	85	4.80												
5000															

Shaded area indicates air flow below 3750 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
2400	509	23	0.44	590	24	0.66	674	27	0.86	767	32	0.98	838	35	0.95
2600	534	26	0.49	613	28	0.74	694	31	0.97	782	36	1.08	851	39	1.03
2800	560	30	0.56	635	32	0.83	714	35	1.10	797	39	1.19	865	42	1.12
3000	586	34	0.63	657	36	0.94	734	39	1.23	811	42	1.32	878	45	1.21
3200	612	38	0.71	680	40	1.06	754	42	1.39	826	46	1.46	891	49	1.31
3400	638	42	0.80	702	44	1.19	774	46	1.57	841	49	1.61	904	52	1.42
3600	664	46	0.90	724	48	1.35	793	50	1.77	856	53	1.78	918	56	1.54
3800	690	50	1.01	747	51	1.52	813	54	2.00	870	56	1.97	931	59	1.67
4000	716	53	1.14	769	55	1.71	833	57	2.25	885	60	2.18	944	62	1.80
4200	742	57	1.29	792	59	1.93	853	61	2.54	900	63	2.40	957	65	1.95
4400	768	61	1.45	814	63	2.18	873	65	2.86	915	67	2.66	971	69	2.12
4600	793	65	1.64	836	67	2.45	893	68	3.22	930	70	2.94	984	72	2.29
4800	819	69	1.85	859	71	2.77	913	72	3.64	944	74	3.25	997	76	2.48
5000	845	73	2.08	881	75	3.12	932	76	4.10	959	77	3.59	1010	79	2.69
5200	871	76	2.35	903	78	3.52	952	80	4.62	974	81	3.96	1024	82	2.92
5400	897	80	2.65	926	82	3.97	972	83	5.21	989	84	4.38	1037	86	3.16
5600	923	84	2.99	948	86	4.47	992	87	5.88	1003	87	4.84	1050	89	3.42
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
2400	908	38	1.20	979	42	1.45	1053	43	1.59	1114	45	1.86	1134	47	1.87
2600	919	42	1.30	988	45	1.57	1059	47	1.69	1119	49	1.97	1139	50	1.98
2800	929	45	1.41	997	48	1.70	1064	50	1.79	1123	52	2.09	1144	54	2.11
3000	940	48	1.53	1007	51	1.85	1070	53	1.90	1127	55	2.22	1150	57	2.24
3200	951	51	1.66	1016	54	2.00	1075	56	2.02	1131	58	2.36	1155	60	2.37
3400	961	54	1.79	1025	57	2.17	1081	60	2.14	1135	62	2.51	1161	64	2.52
3600	972	58	1.94	1035	61	2.35	1086	63	2.28	1139	65	2.66	1166	67	2.68
3800	983	61	2.11	1044	64	2.54	1092	66	2.42	1143	68	2.83	1172	70	2.84
4000	993	64	2.28	1053	67	2.75	1097	70	2.57	1148	72	3.00	1177	73	3.02
4200	1004	67	2.47	1063	70	2.98	1103	73	2.73	1152	75	3.19	1183	77	3.20
4400	1014	71	2.68	1072	73	3.23	1108	76	2.89	1156	78	3.38	1188	80	3.40
4600	1025	74	2.90	1081	77	3.50	1114	79	3.07	1160	81	3.59	1194	83	3.61
4800	1036	77	3.14	1091	80	3.79	1119	83	3.26	1164	85	3.81	1199	86	3.84
5000	1046	80	3.40	1100	83	4.11	1125	86	3.46	1168	88	4.05	1205	90	4.07
5200	1057	83	3.69	1109	86	4.45	1130	89	3.68						
5400	1068	87	3.99	1119	89	4.82									
5600	1078	90	4.33												

Shaded area indicates air flow below 3750 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating. Valid motor operating range for DDC% setting is 20 - 90.

APPENDIX B ELECTRICAL DATA

ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Powered Convenience Outlet	Optional Power Exhaust*	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA	FLA	FLA	MCA	MOP
DHG0903D	208/230/3/60	2	12.2	120	2	0.33	2.0	1	2.4	8.0	-	-	39.4/39.4	50/50
											9.6/8.7	-	49.0/48.1	60/60
											-	3.3/3.0 (2.4)	42.7/42.4	50/50
											9.6/8.7	3.3/3.0 (2.4)	52.3/51.1	60/60
DHG0903L	208/230/3/60	2	12.2	120	2	0.33	2.0	1	2.4	8.0	-	-	39.4/39.4	50/50
											9.6/8.7	-	49.0/48.1	60/60
											-	3.3/3.0 (2.4)	42.7/42.4	50/50
											9.6/8.7	3.3/3.0 (2.4)	52.3/51.1	60/60
DHG0903W	208/230/3/60	2	12.2	120	2	0.33	2.0	1	3.5	10.9	-	-	42.3/42.3	50/50
											9.6/8.7	-	51.9/51.0	60/60
											-	3.3/3.0 (2.4)	45.6/45.3	50/50
											9.6/8.7	3.3/3.0 (2.4)	55.2/54.0	60/60
DHG0904D	460/3/60	2	5.8	55.1	2	0.33	0.85	1	2.4	5.4	-	-	20.1	25
											4.3	-	24.4	30
											-	1.2 (1.0)	21.3	25
											4.3	1.2 (1.0)	25.6	30
DHG0904L	460/3/60	2	5.8	55.1	2	0.33	0.85	1	2.4	5.4	-	-	20.1	25
											4.3	-	24.4	30
											-	1.2 (1.0)	21.3	25
											4.3	1.2 (1.0)	25.6	30
DHG0904W	460/3/60	2	5.8	55.1	2	0.33	0.85	1	3.5	7.2	-	-	21.9	25
											4.3	-	26.2	30
											-	1.2 (1.0)	23.1	30
											4.3	1.2 (1.0)	27.4	30
DHG0907D	575/3/60	2	5.8	41.0	2	0.33	0.67	1	2.4	4.0	-	-	18.3	20
											3.5	-	21.8	25
											-	1.3	19.6	25
											3.5	1.3	23.1	25
DHG0907L	575/3/60	2	5.8	41.0	2	0.33	0.67	1	2.4	4.0	-	-	18.3	20
											3.5	-	21.8	25
											-	1.3	19.6	25
											3.5	1.3	23.1	25
DHG0907W	575/3/60	2	5.8	41.0	2	0.33	0.67	1	3.5	5.0	-	-	19.3	25
											3.5	-	22.8	25
											-	1.3	20.6	25
											3.5	1.3	24.1	25
DHG1023D	208/230/3/60	2	14.1	120	2	0.33	2.0	1	2.4	8.0	-	-	43.7/43.7	50/50
											9.6/8.7	-	53.3/52.4	60/60
											-	3.3/3.0 (2.4)	47.0/46.7	60/60
											9.6/8.7	3.3/3.0 (2.4)	56.6/55.4	60/60
DHG1023L	208/230/3/60	2	14.1	120	2	0.33	2.0	1	3.5	10.9	-	-	46.6/46.6	60/60
											9.6/8.7	-	56.2/55.3	70/60
											-	3.3/3.0 (2.4)	49.9/49.6	60/60
											9.6/8.7	3.3/3.0 (2.4)	59.5/58.3	70/70
DHG1023W	208/230/3/60	2	14.1	120	2	0.33	2.0	1	3.5	10.9	-	-	46.6/46.6	60/60
											9.6/8.7	-	56.2/55.3	70/60
											-	3.3/3.0 (2.4)	49.9/49.6	60/60
											9.6/8.7	3.3/3.0 (2.4)	59.5/58.3	70/70
DHG1024D	460/3/60	2	6.4	55.1	2	0.33	0.85	1	2.4	5.4	-	-	21.5	25
											4.3	-	25.8	30
											-	1.2 (1.0)	22.7	25
											4.3	1.2 (1.0)	27.0	30
DHG1024L	460/3/60	2	6.4	55.1	2	0.33	0.85	1	3.5	7.2	-	-	23.3	30
											4.3	-	27.6	35
											-	1.2 (1.0)	24.5	30
											4.3	1.2 (1.0)	28.8	35
DHG1024W	460/3/60	2	6.4	55.1	2	0.33	0.85	1	3.5	7.2	-	-	23.3	30
											4.3	-	27.6	35
											-	1.2 (1.0)	24.5	30
											4.3	1.2 (1.0)	28.8	35
DHG1027D	575/3/60	2	5.1	41.0	2	0.33	0.67	1	2.4	4.0	-	-	16.9	20
											3.5	-	20.4	25
											-	1.3	18.2	20
											3.5	1.3	21.7	25
DHG1027L	575/3/60	2	5.1	41.0	2	0.33	0.67	1	3.5	5.0	-	-	17.9	20
											3.5	-	21.4	25
											-	1.3	19.2	20
											3.5	1.3	22.7	25
DHG1027W	575/3/60	2	5.1	41.0	2	0.33	0.67	1	3.5	5.0	-	-	17.9	20
											3.5	-	21.4	25
											-	1.3	19.2	20
											3.5	1.3	22.7	25

*NOTE: Use higher value for calculation of MCA. Use lower value for calculation of MOP.

APPENDIX B ELECTRICAL DATA

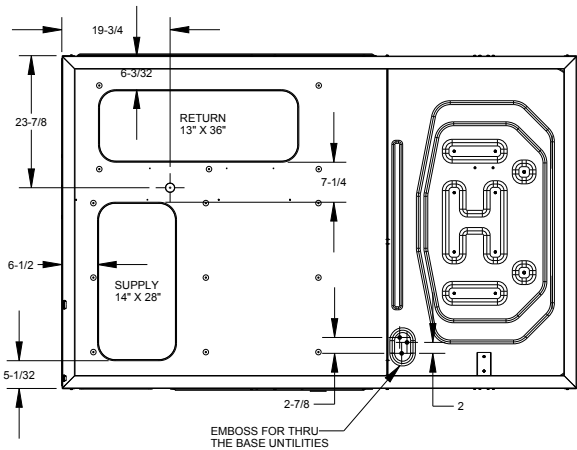
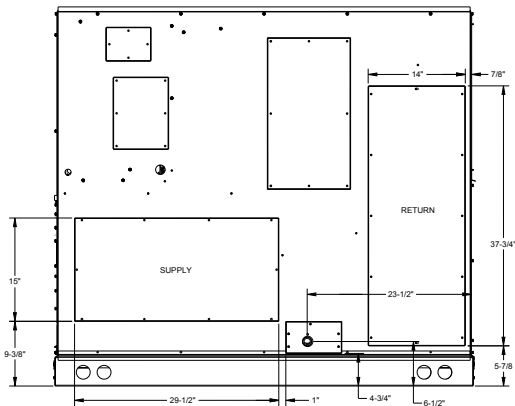
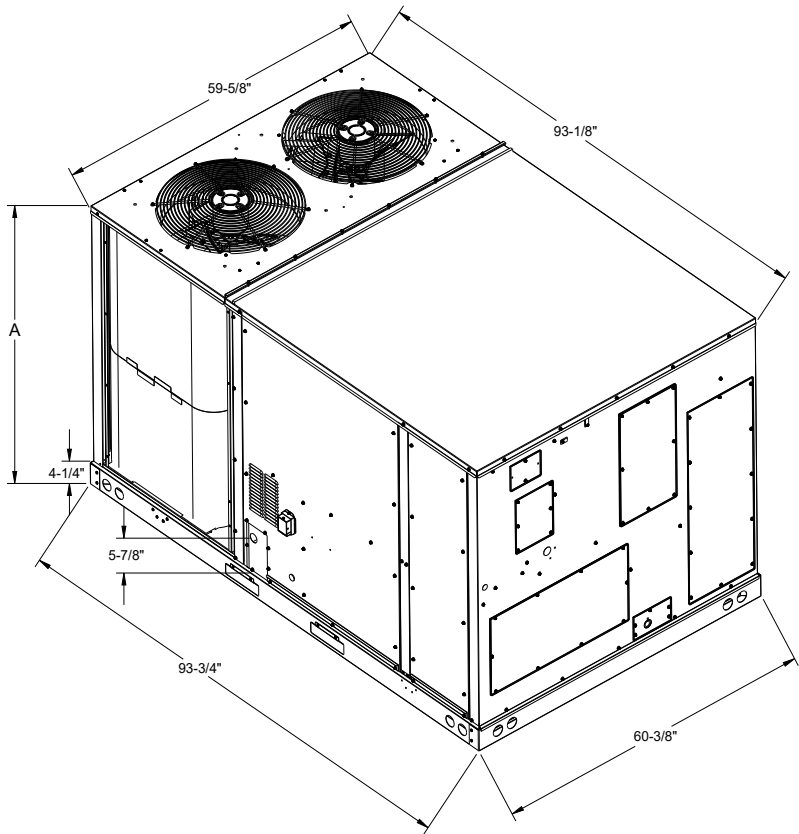
ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Powered Convenience Outlet	Optional Power Exhaust*	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA	FLA	FLA	MCA	MOP
DHG1203D	208/230/3/60	2	15.4	156	2	0.33	2.0	1	2.4	8.0	-	-	46.6/46.6	60/60
											9.6/8.7	-	56.2/55.3	70/70
											-	3.3/3.0 (2.4)	49.9/49.6	60/60
											9.6/8.7	3.3/3.0 (2.4)	59.5/58.3	70/70
DHG1203L	208/230/3/60	2	15.4	156	2	0.33	2.0	1	3.5	10.9	-	-	49.5/49.5	60/60
											9.6/8.7	-	59.1/58.2	70/70
											-	3.3/3.0 (2.4)	52.8/52.5	60/60
											9.6/8.7	3.3/3.0 (2.4)	62.4/61.2	70/70
DHG1203W	208/230/3/60	2	15.4	156	2	0.33	2.0	1	5.0	14.5	-	-	53.1/53.1	60/60
											9.6/8.7	-	62.7/61.8	70/70
											-	3.3/3.0 (2.4)	56.4/56.1	70/70
											9.6/8.7	3.3/3.0 (2.4)	66.0/64.8	80/80
DHG1204D	460/3/60	2	7.7	69.0	2	0.33	0.85	1	2.4	5.4	-	-	24.4	30
											4.3	-	28.7	35
											-	1.2 (1.0)	25.6	30
											4.3	1.2 (1.0)	29.9	35
DHG1204L	460/3/60	2	7.7	69.0	2	0.33	0.85	1	3.5	7.2	-	-	26.2	30
											4.3	-	30.5	35
											-	1.2 (1.0)	27.4	35
											4.3	1.2 (1.0)	31.7	35
DHG1204W	460/3/60	2	7.7	69.0	2	0.33	0.85	1	5.0	10.6	-	-	29.6	40
											4.3	-	33.9	45
											-	1.2 (1.0)	30.8	40
											4.3	1.2 (1.0)	35.1	45
DHG1207D	575/3/60	2	6.4	47.8	2	0.33	0.67	1	2.4	4.0	-	-	19.7	25
											3.5	-	23.2	25
											-	1.3	21.0	25
											3.5	1.3	24.5	30
DHG1207L	575/3/60	2	6.4	47.8	2	0.33	0.67	1	3.5	5.0	-	-	20.7	25
											3.5	-	24.2	30
											-	1.3	22.0	25
											3.5	1.3	25.5	30
DHG1207W	575/3/60	2	6.4	47.8	2	0.33	0.67	1	5.0	7.2	-	-	22.9	30
											3.5	-	26.4	30
											-	1.3	24.2	30
											3.5	1.3	27.7	35
DHG1503D	208/230/3/60	2	19.2	157	2	0.33	3.5	1	3.5	10.9	-	-	61.1/61.1	80/80
											9.6/8.7	-	70.7/69.8	80/80
											-	3.3/3.0 (2.4)	64.4/64.1	80/80
											9.6/8.7	3.3/3.0 (2.4)	74.0/72.8	90/90
DHG1503L	208/230/3/60	2	19.2	157	2	0.33	3.5	1	3.5	10.9	-	-	61.1/61.1	80/80
											9.6/8.7	-	70.7/69.8	80/80
											-	3.3/3.0 (2.4)	64.4/64.1	80/80
											9.6/8.7	3.3/3.0 (2.4)	74.0/72.8	90/90
DHG1503W	208/230/3/60	2	19.2	157	2	0.33	3.5	1	5.0	14.5	-	-	64.7/64.7	80/80
											9.6/8.7	-	74.3/73.4	90/90
											-	3.3/3.0 (2.4)	68.0/67.7	80/80
											9.6/8.7	3.3/3.0 (2.4)	77.6/76.4	90/90
DHG1504D	460/3/60	2	9.0	74.8	2	0.33	1.6	1	3.5	7.2	-	-	30.6	35
											4.3	-	34.9	40
											-	1.2 (1.0)	31.8	40
											4.3	1.2 (1.0)	36.1	40
DHG1504L	460/3/60	2	9.0	74.8	2	0.33	1.6	1	3.5	7.2	-	-	30.6	35
											4.3	-	34.9	40
											-	1.2 (1.0)	31.8	40
											4.3	1.2 (1.0)	36.1	40
DHG1504W	460/3/60	2	9.0	74.8	2	0.33	1.6	1	5.0	10.6	-	-	34.0	40
											4.3	-	38.3	45
											-	1.2 (1.0)	35.2	45
											4.3	1.2 (1.0)	39.5	50
DHG1507D	575/3/60	2	7.0	53.9	2	0.33	1.54	1	3.5	5.0	-	-	23.9	30
											3.5	-	27.4	30
											-	1.3	25.2	30
											3.5	1.3	28.7	35
DHG1507L	575/3/60	2	7.0	53.9	2	0.33	1.54	1	3.5	5.0	-	-	23.9	30
											3.5	-	27.4	30
											-	1.3	25.2	30
											3.5	1.3	28.7	35
DHG1507W	575/3/60	2	7.0	53.9	2	0.33	1.54	1	5.0	7.2	-	-	26.1	30
											3.5	-	29.6	35
											-	1.3	27.4	30
											3.5	1.3	30.9	35

*NOTE: Use higher value for calculation of MCA. Use lower value for calculation of MOP.

APPENDIX C UNIT DIMENSIONS

MODEL	DIM "A"
DHG090	54.6"
DHG102	54.6"
DHG120	54.6"
DHG150	58.8"



NOTE: Refer to IOD-7082 included in the literature pack for installing horizontal duct covers.

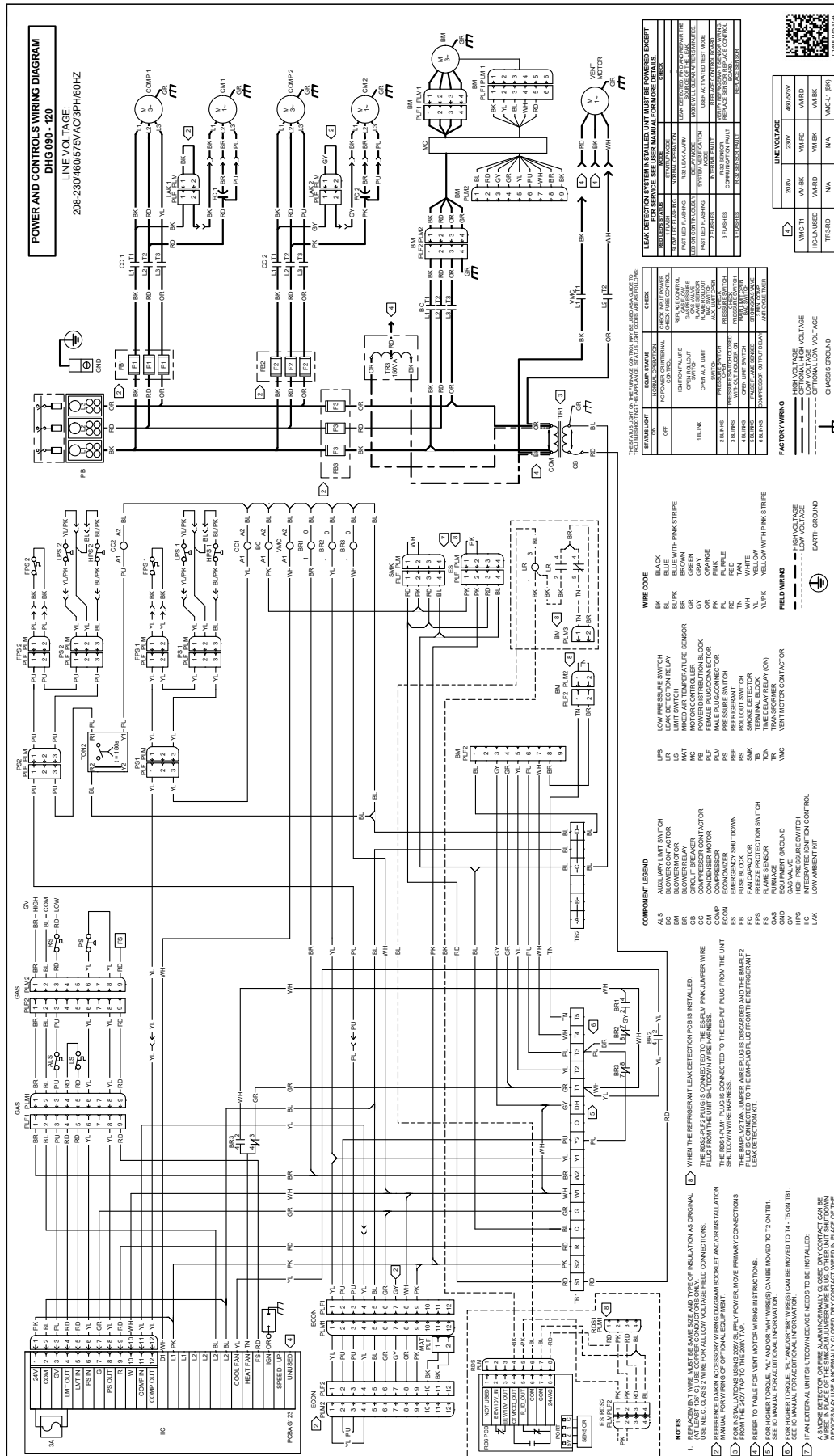
APPENDIX D MIN-MAX AIRFLOW

UNIT	Rated High Input (MBH)	Gas Heat	Minimum Heating Airflow (SCFM)	Maximum Heating Airflow (SCFM)
DHG090	130	High	1765	3882
		Low	1323	2912
	180	High	2443	5375
		Low	1832	4031
	225	High	2400	4199
		Low	1800	3149
DHG102	130	High	1765	3882
		Low	1323	2912
	180	High	2443	5375
		Low	1832	4031
	225	High	2400	4199
		Low	1800	3149
DHG120	130	High	1765	3882
		Low	1323	2912
	180	High	2443	5375
		Low	1832	4031
	240	High	2986	5972
		Low	2240	4479
DHG150	130	High	1765	3882
		Low	1323	2912
	180	High	2443	5375
		Low	1832	4031
	240	High	2756	5119
		Low	2067	3839

WARNING

HIGH VOLTAGE!

DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

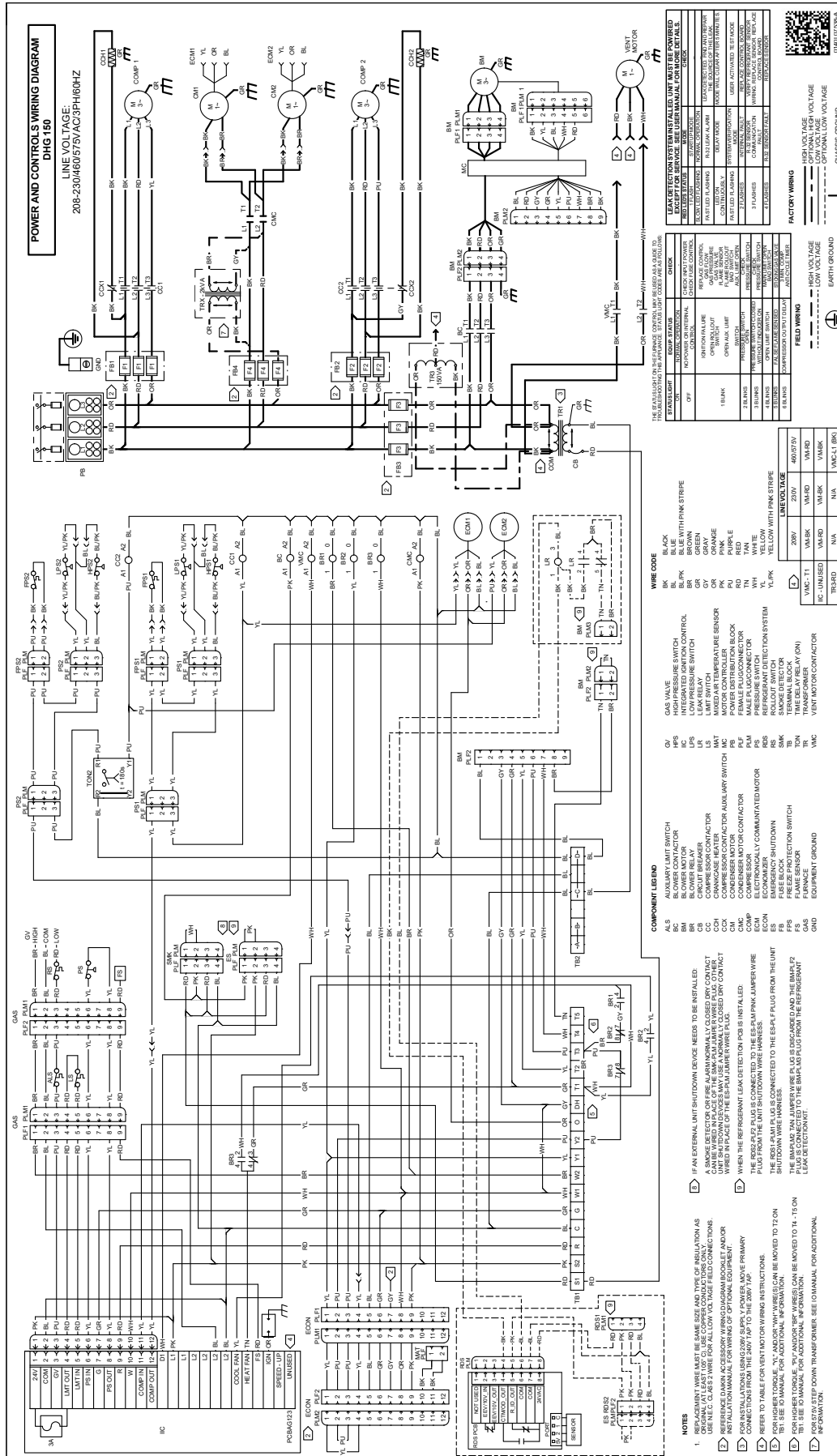


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WARNING

HIGH VOLTAGE!

DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

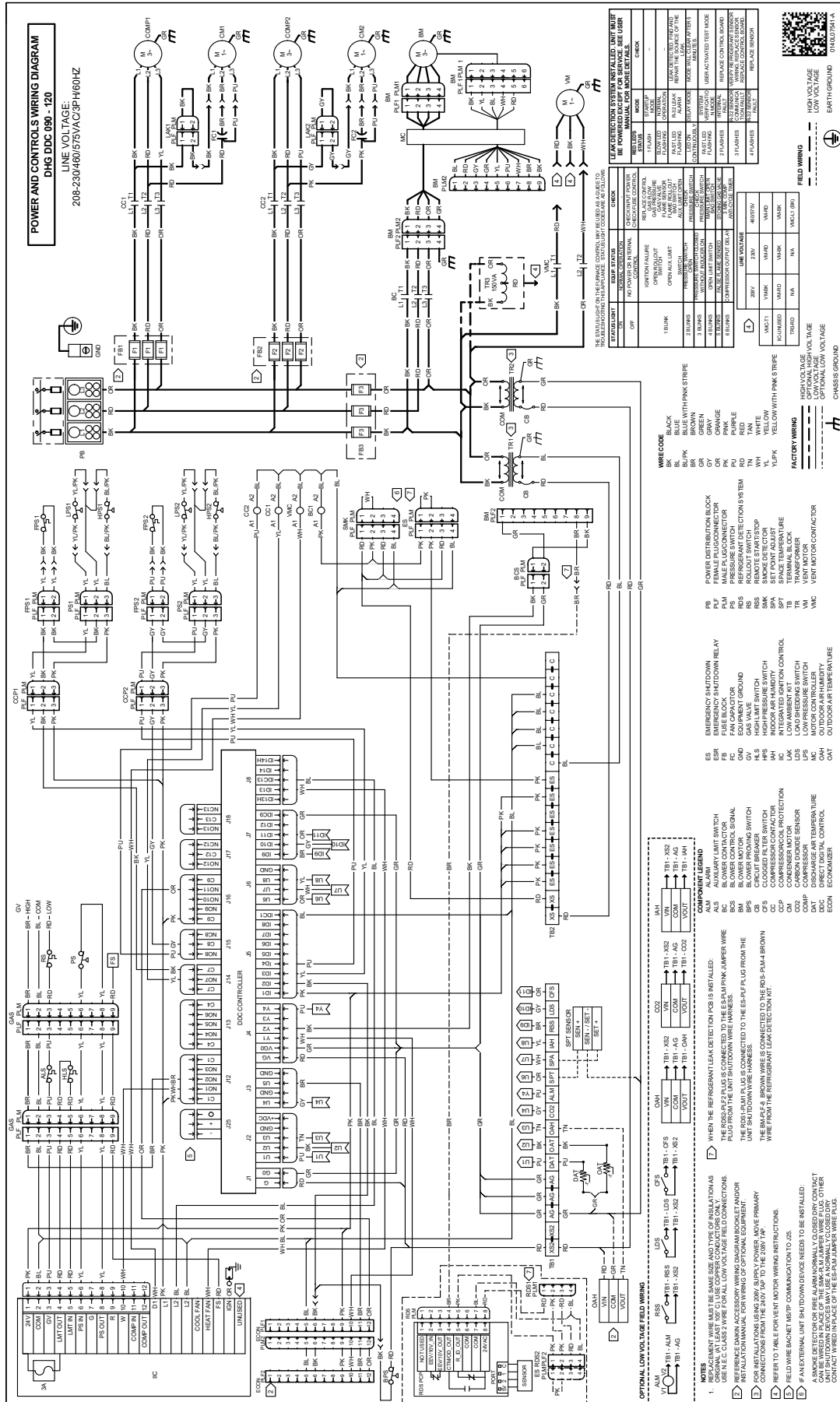


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WARNING

HIGH VOLTAGE!

DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

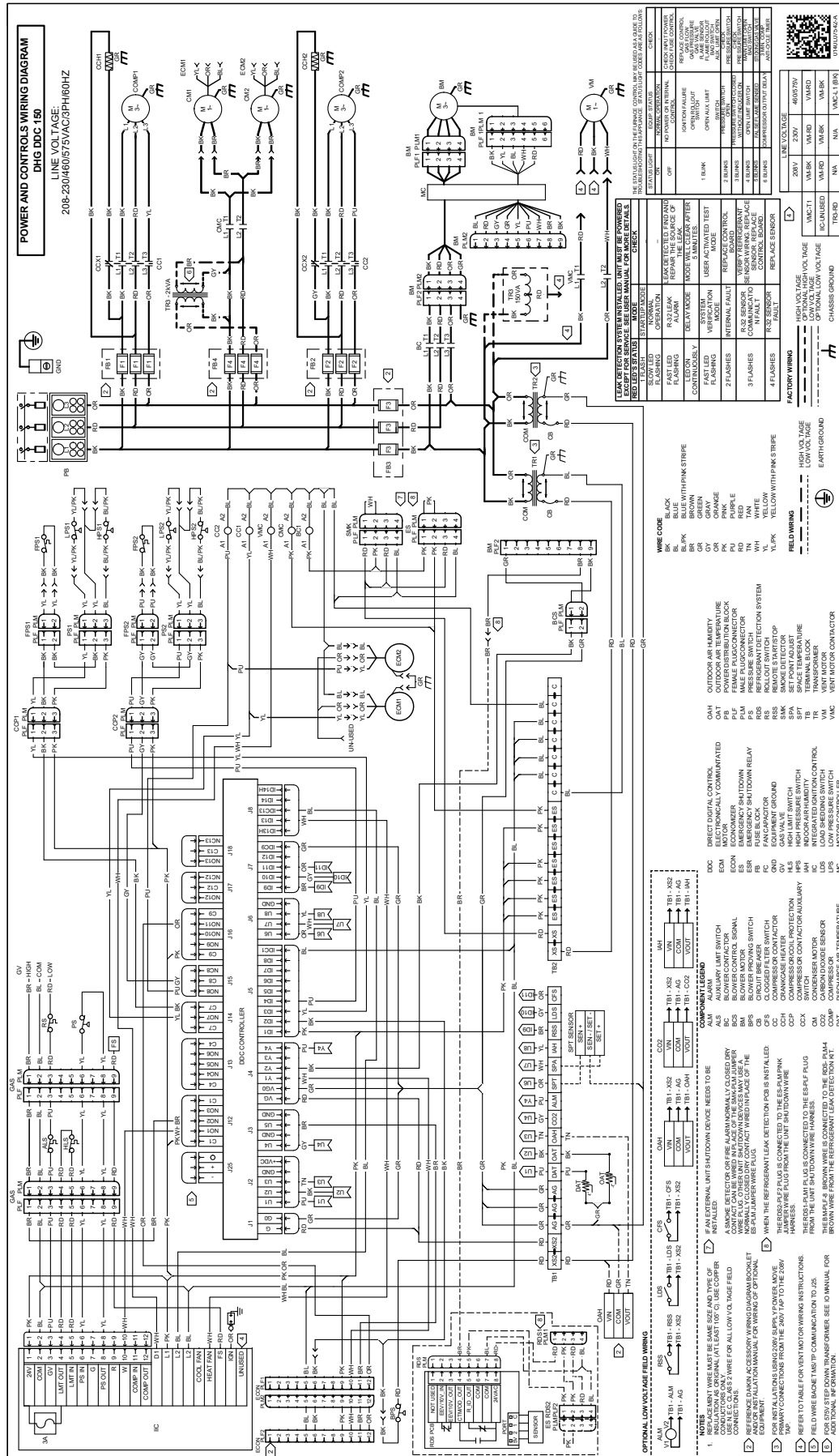


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

HIGH VOLTAGE!

DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



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Start-up Checklist

**Store in job file*

Date: _____ Location: _____
Model Number: _____
Serial Number: _____
Technician: _____ Unit #: _____

Pre Start-Up

(Check each item as completed)

- ☐ Verify all packaging material has been removed.
- ☐ Remove all shipping brackets per installation instructions.
- ☐ Verify the job site voltage agrees with the unit serial plate.
- ☐ Verify condensate connection is installed per installation instructions.
- ☐ Verify proper clearance around the unit for safety, service, maintenance and proper unit operation.
- ☐ Verify proper weatherproofing of all ductwork, roof curbs and electrical connections.
- ☐ Check that the flue screen is in place.
- ☐ Check gas piping for leaks.
- ☐ Verify gas pressure to the unit is within the range specified on the serial plate.
- ☐ Check to ensure that all fans, pulleys and wheels are secure.
- ☐ Check for proper belt tension and alignment per installation instructions.
- ☐ Check refrigerant piping for rubbing and leaks. *Repair if necessary.*
- ☐ Check unit wiring to ensure it is not in contact with refrigerant piping or sharp metal edges.
- ☐ Check all electrical connections and terminals. *Tighten as needed.*
- ☐ Verify that the crankcase heaters have been energized for 24 hours.
- ☐ Verify the scroll compressor(s) are rotating in the right direction.
- ☐ Verify all accessories are installed and operating correctly.
- ☐ Check filters and replace if necessary.
- ☐ Verify the installation of the thermostat.



Start-up Checklist

Start-Up

(Insert the values as each item is completed.)

ELECTRICAL

Supply Voltage	L1 - L2	_____	L2 - L3	_____	L3 - L1	_____
Circuit 1 Compressor Amps	L1	_____	L2	_____	L3	_____
Circuit 2 Compressor Amps	L1	_____	L2	_____	L3	_____
Blower Amps	L1	_____	L2	_____	L3	_____
Condenser Fan Amps	Fan 1	_____	Fan 2	_____	Fan 3	_____

BLOWER EXTERNAL STATIC PRESSURE

Return Air Static Pressure	_____	IN. W.C.
Supply Air Static Pressure	_____	IN. W.C.
Total External Static Pressure	_____	IN. W.C.
Blower Wheel RPM	_____	RPM

TEMPERATURES

Outdoor Air Temperature	_____	DB	_____	WB
Return Air Temperature	_____	DB	_____	WB
Cooling Supply Air Temperature	_____	DB	_____	WB
Heating Supply Air Temperature	_____	DB	_____	

PRESSURES

Gas Inlet Pressure	_____	IN. W.C.		
Gas Manifold Pressure	_____	IN. W.C. (Low Fire)	_____	IN. W.C. (High Fire)
Suction Circuit 1	_____	PSIG	_____	°F
Superheat (Orifice System)			_____	°F
Suction Circuit 2	_____	PSIG	_____	°F
Superheat (Orifice System)			_____	°F
Discharge Circuit 1	_____	PSIG	_____	°F
Subcooling (TXV System)			_____	°F
Discharge Circuit 2	_____	PSIG	_____	°F
Subcooling (TXV System)			_____	°F

(HEAT PUMP ONLY)

Suction Circuit 1	_____	PSIG	_____	°F
Suction Circuit 2	_____	PSIG	_____	°F
Discharge Circuit 1	_____	PSIG	_____	°F
Discharge Circuit 2	_____	PSIG	_____	°F

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CUSTOMER FEEDBACK

Daikin is very interested in all product comments.

Please fill out the feedback form on the following link:

<https://daikincomfort.com/contact-us>

You can also scan the QR code on the right to be directed to the feedback page.



Our continuing commitment to quality products may mean a change in specifications without notice.

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