

APPENDIX A BLOWER PERFORMANCE DATA

MODELS: DSG2403WL, DSG2404WL, DSG2407WL
STANDARD STATIC TO 5HP (0.2~1.2 ESP)

CFM	0.2					0.4					0.6				
	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2
4800	638	574	31	0.47	0.42	710	648	33	0.59	0.53	774	716	34	0.70	0.65
5200	677	607	33	0.58	0.52	743	676	35	0.71	0.64	743	676	37	0.84	0.77
5600	715	640	36	0.72	0.64	777	704	38	0.85	0.77	777	704	40	0.99	0.91
6000	753	672	39	0.87	0.77	811	733	41	1.02	0.92	811	733	43	1.16	1.06
6400	791	705	42	1.04	0.92	846	762	45	1.20	1.08	846	762	47	1.36	1.24
6800	828	737	46	1.23	1.09	880	791	48	1.40	1.26	880	791	50	1.57	1.43
7200	865	770	50	1.43	1.28	915	821	52	1.63	1.46	915	821	54	1.80	1.63
7600	902	802	54	1.66	1.48	950	852	56	1.87	1.68	950	852	58	2.05	1.86
8000	938	834	58	1.91	1.70	985	883	60	2.13	1.91	985	883	62	2.32	2.10
8400	974	866	62	2.18	1.94	1020	914	65	2.41	2.16	1020	914	67	2.61	2.36
8800	1010	898	66	2.47	2.20	1055	946	69	2.71	2.43	1055	946	72	2.92	2.64
CFM	0.8					1					1.2				
	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2
4800	831	778	36	0.83	0.78	883	831	38	0.96	0.91	933	879	40	1.11	1.05
5200	857	797	39	0.97	0.91	907	849	41	1.12	1.05	956	897	43	1.27	1.20
5600	884	818	42	1.14	1.05	932	868	44	1.29	1.20	980	916	46	1.46	1.36
6000	912	840	45	1.32	1.22	958	888	47	1.48	1.38	1005	936	49	1.66	1.54
6400	940	863	49	1.52	1.40	985	910	51	1.69	1.57	1031	957	53	1.88	1.74
6800	970	888	52	1.74	1.60	1013	934	54	1.92	1.77	1059	979	56	2.11	1.96
7200	1001	914	56	1.98	1.81	1043	958	58	2.17	1.99	1087	1003	60	2.37	2.18
7600	1033	941	60	2.24	2.04	1074	984	62	2.43	2.23	1116	1028	65	2.64	2.43
8000	1066	969	64	2.52	2.29	1106	1011	67	2.72	2.48	1146	1053	69	2.93	2.69
8400	1100	999	69	2.82	2.56	1139	1040	71	3.02	2.75	1177	1080	73	3.23	2.97
8800	1135	1030	74	3.13	2.84										

MODELS: DSG2403WL, DSG2404WL, DSG2407WL
STANDARD STATIC TO 5HP (0.8~2.2 ESP)

CFM	0.8					1					1.2					1.4				
	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2
5600	881	830	35	0.98	0.93	937	886	36	1.12	1.06	990	947	38	1.26	1.21	1039	1000	39	1.41	1.37
6000	907	849	37	1.11	1.03	960	905	38	1.25	1.18	1012	965	40	1.41	1.35	1060	1016	41	1.57	1.51
6400	934	869	39	1.25	1.16	985	924	40	1.40	1.31	1034	984	42	1.57	1.49	1082	1033	44	1.74	1.66
6800	962	890	41	1.41	1.30	1010	944	43	1.57	1.47	1058	1003	45	1.75	1.66	1104	1050	46	1.93	1.83
7200	991	913	44	1.59	1.47	1037	966	45	1.76	1.64	1083	1023	47	1.95	1.84	1128	1068	49	2.14	2.02
7600	1020	936	47	1.79	1.65	1064	988	48	1.97	1.83	1109	1044	50	2.17	2.03	1152	1087	52	2.36	2.22
8000	1050	960	50	2.02	1.85	1092	1010	51	2.20	2.03	1135	1065	53	2.40	2.24	1178	1106	55	2.60	2.44
8400	1080	986	53	2.26	2.07	1121	1034	54	2.45	2.26	1163	1086	56	2.66	2.47	1204	1126	58	2.86	2.67
8800	1112	1012	56	2.53	2.30	1151	1059	58	2.72	2.50	1191	1108	60	2.93	2.71					
CFM	1.6					1.8					2					2.2				
	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2
5600	1088	1050	41	1.58	1.53	1136	1099	42	1.74	1.69	1182	1143	44	1.91	1.85	1227	1186	46	2.09	2.03
6000	1109	1065	43	1.74	1.68	1156	1113	45	1.91	1.84	1202	1158	46	2.09	2.02	1246	1201	48	2.28	2.20
6400	1130	1081	46	1.92	1.84	1176	1128	47	2.10	2.01	1222	1173	49	2.29	2.20	1265	1216	50	2.48	2.39
6800	1152	1097	48	2.12	2.02	1197	1143	50	2.30	2.20	1243	1188	51	2.50	2.39	1285	1231	53	2.70	2.59
7200	1174	1114	51	2.33	2.22	1219	1159	52	2.52	2.39	1263	1203	54	2.72	2.59	1304	1246	56	2.93	2.80
7600	1198	1132	54	2.56	2.42	1241	1175	55	2.75	2.60	1284	1218	57	2.96	2.81	1323	1261	59	3.17	3.02
8000	1222	1150	57	2.81	2.64	1263	1191	58	3.00	2.83	1305	1234	60	3.21	3.04	1343	1276	62	3.43	3.26
8400	1246	1169	60	3.07	2.88	1286	1208	61	3.27	3.06										
8800																				

NOTES:

If high static fan is needed it should be ordered as factory installed.
Air flow tables represent dry coil with filters installed; SCFM correction factor for wet coil is 4%.
Refer to the 'Airflow Adjustment' section on page 18 for airflow adjustments.
Measured at standard conditions of 29.92 mm Hg pressure and 68°F temperature.

APPENDIX A BLOWER PERFORMANCE DATA

MODELS: DSG2403DM, DSG2403DH, DSG2404DM, DSG2407DM, DSG2407DH
STANDARD STATIC TO 3.5HP (0.2-1.2 ESP)

CFM	0.2					0.4					0.6				
	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2
4800	638	574	31	0.47	0.42	710	648	33	0.59	0.53	774	716	34	0.70	0.65
5200	677	607	33	0.58	0.52	743	676	35	0.71	0.64	743	676	37	0.84	0.77
5600	715	640	36	0.72	0.64	777	704	38	0.85	0.77	777	704	40	0.99	0.91
6000	753	672	39	0.87	0.77	811	733	41	1.02	0.92	811	733	43	1.16	1.06
6400	791	705	42	1.04	0.92	846	762	45	1.20	1.08	846	762	47	1.36	1.24
6800	828	737	46	1.23	1.09	880	791	48	1.40	1.26	880	791	50	1.57	1.43
7200	865	770	50	1.43	1.28	915	821	52	1.63	1.46	915	821	54	1.80	1.63
7600	902	802	54	1.66	1.48	950	852	56	1.87	1.68	950	852	58	2.05	1.86
8000	938	834	58	1.91	1.70	985	883	60	2.13	1.91	985	883	62	2.32	2.10
8400	974	866	62	2.18	1.94	1020	914	65	2.41	2.16	1020	914	67	2.61	2.36
8800	1010	898	66	2.47	2.20	1055	946	69	2.71	2.43	1055	946	72	2.92	2.64
CFM	0.8					1					1.2				
	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2
4800	831	778	36	0.83	0.78	883	831	38	0.96	0.91	933	879	40	1.11	1.05
5200	857	797	39	0.97	0.91	907	849	41	1.12	1.05	956	897	43	1.27	1.20
5600	884	818	42	1.14	1.05	932	868	44	1.29	1.20	980	916	46	1.46	1.36
6000	912	840	45	1.32	1.22	958	888	47	1.48	1.38	1005	936	49	1.66	1.54
6400	940	863	49	1.52	1.40	985	910	51	1.69	1.57	1031	957	53	1.88	1.74
6800	970	888	52	1.74	1.60	1013	934	54	1.92	1.77	1059	979	56	2.11	1.96
7200	1001	914	56	1.98	1.81	1043	958	58	2.17	1.99	1087	1003	60	2.37	2.18
7600	1033	941	60	2.24	2.04	1074	984	62	2.43	2.23	1116	1028	65	2.64	2.43
8000	1066	969	64	2.52	2.29	1106	1011	67	2.72	2.48	1146	1053	69	2.93	2.69
8400	1100	999	69	2.82	2.56	1139	1040	71	3.02	2.75	1177	1080	73	3.23	2.97
8800	1135	1030	74	3.13	2.84										

MODELS: DSG2403WM, DSG240WDH, DSG2404WM, DSG2407WM, DSG2407WH
STANDARD STATIC TO 5HP (0.8-2.2 ESP)

CFM	0.8					1					1.2					1.4				
	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2
5600	881	830	35	0.98	0.93	937	886	36	1.12	1.06	990	947	38	1.26	1.21	1039	1000	39	1.41	1.37
6000	907	849	37	1.11	1.03	960	905	38	1.25	1.18	1012	965	40	1.41	1.35	1060	1016	41	1.57	1.51
6400	934	869	39	1.25	1.16	985	924	40	1.40	1.31	1034	984	42	1.57	1.49	1082	1033	44	1.74	1.66
6800	962	890	41	1.41	1.30	1010	944	43	1.57	1.47	1058	1003	45	1.75	1.66	1104	1050	46	1.93	1.83
7200	991	913	44	1.59	1.47	1037	966	45	1.76	1.64	1083	1023	47	1.95	1.84	1128	1068	49	2.14	2.02
7600	1020	936	47	1.79	1.65	1064	988	48	1.97	1.83	1109	1044	50	2.17	2.03	1152	1087	52	2.36	2.22
8000	1050	960	50	2.02	1.85	1092	1010	51	2.20	2.03	1135	1065	53	2.40	2.24	1178	1106	55	2.60	2.44
8400	1080	986	53	2.26	2.07	1121	1034	54	2.45	2.26	1163	1086	56	2.66	2.47	1204	1126	58	2.86	2.67
8800	1112	1012	56	2.53	2.30	1151	1059	58	2.72	2.50	1191	1108	60	2.93	2.71					
CFM	1.6					1.8					2					2.2				
	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2	RPM1	RPM2	DDC%	BHP1	BHP2
5600	1088	1050	41	1.58	1.53	1136	1099	42	1.74	1.69	1182	1143	44	1.91	1.85	1227	1186	46	2.09	2.03
6000	1109	1065	43	1.74	1.68	1156	1113	45	1.91	1.84	1202	1158	46	2.09	2.02	1246	1201	48	2.28	2.20
6400	1130	1081	46	1.92	1.84	1176	1128	47	2.10	2.01	1222	1173	49	2.29	2.20	1265	1216	50	2.48	2.39
6800	1152	1097	48	2.12	2.02	1197	1143	50	2.30	2.20	1243	1188	51	2.50	2.39	1285	1231	53	2.70	2.59
7200	1174	1114	51	2.33	2.22	1219	1159	52	2.52	2.39	1263	1203	54	2.72	2.59	1304	1246	56	2.93	2.80
7600	1198	1132	54	2.56	2.42	1241	1175	55	2.75	2.60	1284	1218	57	2.96	2.81	1323	1261	59	3.17	3.02
8000	1222	1150	57	2.81	2.64	1263	1191	58	3.00	2.83	1305	1234	60	3.21	3.04	1343	1276	62	3.43	3.26
8400	1246	1169	60	3.07	2.88	1286	1208	61	3.27	3.06										
8800																				

NOTES:

If high static fan is needed it should be ordered as factory installed.
Air flow tables represent dry coil with filters installed; SCFM correction factor for wet coil is 4%.
Refer to the 'Airflow Adjustment' section on page 18 for airflow adjustments.
Measured at standard conditions of 29.92 mm Hg pressure and 68°F temperature.

APPENDIX A ECONOMIZER PRESSURE DROP

Airflow Pressure Drop of Downflow Economizer for 15 to 25 Ton Rooftop Units (100% Return Air)												
SCFM	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
(In WG)	0.15	0.18	0.22	0.27	0.32	0.37	0.42	0.48	0.55	0.61	0.69	0.76

APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered	Power Exhaust	Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	FLA	MCA	MOP
DSG1803D	208/230/3/60	2	25.0	178.5	3	0.33	2.0	2	3.5	10.9	-	-	-	-	-	-	84.1/84.1	100/100
											-	-	-	-	4.8	-	88.9/88.9	110/110
											-	-	-	-	-	13.9	98.0/98.0	110/110
											-	-	-	9.6/8.7	-	-	93.7/92.8	110/110
											-	-	-	9.6/8.7	4.8	-	98.5/97.6	110/110
											-	-	-	9.6/8.7	-	13.9	108/107	125/125
DSG1803W	208/230/3/60	2	25.0	178.5	3	0.33	2.0	2	5.0	14.5	-	-	-	-	-	-	91.3/91.3	110/110
											-	-	-	-	4.8	-	96.1/96.1	110/110
											-	-	-	-	-	13.9	105/105	125/125
											-	-	-	9.6/8.7	-	-	101/100	125/125
											-	-	-	9.6/8.7	4.8	-	106/105	125/125
											-	-	-	9.6/8.7	-	13.9	115/114	125/125
DSG1804D	460/3/60	2	10.9	103	3	0.33	0.85	2	3.5	7.2	-	-	-	-	-	-	41.4	50
											-	-	-	-	2.4	-	43.8	50
											-	-	-	-	-	8.1	49.5	60
											-	-	-	4.3	-	-	45.7	50
											-	-	-	4.3	2.4	-	48.1	50
											-	-	-	4.3	-	8.1	53.8	60
DSG1804W	460/3/60	2	10.9	103	3	0.33	0.85	2	5.0	10.6	-	-	-	-	-	-	48.2	50
											-	-	-	-	2.4	-	50.6	60
											-	-	-	-	-	8.1	56.3	60
											-	-	-	4.3	-	-	52.5	60
											-	-	-	4.3	2.4	-	54.9	60
											-	-	-	4.3	-	8.1	60.6	70
DSG1807D	575/3/60	2	8.4	78.0	3	0.33	0.67	2	3.5	5.0	-	-	-	-	-	-	31.0	35
											-	-	-	-	2.0	-	33.0	40
											-	-	-	-	-	8.3	39.3	45
											-	-	-	3.5	-	-	34.5	40
											-	-	-	3.5	2.0	-	36.5	40
											-	-	-	3.5	-	8.3	42.8	50
DSG1807W	575/3/60	2	8.4	78.0	3	0.33	0.67	2	5.0	7.2	-	-	-	-	-	-	35.4	40
											-	-	-	-	2.0	-	37.4	45
											-	-	-	-	-	8.3	43.7	50
											-	-	-	3.5	-	-	38.9	45
											-	-	-	3.5	2.0	-	40.9	45
											-	-	-	3.5	-	8.3	47.2	50
DSG2403D	208/230/3/60	2	29.4	225	4	0.5	2.7	2	3.5	10.9	-	-	-	-	-	-	98.7/98.7	125/125
											-	-	-	-	4.8	-	103/103	125/125
											-	-	-	-	-	13.9	113/113	125/125
											-	-	-	9.6/8.7	-	-	108/107	125/125
											-	-	-	9.6/8.7	4.8	-	113/112	125/125
											-	-	-	9.6/8.7	-	13.9	122/121	150/150

APPENDIX B ELECTRICAL DATA

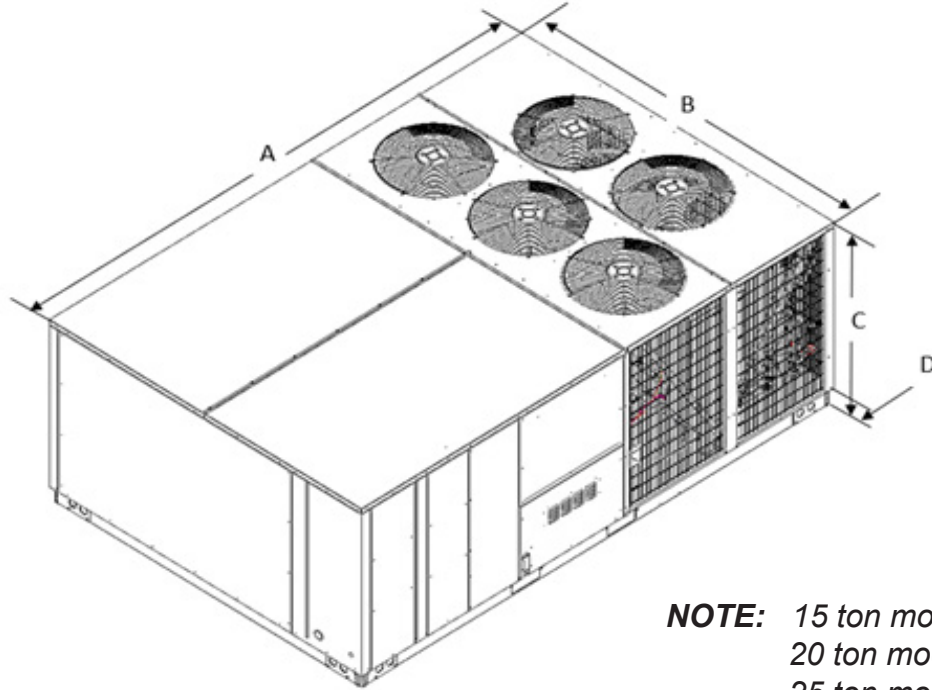
Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered	Power Exhaust	Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	FLA	MCA	MOP
DSG2403W	208/230/3/60	2	29.4	225	4	0.5	2.7	2	5.0	14.5	-	-	-	-	-	-	106/106	125/125
											-	-	-	-	4.8	-	111/111	125/125
											-	-	-	-	-	13.9	120/120	125/125
											-	-	-	9.6/8.7	-	-	115/115	125/125
											-	-	-	9.6/8.7	4.8	-	120/119	125/125
											-	-	-	9.6/8.7	-	13.9	129/128	150/150
DSG2404D	460/3/60	2	13.7	130	4	0.5	1.4	2	3.5	7.2	-	-	-	-	-	-	50.8	60
											-	-	-	-	2.4	-	53.2	60
											-	-	-	-	-	8.1	58.9	70
											-	-	-	4.3	-	-	55.1	60
											-	-	-	4.3	2.4	-	57.5	70
											-	-	-	4.3	-	8.1	63.2	70
DSG2404W	460/3/60	2	13.7	130	4	0.5	1.4	2	5.0	10.6	-	-	-	-	-	-	57.6	70
											-	-	-	-	2.4	-	60.0	70
											-	-	-	-	-	8.1	65.7	70
											-	-	-	4.3	-	-	61.9	70
											-	-	-	4.3	2.4	-	64.3	70
											-	-	-	4.3	-	8.1	70.0	80
DSG2407D	575/3/60	2	10.9	93.7	4	0.5	1.0	2	3.5	5.0	-	-	-	-	-	-	38.5	45
											-	-	-	-	2.0	-	40.5	50
											-	-	-	-	-	8.3	46.8	50
											-	-	-	3.5	-	-	42.0	50
											-	-	-	3.5	2.0	-	44.0	50
											-	-	-	3.5	-	8.3	50.3	60
DSG2407W	575/3/60	2	10.9	93.7	4	0.5	1.0	2	5.0	7.2	-	-	-	-	-	-	42.9	50
											-	-	-	-	2.0	-	44.9	50
											-	-	-	-	-	8.3	51.2	60
											-	-	-	3.5	-	-	46.4	50
											-	-	-	3.5	2.0	-	48.4	50
											-	-	-	3.5	-	8.3	54.7	60
DSG3003D	208/230/3/60	2	48.3	335.5	5	0.5	2.7	2	5.0	14.5	-	-	-	-	-	-	151/151	175/175
											-	-	-	-	4.8	-	156/156	200/200
											-	-	-	-	-	13.9	165/165	200/200
											-	-	-	9.6/8.7	-	-	161/160	200/200
											-	-	-	9.6/8.7	4.8	-	166/165	200/200
											-	-	-	9.6/8.7	-	13.9	175/174	200/200
DSG3003W	208/230/3/60	2	48.3	335.5	5	0.5	2.7	2	5.0	14.5	-	-	-	-	-	-	151/151	175/175
											-	-	-	-	4.8	-	156/156	200/200
											-	-	-	-	-	13.9	165/165	200/200
											-	-	-	9.6/8.7	-	-	161/160	200/200
											-	-	-	9.6/8.7	4.8	-	166/165	200/200
											-	-	-	9.6/8.7	-	13.9	175/174	200/200

APPENDIX B ELECTRICAL DATA

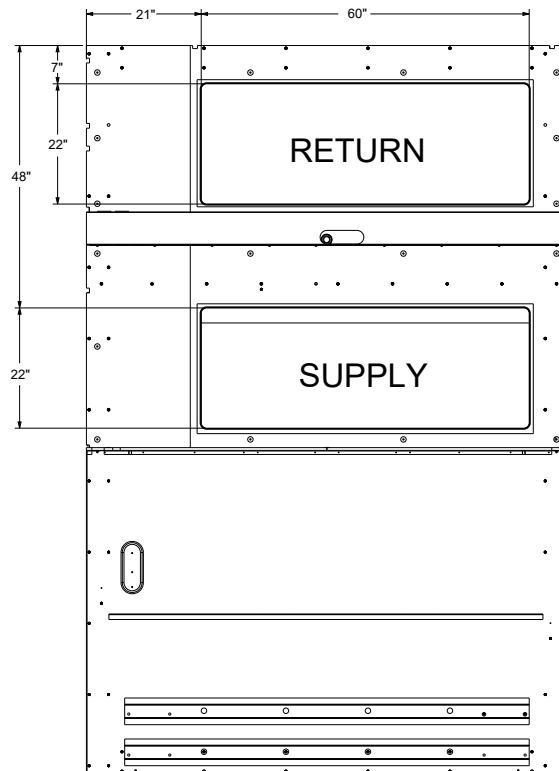
Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered	Power Exhaust	Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	FLA	MCA	MOP
DSG3004D	460/3/60	2	20.5	147	5	0.5	1.4	2	5.0	10.6	-	-	-	-	-	-	74.3	90
											-	-	-	-	2.4	-	76.7	90
											-	-	-	-	-	8.1	82.4	100
											-	-	-	4.3	-	-	78.6	90
											-	-	-	4.3	2.4	-	81.0	100
											-	-	-	4.3	-	8.1	86.7	100
DSG3004W	460/3/60	2	20.5	147	5	0.5	1.4	2	5.0	10.6	-	-	-	-	-	-	74.3	90
											-	-	-	-	2.4	-	76.7	90
											-	-	-	-	-	8.1	82.4	100
											-	-	-	4.3	-	-	78.6	90
											-	-	-	4.3	2.4	-	81.0	100
											-	-	-	4.3	-	8.1	86.7	100
DSG3007D	575/3/60	2	13.8	109	5	0.5	1.0	2	5.0	7.2	-	-	-	-	-	-	50.4	60
											-	-	-	-	2.0	-	52.4	60
											-	-	-	-	-	8.3	58.7	70
											-	-	-	3.5	-	-	53.9	60
											-	-	-	3.5	2.0	-	55.9	60
											-	-	-	3.5	-	8.3	62.2	70
DSG3007W	575/3/60	2	13.8	109	5	0.5	1.0	2	5.0	7.2	-	-	-	-	-	-	50.4	60
											-	-	-	-	2.0	-	52.4	60
											-	-	-	-	-	8.3	58.7	70
											-	-	-	3.5	-	-	53.9	60
											-	-	-	3.5	2.0	-	55.9	60
											-	-	-	3.5	-	8.3	62.2	70

APPENDIX C UNIT DIMENSIONS

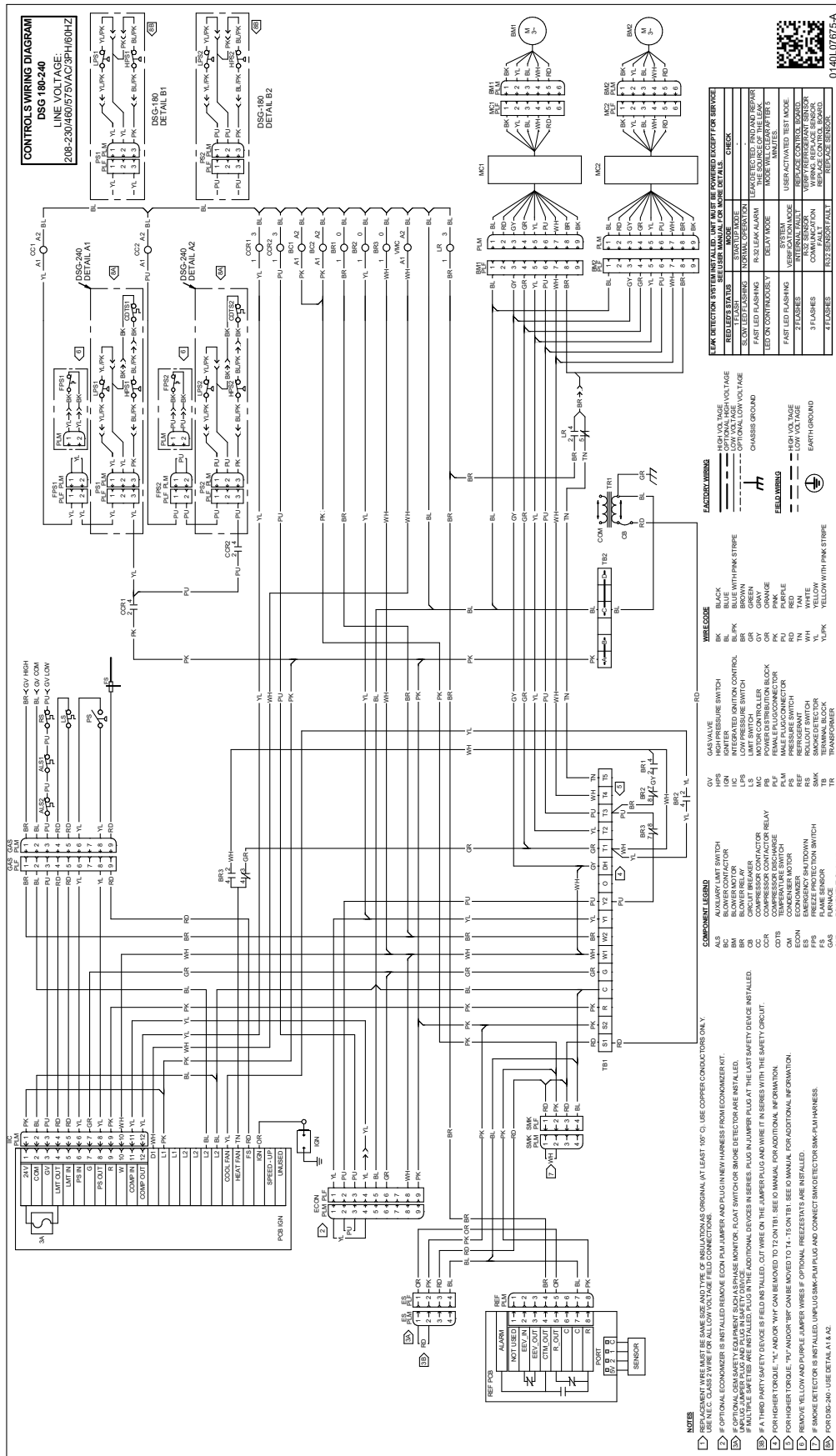
Model	A	B	C	D
15 Ton	133 - 7/8"	88 - 1/2"	51 - 11/16"	5 - 5/32"
20 Ton 25 Ton	133 - 7/8"	88 - 1/2"	51	5 - 5/32"

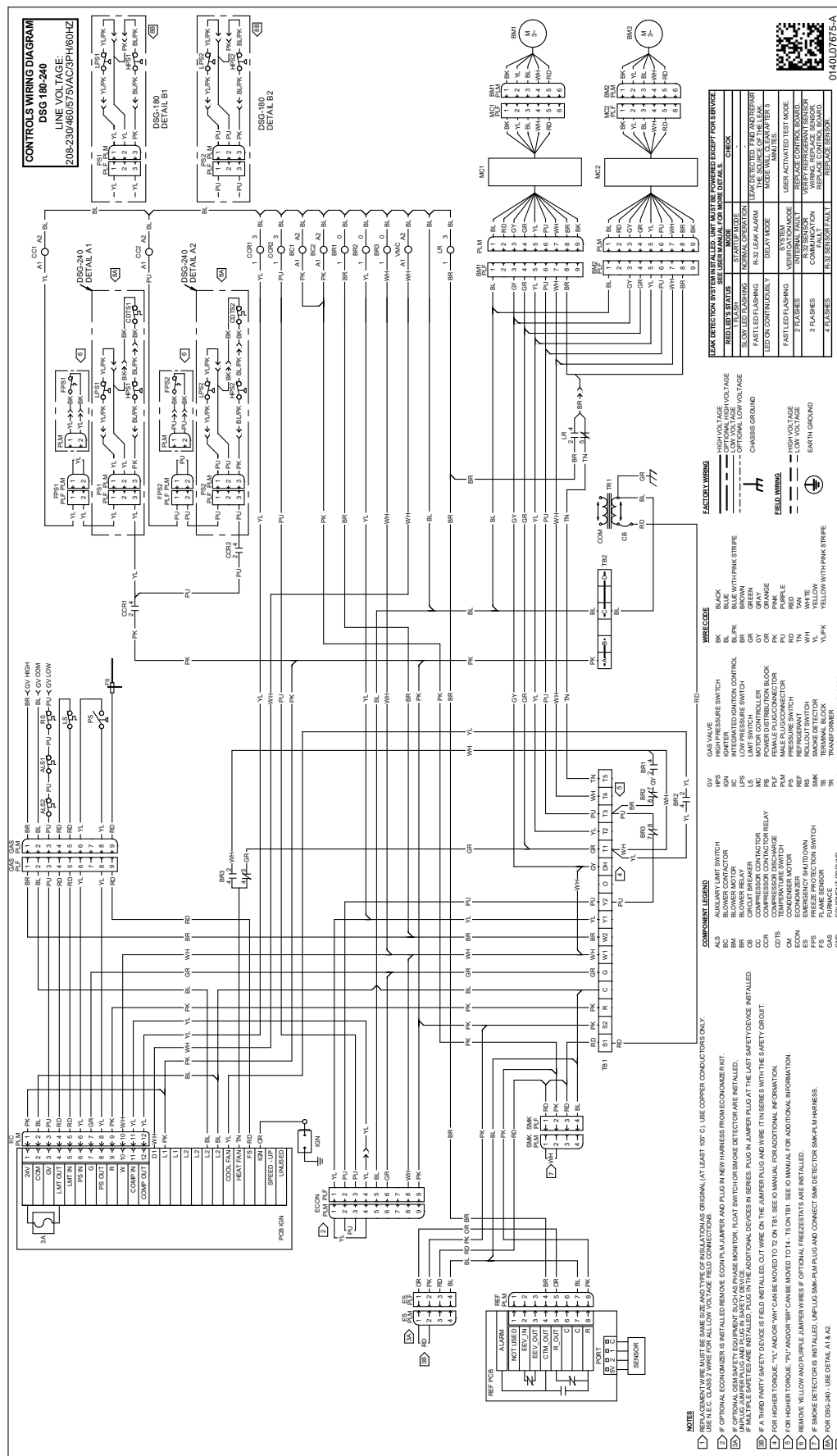


NOTE: 15 ton models have 3 fans.
20 ton models have 4 fans
25 ton models have 5 fans



Vertical Discharge (Top View)





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.

POWER WIRING DIAGRAM
DSG300*

LINE VOLTAGE
 208-230/460/575/3PH/60HZ

014K07972-A

NOTES

- REPAIR/REPLACE WIRE MUST BE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (AT LEAST 105° C). USE COPPER CONDUCTORS ONLY.
- USE N.E.C. CLASS 2 WIRE FOR ALL LOW VOLTAGE FIELD CONNECTIONS.
- TR1 PRIMARY (HIGH VOLTAGE) CONNECTIONS: GRAY WIRE CONNECTED TO 240V/208V TAP ON THE FACTORY AND BLACK WIRES TO 120V TAP ON BOTH TRANSFORMERS.
- SEE CONTROL DIAGRAM FOR CONTROL TRANSFORMER, LOW VOLTAGE CONNECTIONS
- FUSE BLOCKS ARE OPTIONAL.
- IF LINE VOLTAGE IS 460/575V, INSTALL STEP-DOWN TRANSFORMER AND CONNECT BLACK WIRE FROM VMC-1 TO RED WIRE ON TR2.

COMPONENT LEGEND

BC	BLOWER CONTACTOR
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
CC1	COMPRESSOR CONTACTOR HEATER
CC2	COMPRESSOR CONTACTOR HEATER
CC3	COMPRESSOR CONTACTOR HEATER
CC4	COMPRESSOR CONTACTOR HEATER
CC5	COMPRESSOR CONTACTOR HEATER
CC6	COMPRESSOR CONTACTOR HEATER
CC7	COMPRESSOR CONTACTOR HEATER
CC8	COMPRESSOR CONTACTOR HEATER
CC9	COMPRESSOR CONTACTOR HEATER
CC10	COMPRESSOR CONTACTOR HEATER
CC11	COMPRESSOR CONTACTOR HEATER
CC12	COMPRESSOR CONTACTOR HEATER
CC13	COMPRESSOR CONTACTOR HEATER
CC14	COMPRESSOR CONTACTOR HEATER
CC15	COMPRESSOR CONTACTOR HEATER
CC16	COMPRESSOR CONTACTOR HEATER
CC17	COMPRESSOR CONTACTOR HEATER
CC18	COMPRESSOR CONTACTOR HEATER
CC19	COMPRESSOR CONTACTOR HEATER
CC20	COMPRESSOR CONTACTOR HEATER
CC21	COMPRESSOR CONTACTOR HEATER
CC22	COMPRESSOR CONTACTOR HEATER
CC23	COMPRESSOR CONTACTOR HEATER
CC24	COMPRESSOR CONTACTOR HEATER
CC25	COMPRESSOR CONTACTOR HEATER
CC26	COMPRESSOR CONTACTOR HEATER
CC27	COMPRESSOR CONTACTOR HEATER
CC28	COMPRESSOR CONTACTOR HEATER
CC29	COMPRESSOR CONTACTOR HEATER
CC30	COMPRESSOR CONTACTOR HEATER
CC31	COMPRESSOR CONTACTOR HEATER
CC32	COMPRESSOR CONTACTOR HEATER
CC33	COMPRESSOR CONTACTOR HEATER
CC34	COMPRESSOR CONTACTOR HEATER
CC35	COMPRESSOR CONTACTOR HEATER
CC36	COMPRESSOR CONTACTOR HEATER
CC37	COMPRESSOR CONTACTOR HEATER
CC38	COMPRESSOR CONTACTOR HEATER
CC39	COMPRESSOR CONTACTOR HEATER
CC40	COMPRESSOR CONTACTOR HEATER
CC41	COMPRESSOR CONTACTOR HEATER
CC42	COMPRESSOR CONTACTOR HEATER
CC43	COMPRESSOR CONTACTOR HEATER
CC44	COMPRESSOR CONTACTOR HEATER
CC45	COMPRESSOR CONTACTOR HEATER
CC46	COMPRESSOR CONTACTOR HEATER
CC47	COMPRESSOR CONTACTOR HEATER
CC48	COMPRESSOR CONTACTOR HEATER
CC49	COMPRESSOR CONTACTOR HEATER
CC50	COMPRESSOR CONTACTOR HEATER
CC51	COMPRESSOR CONTACTOR HEATER
CC52	COMPRESSOR CONTACTOR HEATER
CC53	COMPRESSOR CONTACTOR HEATER
CC54	COMPRESSOR CONTACTOR HEATER
CC55	COMPRESSOR CONTACTOR HEATER
CC56	COMPRESSOR CONTACTOR HEATER
CC57	COMPRESSOR CONTACTOR HEATER
CC58	COMPRESSOR CONTACTOR HEATER
CC59	COMPRESSOR CONTACTOR HEATER
CC60	COMPRESSOR CONTACTOR HEATER
CC61	COMPRESSOR CONTACTOR HEATER
CC62	COMPRESSOR CONTACTOR HEATER
CC63	COMPRESSOR CONTACTOR HEATER
CC64	COMPRESSOR CONTACTOR HEATER
CC65	COMPRESSOR CONTACTOR HEATER
CC66	COMPRESSOR CONTACTOR HEATER
CC67	COMPRESSOR CONTACTOR HEATER
CC68	COMPRESSOR CONTACTOR HEATER
CC69	COMPRESSOR CONTACTOR HEATER
CC70	COMPRESSOR CONTACTOR HEATER
CC71	COMPRESSOR CONTACTOR HEATER
CC72	COMPRESSOR CONTACTOR HEATER
CC73	COMPRESSOR CONTACTOR HEATER
CC74	COMPRESSOR CONTACTOR HEATER
CC75	COMPRESSOR CONTACTOR HEATER
CC76	COMPRESSOR CONTACTOR HEATER
CC77	COMPRESSOR CONTACTOR HEATER
CC78	COMPRESSOR CONTACTOR HEATER
CC79	COMPRESSOR CONTACTOR HEATER
CC80	COMPRESSOR CONTACTOR HEATER
CC81	COMPRESSOR CONTACTOR HEATER
CC82	COMPRESSOR CONTACTOR HEATER
CC83	COMPRESSOR CONTACTOR HEATER
CC84	COMPRESSOR CONTACTOR HEATER
CC85	COMPRESSOR CONTACTOR HEATER
CC86	COMPRESSOR CONTACTOR HEATER
CC87	COMPRESSOR CONTACTOR HEATER
CC88	COMPRESSOR CONTACTOR HEATER
CC89	COMPRESSOR CONTACTOR HEATER
CC90	COMPRESSOR CONTACTOR HEATER
CC91	COMPRESSOR CONTACTOR HEATER
CC92	COMPRESSOR CONTACTOR HEATER
CC93	COMPRESSOR CONTACTOR HEATER
CC94	COMPRESSOR CONTACTOR HEATER
CC95	COMPRESSOR CONTACTOR HEATER
CC96	COMPRESSOR CONTACTOR HEATER
CC97	COMPRESSOR CONTACTOR HEATER
CC98	COMPRESSOR CONTACTOR HEATER
CC99	COMPRESSOR CONTACTOR HEATER
CC100	COMPRESSOR CONTACTOR HEATER

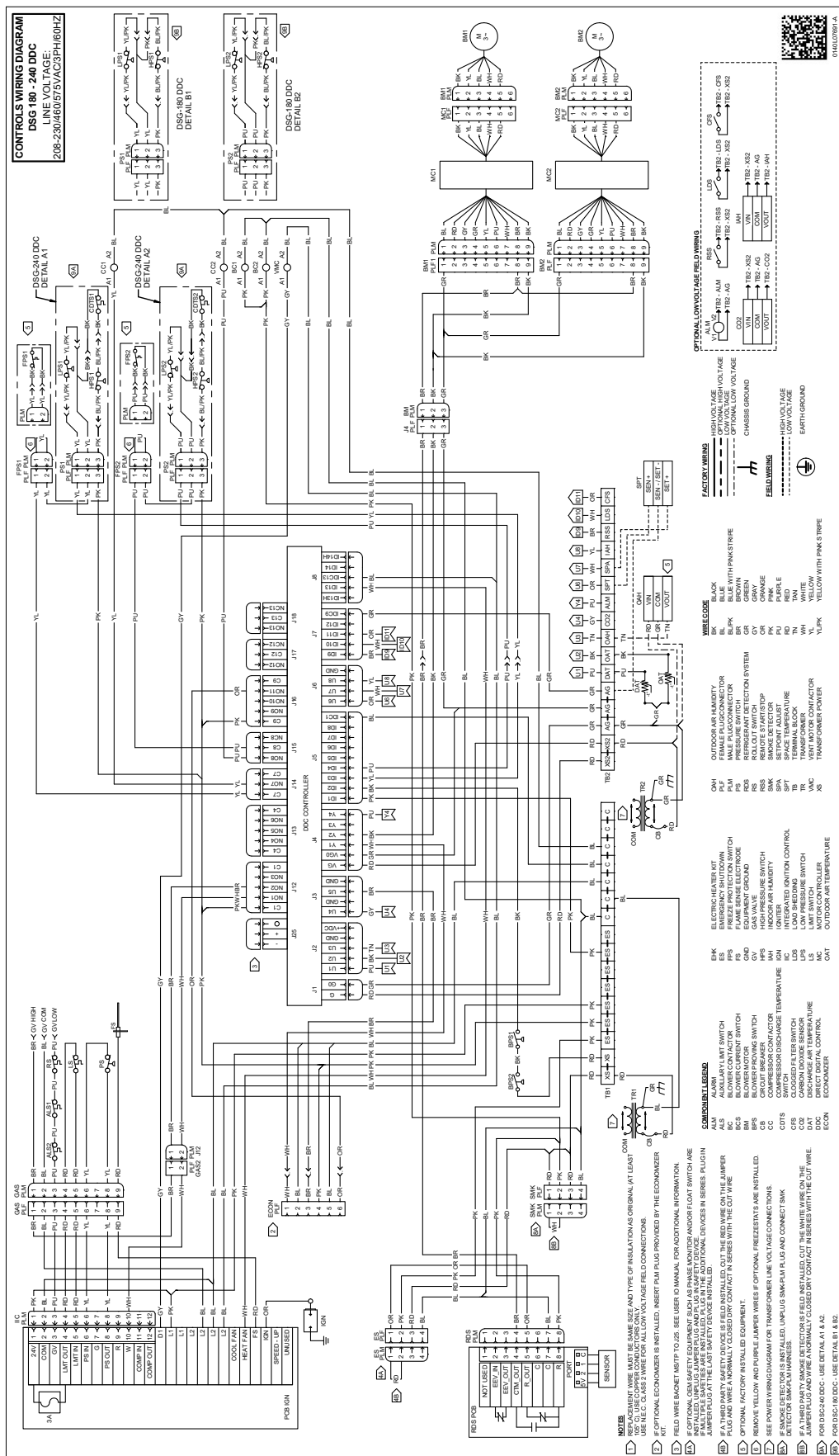
WIRE CODE

F	FUSE BLOCK
FC	FAN CAPACITOR
FC1	FAN CAPACITOR
FC2	FAN CAPACITOR
FC3	FAN CAPACITOR
FC4	FAN CAPACITOR
FC5	FAN CAPACITOR
FC6	FAN CAPACITOR
FC7	FAN CAPACITOR
FC8	FAN CAPACITOR
FC9	FAN CAPACITOR
FC10	FAN CAPACITOR
FC11	FAN CAPACITOR
FC12	FAN CAPACITOR
FC13	FAN CAPACITOR
FC14	FAN CAPACITOR
FC15	FAN CAPACITOR
FC16	FAN CAPACITOR
FC17	FAN CAPACITOR
FC18	FAN CAPACITOR
FC19	FAN CAPACITOR
FC20	FAN CAPACITOR
FC21	FAN CAPACITOR
FC22	FAN CAPACITOR
FC23	FAN CAPACITOR
FC24	FAN CAPACITOR
FC25	FAN CAPACITOR
FC26	FAN CAPACITOR
FC27	FAN CAPACITOR
FC28	FAN CAPACITOR
FC29	FAN CAPACITOR
FC30	FAN CAPACITOR
FC31	FAN CAPACITOR
FC32	FAN CAPACITOR
FC33	FAN CAPACITOR
FC34	FAN CAPACITOR
FC35	FAN CAPACITOR
FC36	FAN CAPACITOR
FC37	FAN CAPACITOR
FC38	FAN CAPACITOR
FC39	FAN CAPACITOR
FC40	FAN CAPACITOR
FC41	FAN CAPACITOR
FC42	FAN CAPACITOR
FC43	FAN CAPACITOR
FC44	FAN CAPACITOR
FC45	FAN CAPACITOR</

WARNING

HIGH VOLTAGE!

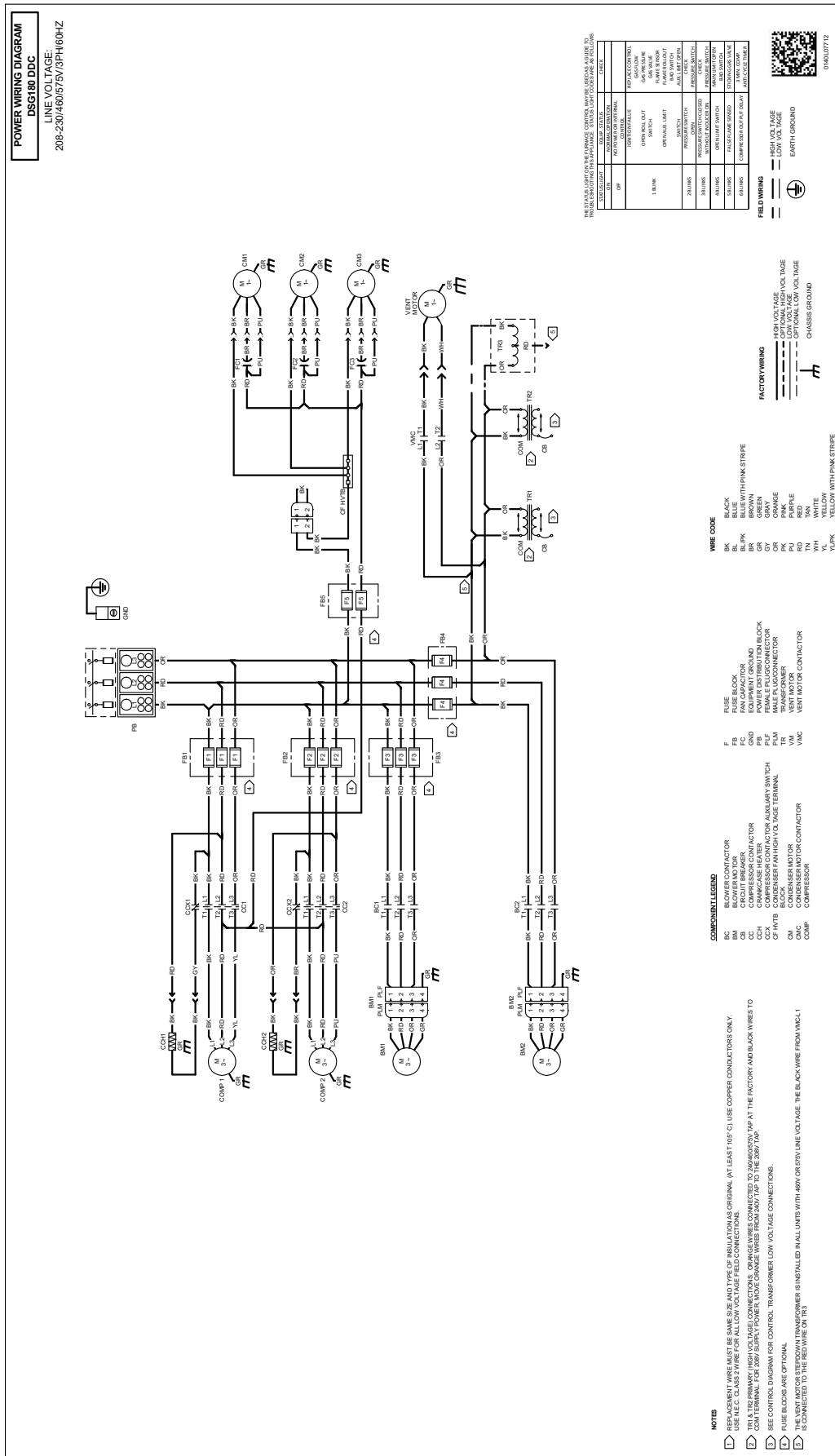
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



WARNING

HIGH VOLTAGE!

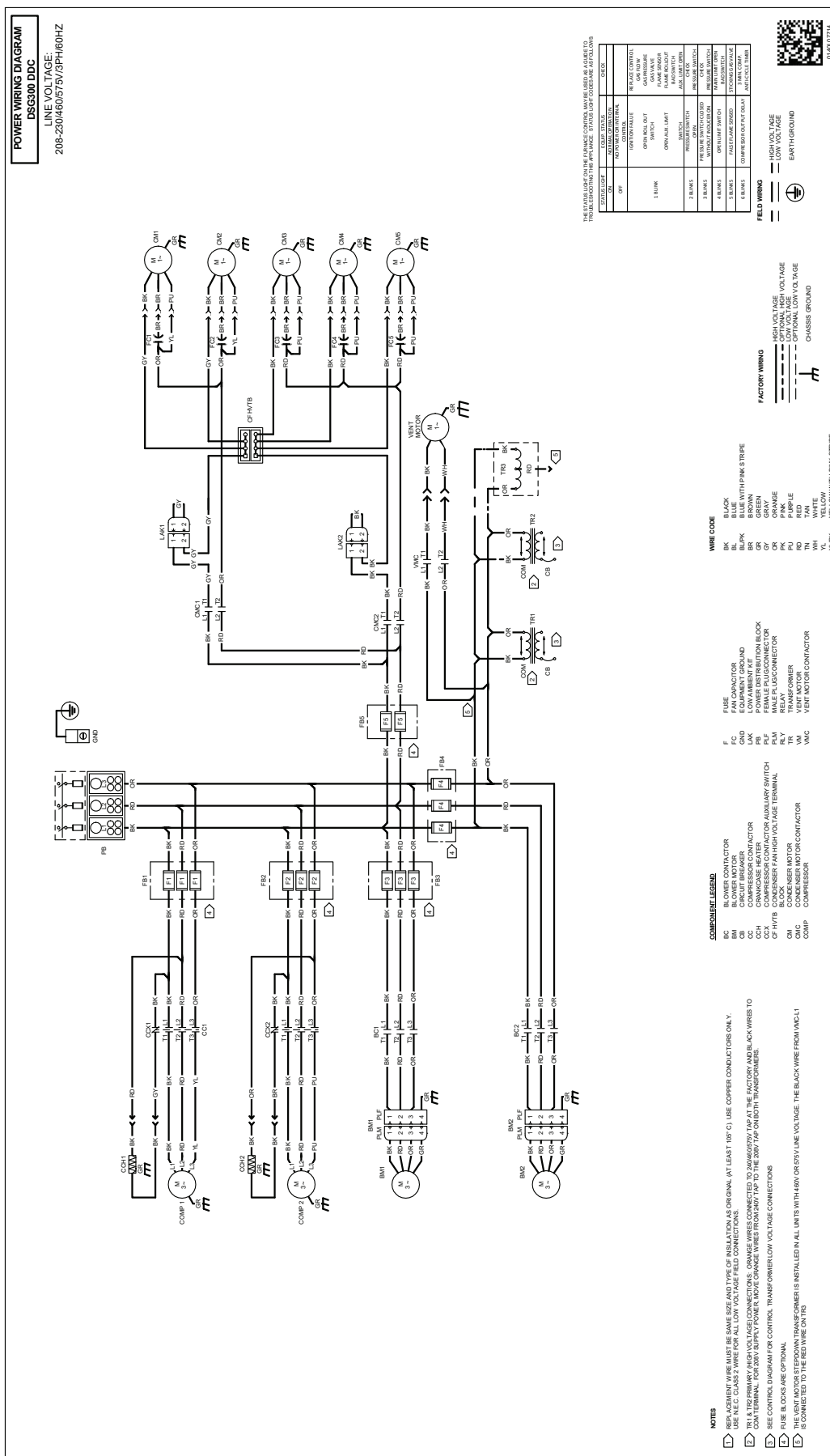
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



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.





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

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

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.

