



DP14GM COMMERCIAL

Cooling Capacities:
34,200 to 57,000 BTU/h

Heating Capacities:
80,000 BTU/h to 120,000 BTU/h

3 - 5 TON, THREE-PHASE
PACKAGED GAS/ELECTRIC

14 SEER / 81% AFUE



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■ Standard Features

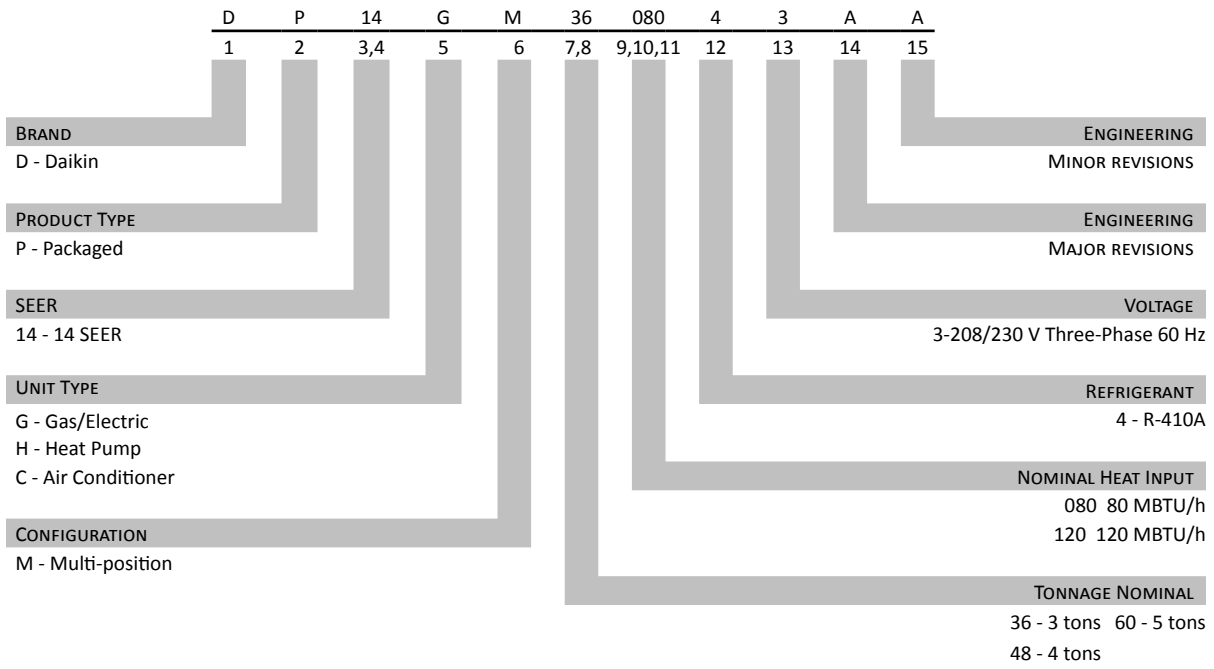
- Energy-efficient compressor with internal relief valve
- Multi-speed EEM blower motor.
- Heavy duty stainless steel heat exchanger
- Fully charged R-410A system
- Copper tube / aluminum fin condenser coils
- All-aluminum evaporator coils
- Gas valve for natural gas with easy conversion to propane
- Direct-spark ignition system includes a microprocessor-based control for the entire ignition sequence
- All blower operation and all safety circuits complete with self-diagnostics
- All models comply with California Low NOx emission standards
- For installation in California's South Coast Air Quality Management District (SCAQMD) only: This furnace does not meet the SCAQMD Rule 1111 14 ng/J NOx emission limit, and thus is subject to a mitigation fee of up to \$450. This furnace is not eligible for the SCAQMD Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.
- AHRI Certified; ETL Certified
- Flow-rater expansion device on 3 and 4 ton units, TXV expansion device on 5-ton units.

■ Cabinet Features

- Heavy-gauge galvanized-steel cabinet with Nickel Gray powder-paint finish
- Fully insulated blower compartment with convenient access panels
- Louvered condenser coil protection
- One footprint; two heights
- Bottom 2" high base rails for easier handling
- Fully insulated cabinet
- Horizontal and down-flow applications.



NOMENCLATURE



	DP14GM36 08043A*	DP14GM48 08043A*	DP14GM61 08043A*	DP14GM61 12043A*
COOLING CAPACITY				
Total BTU/h	34,200	46,500	57,000	57,000
Sensible BTU/h	27,000	36,800	42,000	42,000
SEER / EER	14.0 / 11.0	14.0 / 11.0	14.0 / 11	14.0 / 11
Decibels	78	80	78	78
AHRI #s	9956309	9956310	9956311	9956311
HEATING CAPACITY				
Input BTU/h	80,000	80,000	High-fire Input / Output 80,000 / 64,800	High-fire Input / Output 120,000 / 97,200
Output BTU/h	64,800	64,800	Low-fire Input / Output 60,000 / 48,600	Low-fire Input / Output 90,000 / 72,900
AFUE	81	81	81	81
Temperature Rise Range	30 - 60	30 - 60	30 - 60	35 - 65
No. of Burners	4	4	4	6
Orifice Size (Natural/Propane)	45 / 1.25MM	45 / 1.25MM	45 / 1.25MM	45 / 1.25MM
EVAPORATOR MOTOR / COIL				
Type	EEM	EEM	EEM	EEM
Wheel (D x W)	10" x 9"	11" x 10"	11" x 10"	11" x 10"
Indoor Nominal CFM	1,200	1,525	1,750	1,750
Motor Speed Tap (Cooling)	T4	T4	T3 L / T4 H	T3 L / T4 H
RPM/Amps (Cooling)	1050/3.9	1,050/5.7	1,050/7.0	1,050/7.0
Horsepower	1/2	3/4	1	1
Face Area (ft ²)	4.3	5.7	5.7	5.7
Rows Deep/ Fins per Inch	4/14	4/14	4/14	4/14
Piston Size (Cooling)	0.068	0.078	TXV	TXV
Filter Size (ft ²)	4.4	5.1	6.0	6.0
Drain Size (NPT)	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	62	99	100	100
CONDENSER FAN				
Horsepower - RPM	1/4 - 830	1/4 - 1,075	1/3 - 1,122	1/3 - 1,122
Fan Diameter/ # of Fan Blades	22" / 3	22" / 3	22" / 3	22" / 3
Outdoor Nominal CFM	2,250	3,300	3,000	3,000
COIL				
Face Area (ft ²)	8.8	15.4	14.4	14.4
Rows Deep/ Fins per Inch	2/27	1/24	2/27	2/27
COMPRESSOR				
Quantity / Type	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Two	Two
Compressor RLA/LRA	9/71	13.1/83.1	16.2 / 110	16.2 / 110
ELECTRICAL DATA				
Voltage-Phase-Frequency	208/230-3	208/230-3	208/230-3	208/230-3
Indoor Blower FLA/ LRA	3.8/--	5.4	7.0	7.0
Outdoor Fan RLA/ LRA	1.5 / 3.0	1.4/ 2.9	2.0 / 4.40	2.0 / 4.40
Total Unit Amps	14.3	19.9	25.2	25.2
Min. Circuit Ampacity	16.6	23.2	29.3	29.3
Max. Overcurrent Protection	25 amps	35 amps	45 amps	45 amps
Entrance Size Power Supply	1½"	1½"	1½"	1½"
Entrance Size Control Voltage	¾"	¾"	¾"	¾"
OPERATING WEIGHT (LBS)				
	458	523	533	543
SHIP WEIGHT (LBS)				
	480	545	555	565

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed. Test data was used to calculate the MOP and MCA.

IDB	Airflow	Outdoor Ambient Temperature																											
		65				75				85				95				105				115							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	MBh	34.8	36.1	39.5	-	34.0	35.2	38.6	-	33.2	34.4	37.7	-	32.4	33.6	36.8	-	30.8	31.9	34.9	-	30.8	31.9	34.9	-	28.5	29.5	32.4	-
	S/T	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.90	0.75	0.52	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-
	ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
	kW	2.39	2.44	2.51	-	2.57	2.63	2.71	-	2.73	2.79	2.88	-	2.87	2.94	3.03	-	2.99	3.06	3.16	-	2.99	3.06	3.16	-	3.10	3.17	3.27	-
	Amps	10.0	10.2	10.5	-	10.7	10.9	11.2	-	11.5	11.7	12.1	-	12.2	12.5	12.8	-	12.9	13.2	13.6	-	12.9	13.2	13.6	-	13.6	13.9	14.3	-
	HI PR	249	268	283	-	280	301	318	-	318	342	361	-	362	390	412	-	407	438	463	-	407	438	463	-	450	484	512	-
	LO PR	111	119	129	-	118	125	137	-	122	130	142	-	129	137	149	-	135	143	157	-	135	143	157	-	139	148	162	-
	MBh	33.8	35.0	38.4	-	33.0	34.2	37.5	-	32.2	33.4	36.6	-	31.4	32.6	35.7	-	29.9	31.0	33.9	-	29.9	31.0	33.9	-	27.7	28.7	31.4	-
	S/T	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.87	0.72	0.50	-
	ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	20	17	13	-	19	16	12	-
kW	2.37	2.42	2.49	-	2.55	2.60	2.69	-	2.71	2.77	2.86	-	2.85	2.91	3.01	-	2.97	3.03	3.13	-	2.97	3.03	3.13	-	3.07	3.14	3.24	-	
Amps	9.9	10.1	10.4	-	10.6	10.8	11.1	-	11.4	11.6	12.0	-	12.1	12.4	12.7	-	12.8	13.1	13.5	-	12.8	13.1	13.5	-	13.5	13.8	14.2	-	
HI PR	247	265	280	-	277	298	315	-	315	339	358	-	359	386	407	-	403	434	458	-	403	434	458	-	446	480	507	-	
LO PR	110	117	128	-	117	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	133	142	155	-	138	147	160	-	
MBh	31.2	32.3	35.4	-	30.5	31.6	34.6	-	29.7	30.8	33.8	-	29.0	30.1	33.0	-	27.6	28.6	31.3	-	27.6	28.6	31.3	-	25.5	26.5	29.0	-	
S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	
ΔT	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	20	18	13	-	19	16	12	-	
kW	2.31	2.36	2.43	-	2.49	2.54	2.62	-	2.64	2.70	2.79	-	2.78	2.84	2.93	-	2.90	2.96	3.06	-	2.90	2.96	3.06	-	3.00	3.06	3.16	-	
Amps	9.7	9.9	10.1	-	10.3	10.6	10.9	-	11.1	11.4	11.7	-	11.8	12.1	12.4	-	12.5	12.7	13.1	-	12.5	12.7	13.1	-	13.1	13.4	13.8	-	
HI PR	239	258	272	-	269	289	305	-	305	329	347	-	348	374	395	-	391	421	445	-	391	421	445	-	432	465	491	-	
LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	143	-	129	138	150	-	129	138	150	-	134	142	155	-	

IDB	Airflow	Outdoor Ambient Temperature																											
		65				75				85				95				105				115							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
75	MBh	35.4	36.4	39.5	42.3	34.6	35.6	38.5	41.4	33.8	34.8	37.6	40.4	32.9	33.9	36.7	39.4	31.3	32.2	34.9	37.4	31.3	32.2	34.9	37.4	29.0	29.8	32.3	34.7
	S/T	0.90	0.81	0.61	0.39	0.93	0.84	0.63	0.41	0.96	0.86	0.65	0.42	0.99	0.88	0.67	0.43	1.00	0.92	0.69	0.45	1.00	0.92	0.69	0.45	1.00	0.93	0.70	0.45
	ΔT	22	20	17	11	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	22	20	17	12	20	19	16	11
	kW	2.41	2.46	2.53	2.62	2.59	2.65	2.73	2.82	2.75	2.81	2.90	3.00	2.90	2.96	3.06	3.16	3.02	3.09	3.19	3.30	3.02	3.09	3.19	3.30	3.12	3.19	3.30	3.41
	Amps	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.6	11.8	12.2	12.6	12.3	12.6	12.9	13.4	13.0	13.3	13.7	14.2	13.0	13.3	13.7	14.2	13.7	14.0	14.4	14.9
	HI PR	252	271	286	298	282	304	321	335	321	346	365	381	366	394	416	434	412	443	468	488	412	443	468	488	455	489	517	539
	LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	168	136	145	158	168	141	150	164	174
	MBh	34.4	35.4	38.3	41.1	33.6	34.6	37.4	40.2	32.8	33.7	36.5	39.2	32.0	32.9	35.6	38.2	30.4	31.3	33.8	36.3	30.4	31.3	33.8	36.3	28.1	29.0	31.4	33.7
	S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
	ΔT	23	21	17	12	23	21	18	12	23	21	18	12	23	22	18	12	23	21	17	12	23	21	17	12	22	20	16	11
kW	2.39	2.44	2.51	2.59	2.57	2.63	2.71	2.80	2.73	2.79	2.88	2.98	2.87	2.94	3.03	3.13	2.99	3.06	3.16	3.27	2.99	3.06	3.16	3.27	3.10	3.17	3.27	3.38	
Amps	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.5	11.7	12.1	12.5	12.2	12.5	12.8	13.3	12.9	13.2	13.6	14.1	12.9	13.2	13.6	14.1	13.6	13.9	14.3	14.8	
HI PR	249	268	283	295	280	301	318	331	318	342	361	377	362	390	412	429	408	439	463	483	408	439	463	483	450	485	512	534	
LO PR	112	119	130	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	157	167	135	143	157	167	139	148	162	172	
MBh	31.7	32.7	35.4	37.9	31.0	31.9	34.5	37.1	30.2	31.1	33.7	36.2	29.5	30.4	32.9	35.3	28.0	28.9	31.2	33.5	28.0	28.9	31.2	33.5	26.0	26.7	28.9	31.1	
S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41	
ΔT	23	21	18	12	24	22	18	12	24	22	18	12	24	22	18	12	23	22	18	12	23	22	18	12	22	20	17	11	
kW	2.33	2.38	2.45	2.53	2.51	2.56	2.64	2.73	2.66	2.72	2.81	2.90	2.80	2.86	2.96	3.05	2.92	2.98	3.08	3.18	2.92	2.98	3.08	3.18	3.02	3.09	3.19	3.30	
Amps	9.7	9.9	10.2	10.6	10.4	10.6	11.0	11.3	11.2	11.5	11.8	12.2	11.9	12.2	12.5	12.9	12.6	12.9	13.2	13.7	12.6	12.9	13.2	13.7	13.2	13.5	14.0	14.4	
HI PR	242	260	275	287	271	292	308	322	309	332	351	366	351	378	399	416	395	425	449	469	395	425	449	469	437	470	496	518	
LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	131	139	152	162	135	144	157	167	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings
 Shaded area reflects ACCA (TVA) conditions.
 Amps: Unit amps (comp. + evaporator + condenser fan motors)
 kW = Total system power

IDB	Airflow	65										75										85										95										105										115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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		59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203	207	211	215	219	223	227	231	235	239	243	247	251	255	259	263	267	271	275	279	283	287	291	295	299	303	307	311	315	319	323	327	331	335	339	343	347	351	355	359	363	367	371	375	379	383	387	391	395	399	403	407	411	415	419	423	427	431	435	439	443	447	451	455	459	463	467	471	475	479	483	487	491	495	499	503	507	511	515	519	523	527	531	535	539	543	547	551	555	559	563	567	571	575	579	583	587	591	595	599	603	607	611	615	619	623	627	631	635	639	643	647	651	655	659	663	667	671	675	679	683	687	691	695	699	703	707	711	715	719	723	727	731	735	739	743	747	751	755	759	763	767	771	775	779	783	787	791	795	799	803	807	811	815	819	823	827	831	835	839	843	847	851	855	859	863	867	871	875	879	883	887	891	895	899	903	907	911	915	919	923	927	931	935	939	943	947	951	955	959	963	967	971	975	979	983	987	991	995	999	1003	1007	1011	1015	1019	1023	1027	1031	1035	1039	1043	1047	1051	1055	1059	1063	1067	1071	1075	1079	1083	1087	1091	1095	1099	1103	1107	1111	1115	1119	1123	1127	1131	1135	1139	1143	1147	1151	1155	1159	1163	1167	1171	1175	1179	1183	1187	1191	1195	1199	1203	1207	1211	1215	1219	1223	1227	1231	1235	1239	1243	1247	1251	1255	1259	1263	1267	1271	1275	1279	1283	1287	1291	1295	1299	1303	1307	1311	1315	1319	1323	1327	1331	1335	1339	1343	1347	1351	1355	1359	1363	1367	1371	1375	1379	1383	1387	1391	1395	1399	1403	1407	1411	1415	1419	1423	1427	1431	1435	1439	1443	1447	1451	1455	1459	1463	1467	1471	1475	1479	1483	1487	1491	1495	1499	1503	1507	1511	1515	1519	1523	1527	1531	1535	1539	1543	1547	1551	1555	1559	1563	1567	1571	1575	1579	1583	1587	1591	1595	1599	1603	1607	1611	1615	1619	1623	1627	1631	1635	1639	1643	1647	1651	1655	1659	1663	1667	1671	1675	1679	1683	1687	1691	1695	1699	1703	1707	1711	1715	1719	1723	1727	1731	1735	1739	1743	1747	1751	1755	1759	1763	1767	1771	1775	1779	1783	1787	1791	1795	1799	1803	1807	1811	1815	1819	1823	1827	1831	1835	1839	1843	1847	1851	1855	1859	1863	1867	1871	1875	1879	1883	1887	1891	1895	1899	1903	1907	1911	1915	1919	1923	1927	1931	1935	1939	1943	1947	1951	1955	1959	1963	1967	1971	1975	1979	1983	1987	1991	1995	1999	2003	2007	2011	2015	2019	2023	2027	2031	2035	2039	2043	2047	2051	2055	2059	2063	2067	2071	2075	2079	2083	2087	2091	2095	2099	2103	2107	2111	2115	2119	2123	2127	2131	2135	2139	2143	2147	2151	2155	2159	2163	2167	2171	2175	2179	2183	2187	2191	2195	2199	2203	2207	2211	2215	2219	2223	2227	2231	2235	2239	2243	2247	2251	2255	2259	2263	2267	2271	2275	2279	2283	2287	2291	2295	2299	2303	2307	2311	2315	2319	2323	2327	2331	2335	2339	2343	2347	2351	2355	2359	2363	2367	2371	2375	2379	2383	2387	2391	2395	2399	2403	2407	2411	2415	2419	2423	2427	2431	2435	2439	2443	2447	2451	2455	2459	2463	2467	2471	2475	2479	2483	2487	2491	2495	2499	2503	2507	2511	2515	2519	2523	2527	2531	2535	2539	2543	2547	2551	2555	2559	2563	2567	2571	2575	2579	2583	2587	2591	2595	2599	2603	2607	2611	2615	2619	2623	2627	2631	2635	2639	2643	2647	2651	2655	2659	2663	2667	2671	2675	2679	2683	2687	2691	2695	2699	2703	2707	2711	2715	2719	2723	2727	2731	2735	2739	2743	2747	2751	2755	2759	2763	2767	2771	2775	2779	2783	2787	2791	2795	2799	2803	2807	2811	2815	2819	2823	2827	2831	2835	2839	2843	2847	2851	2855	2859	2863	2867	2871	2875	2879	2883	2887	2891	2895	2899	2903	2907	2911	2915	2919	2923	2927	2931	2935	2939	2943	2947	2951	2955	2959	2963	2967	2971	2975	2979	2983	2987	2991	2995	2999	3003	3007	3011	3015	3019	3023	3027	3031	3035	3039	3043	3047	3051	3055	3059	3063	3067	3071	3075	3079	3083	3087	3091	3095	3099	3103	3107	3111	3115	3119	3123	3127	3131	3135	3139	3143	3147	3151	3155	3159	3163	3167	3171	3175	3179	3183	3187	3191	3195	3199	3203	3207	3211	3215	3219	3223	3227	3231	3235	3239	3243	3247	3251	3255	3259	3263	3267	3271	3275	3279	3283	3287	3291	3295	3299	3303	3307	3311	3315	3319	3323	3327	3331	3335	3339	3343	3347	3351	3355	3359	3363	3367	3371	3375	3379	3383	3387	3391	3395	3399	3403	3407	3411	3415	3419	3423	3427	3431	3435	3439	3443	3447	3451	3455	3459	3463	3467	3471	3475	3479	3483	3487	3491	3495	3499	3503	3507	3511	3515	3519	3523	3527	3531	3535	3539	3543	3547	3551	3555	3559	3563	3567	3571	3575	3579	3583	3587	3591	3595	3599	3603	3607	3611	3615	3619	3623	3627	3631	3635	3639	3643	3647	3651	3655	3659	3663	3667	3671	3675	3679	3683	3687	3691	3695	3699	3703	3707	3711	3715	3719	3723	3727	3731	3735	3739	3743	3747	3751	3755	3759	3763	3767	3771	3775	3779	3783	3787	3791	3795	3799	3803	3807	3811	3815	3819	3823	3827	3831	3835	3839	3843	3847	3851	3855	3859	3863	3867	3871	3875	3879	3883	3887	3891	3895	3899	3903	3907	3911	3915	3919	3923	3927	3931	3935	3939	3943	3947	3951	3955	3959	3963	3967	3971	3975	3979	3983	3987	3991	3995	3999	4003	4007	4011	4015	4019	4023	4027	4031	4035	4039	4043	4047	4051	4055	4059	4063	4067	4071	4075	4079	4083	4087	4091	4095	4099	4103	4107	4111	4115	4119	4123	4127	4131	4135	4139	4143	4147	4151	4155	4159	4163	4167	4171	4175	4179	4183	4187	4191	4195	4199	4203	4207	4211	4215	4219	4223	4227	4231	4235	4239	4243	4247	4251	4255	4259	4263	4267	4271	4275	4279	4283	4287	4291	4295	4299	4303	4307	4311	4315	4319	4323	4327	4331	4335	4339	4343	4347	4351	4355	4359	4363	4367	4371	4375	4379	4383	4387	4391	4395	4399	4403	4407	4411	4415	4419	4423	4427	4431	4435	4439	4443	4447	4451	4455	4459	4463	4467	4471	4475	4479	4483	4487	4491	4495	4499	4503	4507	4511	4515	4519	4523	4527	4531	4535	4539	4543	4547	4551	4555	4559	4563	4567	4571	4575	4579	4583	4587	4591	4595	4599	4603	4607	4611	4615	4619	4623	4627	4631	4635	4639	4643	4647	4651	4655	4659	4663	4667	4671	4675	4679	4683	4687	4691	4695	4699	4703	4707	4711	4715	4719	4723	4727	4731	4735	4739	4743	4747	4751	4755	4759	4763	4767	4771	4775	4779	4783	4787	4791	4795	4799	4803	4807	4811	4815	4819	4823	4827	4831	4835	4839	4843	4847	4851	4855	4859	4863	4867	4871	4875	4879	4883	4887	4891	4895	4899	4903	4907	4911	4915	4919	4923	4927	4931	4935	4939	4943	4947	4951	4955	4959	4963	4967	4971	4975	4979	4983	4987	4991	4995	4999	5003	5007	5011	5015	5019	5023	5027	5031	5035	5039	5043	5047	5051	5055	5059	5063	5067	5071	5075	5079	5083	5087	5091	5095	5099	5103	5107	5111	5115	5119	5123	5127	5131	5135	5139	5143	5147	5151	5155	5159	5163	5167	5171	5175	5179	5183	5187	5191	5195	5199	5203	5207	5211	5215	5219	5223	5227	5231	5235	5239	5243	5247	5251	5255	5259	5263	5267	5271	5275	5279	5283	5287	5291	5295	5299	5303	5307	5311	5315	5319	5323	5327	5331	5335	5339	5343	5347	5351	5355	5359	5363	5367	5371	5375	5379	5383	5387	5391	5395	5399	5403	5407	5411	5415	5419	5423	5427	5431	5435	5439	5443	5447	5451	5455	5459	5463	5467	5471	5475	5479	5483	5487	5491	5495	5499	5503	5507	5511	5515	5519	5523	5527	5531	5535	5539	5543	5547	5551	5555	5559	5563

IDB	AIRFLOW	Outdoor Ambient Temperature												71	71	71	71	71	71	71	71	71	71	71												
		65				75				85															95				105				115			
		59	63	67	71	59	63	67	71	59	63	67	71												59	63	67	71	59	63	67	71	59	63	67	71
70	1717	MBh	45.9	47.5	52.1	-	44.8	46.4	50.9	-	43.7	45.3	49.7	-	42.7	44.2	48.5	-	40.5	42.0	46.0	-	37.6	38.9	42.6	-										
		S/T	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.91	0.76	0.53	-	0.92	0.77	0.53	-										
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-										
		kW	3.18	3.25	3.35	-	3.42	3.49	3.60	-	3.63	3.70	3.82	-	3.81	3.89	4.01	-	3.96	4.05	4.18	-	4.10	4.19	4.32	-										
		Amps	15.3	15.5	15.9	-	16.2	16.5	16.9	-	17.3	17.6	18.0	-	18.2	18.5	19.0	-	19.1	19.5	20.0	-	20.0	20.4	21.0	-										
		HI PR	254	273	288	-	285	306	324	-	324	348	368	-	369	397	419	-	415	446	471	-	458	493	521	-										
		LO PR	112	119	130	-	118	126	137	-	123	131	142	-	129	137	150	-	135	144	157	-	140	149	162	-										
		MBh	44.5	46.2	50.6	-	43.5	45.1	49.4	-	42.5	44.0	48.2	-	41.4	42.9	47.1	-	39.4	40.8	44.7	-	36.5	37.8	41.4	-										
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.83	0.70	0.48	-	0.87	0.72	0.50	-	0.87	0.73	0.51	-										
		ΔT	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	13	-	19	17	13	-										
	kW	3.16	3.22	3.32	-	3.39	3.46	3.57	-	3.60	3.67	3.79	-	3.78	3.86	3.98	-	3.93	4.02	4.15	-	4.07	4.15	4.29	-											
	Amps	15.2	15.4	15.8	-	16.1	16.4	16.8	-	17.1	17.5	17.9	-	18.0	18.4	18.9	-	19.0	19.3	19.8	-	19.9	20.2	20.8	-											
	HI PR	251	270	285	-	282	303	320	-	321	345	364	-	365	393	415	-	411	442	467	-	454	488	516	-											
	LO PR	111	118	128	-	117	124	136	-	121	129	141	-	128	136	148	-	134	142	155	-	138	147	161	-											
	MBh	41.1	42.6	46.7	-	40.2	41.6	45.6	-	39.2	40.6	44.5	-	38.2	39.6	43.4	-	36.3	37.7	41.3	-	33.7	34.9	38.2	-											
	S/T	0.73	0.61	0.42	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-											
	ΔT	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-											
	kW	3.09	3.15	3.25	-	3.31	3.38	3.49	-	3.51	3.59	3.70	-	3.69	3.77	3.89	-	3.84	3.92	4.04	-	3.97	4.05	4.18	-											
	Amps	14.9	15.1	15.5	-	15.7	16.0	16.4	-	16.8	17.1	17.5	-	17.7	18.0	18.5	-	18.5	18.9	19.4	-	19.4	19.8	20.3	-											
	HI PR	244	262	277	-	273	294	311	-	311	335	353	-	354	381	402	-	398	429	453	-	440	474	500	-											
	LO PR	107	114	125	-	113	121	132	-	118	125	137	-	124	132	144	-	130	138	151	-	134	143	156	-											
75	1717	MBh	46.7	48.0	52.0	55.8	45.6	46.9	50.8	54.5	44.5	45.8	49.6	53.2	43.4	44.7	48.4	51.9	41.2	42.4	45.9	49.3	38.2	39.3	42.6	45.7										
		S/T	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.96	0.86	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.92	0.70	0.45	1.00	0.93	0.70	0.45										
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	20	20	16	11										
		kW	3.21	3.27	3.37	3.48	3.45	3.52	3.63	3.74	3.66	3.73	3.85	3.97	3.84	3.92	4.05	4.18	4.00	4.08	4.21	4.35	4.13	4.22	4.36	4.50										
		Amps	15.4	15.6	16.0	16.5	16.3	16.6	17.0	17.5	17.4	17.7	18.2	18.7	18.3	18.7	19.2	19.7	19.2	19.6	20.1	20.8	20.2	20.6	21.1	21.8										
		HI PR	256	276	291	304	288	310	327	341	327	352	372	388	373	401	423	442	419	451	476	497	463	498	526	549										
		LO PR	113	120	131	140	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	169	141	150	164	175										
		MBh	45.3	46.6	50.5	54.2	44.2	45.6	49.3	52.9	43.2	44.5	48.1	51.7	42.1	43.4	47.0	50.4	40.0	41.2	44.6	47.9	37.1	38.2	41.3	44.3										
		S/T	0.87	0.77	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43	0.99	0.89	0.67	0.43										
		ΔT	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	13	24	22	18	12	22	20	17	12										
	kW	3.19	3.25	3.35	3.45	3.42	3.49	3.60	3.71	3.63	3.70	3.82	3.94	3.81	3.89	4.01	4.14	3.97	4.05	4.18	4.32	4.10	4.19	4.32	4.47											
	Amps	15.3	15.5	15.9	16.4	16.2	16.5	16.9	17.4	17.3	17.6	18.0	18.6	18.2	18.5	19.0	19.6	19.1	19.5	20.0	20.6	20.0	20.4	21.0	21.6											
	HI PR	254	273	288	301	285	306	324	338	324	349	368	384	369	397	419	437	415	447	472	492	459	493	521	543											
	LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	159	135	144	157	167	140	149	162	173											
	MBh	41.8	43.0	46.6	50.0	40.8	42.0	45.5	48.8	39.9	41.0	44.4	47.7	38.9	40.0	43.3	46.5	36.9	38.0	41.2	44.2	34.2	35.2	38.1	40.9											
	S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42											
	ΔT	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	13	22	21	17	12											
	kW	3.11	3.18	3.27	3.37	3.34	3.41	3.51	3.62	3.54	3.62	3.73	3.85	3.72	3.80	3.92	4.04	3.87	3.95	4.08	4.21	4.00	4.09	4.22	4.35											
	Amps	15.0	15.2	15.6	16.0	15.9	16.1	16.5	17.0	16.9	17.2	17.6	18.2	17.8	18.1	18.6	19.2	18.7	19.0	19.5	20.1	19.6	19.9	20.5	21.1											
	HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	457	477	445	479	505	527											
	LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	139	152	162	136	144	157	168											

IDB: Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) conditions
 Amperage: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

IDB		Outdoor Ambient Temperature																									
		65				75				85				95				105				115					
		Entering Indoor Wet Bulb Temperature																									
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	1717	MBh	47.5	48.5	51.8	55.4	46.4	47.4	50.6	54.1	45.3	46.3	49.4	52.8	44.2	45.1	48.2	51.5	42.0	42.9	45.8	49.0	38.9	39.7	42.4	45.4	
		S/T	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.65	1.00	1.00	0.87	0.65	
		ΔT	25	24	21	17	25	25	21	17	24	25	21	17	24	24	22	17	22	23	21	17	21	21	20	16	
		kW	3.23	3.30	3.40	3.51	3.47	3.55	3.66	3.77	3.68	3.76	3.88	4.01	3.87	3.95	4.08	4.21	4.03	4.12	4.25	4.39	4.17	4.26	4.40	4.54	
		Amps	15.5	15.8	16.1	16.6	16.4	16.7	17.1	17.6	17.5	17.8	18.3	18.8	18.4	18.8	19.3	19.9	19.4	19.8	20.3	20.9	20.3	20.7	21.3	21.9	
		HI PR	259	279	294	307	291	313	330	344	330	356	375	392	376	405	428	446	423	456	481	502	468	503	532	554	
		LO PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	153	163	138	147	160	170	143	152	166	176	
		1529	MBh	46.1	47.1	50.3	53.8	45.0	46.0	49.2	52.5	44.0	44.9	48.0	51.3	42.9	43.8	46.8	50.0	40.7	41.6	44.5	47.5	37.7	38.6	41.2	44.0
		S/T	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.79	0.59	1.00	1.00	0.82	0.62	1.00	1.00	0.83	0.62	
		ΔT	26	25	22	18	27	26	22	18	26	26	22	18	26	26	22	18	24	25	22	18	23	23	21	16	
	kW	3.21	3.28	3.37	3.48	3.45	3.52	3.63	3.74	3.66	3.73	3.85	3.97	3.84	3.92	4.05	4.18	4.00	4.08	4.21	4.35	4.13	4.22	4.36	4.50		
	Amps	15.4	15.6	16.0	16.5	16.3	16.6	17.0	17.5	17.4	17.7	18.2	18.7	18.3	18.7	19.2	19.7	19.2	19.6	20.1	20.8	20.2	20.6	21.1	21.8		
	HI PR	256	276	291	304	288	310	327	341	327	352	372	388	373	401	423	442	419	451	476	497	463	498	526	549		
	LO PR	113	120	131	140	119	127	138	148	124	132	144	153	130	138	151	161	136	145	158	169	141	150	164	175		
	1341	MBh	42.6	43.5	46.5	49.7	41.6	42.5	45.4	48.5	40.6	41.5	44.3	47.3	39.6	40.4	43.2	46.2	37.6	38.4	41.1	43.9	34.8	35.6	38.0	40.6	
	S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.04	0.98	0.80	0.59	1.05	0.98	0.80	0.60		
	ΔT	27	26	22	18	27	26	22	18	27	26	23	18	27	26	23	18	27	26	22	18	25	24	21	17		
	kW	3.14	3.20	3.30	3.40	3.37	3.44	3.54	3.65	3.57	3.64	3.76	3.88	3.75	3.83	3.95	4.08	3.90	3.98	4.11	4.25	4.03	4.12	4.25	4.39		
	Amps	15.1	15.3	15.7	16.1	16.0	16.3	16.7	17.1	17.0	17.3	17.8	18.3	17.9	18.3	18.7	19.3	18.8	19.2	19.7	20.3	19.7	20.1	20.6	21.3		
	HI PR	249	268	283	295	279	300	317	331	317	341	361	376	361	389	411	428	407	438	462	482	449	483	510	532		
	LO PR	109	116	127	135	116	123	134	143	120	128	140	149	126	134	147	156	132	141	154	164	137	146	159	169		
85	1717	MBh	48.3	49.2	51.6	55.0	47.2	48.1	50.4	53.7	46.1	47.0	49.2	52.5	44.9	45.8	48.0	51.2	42.7	43.5	45.6	48.6	39.5	40.3	42.2	45.0	
		S/T	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	0.99	0.81	
		ΔT	26	26	25	22	25	26	25	22	25	25	25	22	24	25	26	22	23	23	24	22	21	22	23	20	
		kW	3.26	3.33	3.43	3.53	3.50	3.57	3.68	3.80	3.71	3.79	3.91	4.04	3.90	3.99	4.11	4.25	4.06	4.15	4.28	4.43	4.20	4.29	4.43	4.58	
		Amps	15.6	15.9	16.3	16.7	16.5	16.8	17.3	17.8	17.6	18.0	18.4	19.0	18.6	18.9	19.4	20.0	19.5	19.9	20.4	21.1	20.5	20.9	21.4	22.1	
		HI PR	261	281	297	310	293	316	333	348	334	359	379	396	380	409	432	450	428	460	486	507	472	508	537	560	
		LO PR	115	122	134	142	122	129	141	150	126	135	147	156	133	141	154	164	139	148	162	172	144	153	167	178	
		1529	MBh	46.9	47.8	50.1	53.4	45.8	46.7	48.9	52.2	44.7	45.6	47.7	50.9	43.6	44.5	46.6	49.7	41.5	42.3	44.3	47.2	38.4	39.1	41.0	43.7
		S/T	0.99	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	0.99	0.81	
		ΔT	28	28	26	23	28	28	26	23	27	27	26	23	26	27	27	23	25	25	26	23	23	24	25	21	
	kW	3.23	3.30	3.40	3.51	3.47	3.55	3.66	3.77	3.68	3.76	3.88	4.01	3.87	3.95	4.08	4.21	4.03	4.12	4.25	4.39	4.17	4.26	4.40	4.54		
	Amps	15.5	15.8	16.1	16.6	16.4	16.7	17.1	17.6	17.5	17.8	18.3	18.8	18.4	18.8	19.3	19.9	19.4	19.8	20.3	20.9	20.3	20.7	21.3	21.9		
	HI PR	259	279	294	307	291	313	330	344	330	356	375	392	376	405	428	446	423	456	481	502	468	503	532	554		
	LO PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	153	163	138	147	160	170	143	152	166	176		
	1341	MBh	43.3	44.1	46.2	49.3	42.3	43.1	45.1	48.2	41.3	42.1	44.1	47.0	40.3	41.1	43.0	45.9	38.3	39.0	40.8	43.6	35.4	36.1	37.8	40.4	
	S/T	0.96	0.93	0.84	0.68	0.99	0.96	0.87	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78		
	ΔT	28	28	26	23	29	28	27	23	28	28	27	23	28	28	27	23	26	27	27	23	24	25	25	22		
	kW	3.16	3.22	3.32	3.42	3.39	3.46	3.57	3.68	3.60	3.67	3.79	3.91	3.78	3.86	3.98	4.11	3.93	4.02	4.14	4.28	4.06	4.15	4.29	4.43		
	Amps	15.2	15.4	15.8	16.3	16.1	16.4	16.8	17.3	17.1	17.4	17.9	18.4	18.0	18.4	18.9	19.4	18.9	19.3	19.8	20.4	19.8	20.2	20.8	21.4		
	HI PR	251	270	285	298	282	303	320	334	320	345	364	380	365	393	415	433	411	442	467	487	454	488	516	538		
	LO PR	111	118	128	137	117	124	136	145	121	129	141	150	128	136	148	158	134	142	155	165	138	147	161	171		

IDB: Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI (TVA) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

IDB		Outdoor Ambient Temperature												Entering Indoor Wet Bulb Temperature												
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1965	MBh	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	4.08	4.16	4.28	-	4.37	4.46	4.60	-	4.63	4.73	4.87	-	4.86	4.96	5.12	-	5.06	5.16	5.33	-	5.23	5.34	5.51	-
		Amps	20.5	20.8	21.3	-	21.7	22.1	22.6	-	23.1	23.5	24.1	-	24.3	24.8	25.4	-	25.5	26.0	26.7	-	26.7	27.3	28.0	-
	1750	Hi PR	251	270	285	-	281	303	320	-	320	344	364	-	365	392	414	-	410	441	466	-	453	488	515	-
		Lo PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	152	-	136	144	158	-
		MBh	54.2	56.2	61.6	-	53.0	54.9	60.1	-	51.7	53.6	58.7	-	50.4	52.3	57.3	-	47.9	49.7	54.4	-	44.4	46.0	50.4	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		ΔT	20	18	13	-	21	18	13	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-
1535	kW	4.05	4.13	4.25	-	4.34	4.43	4.56	-	4.60	4.69	4.84	-	4.82	4.93	5.08	-	5.02	5.12	5.28	-	5.18	5.29	5.46	-	
	Amps	20.3	20.7	21.2	-	21.5	21.9	22.5	-	22.9	23.4	24.0	-	24.1	24.6	25.2	-	25.4	25.8	26.5	-	26.5	27.1	27.8	-	
	Hi PR	248	267	282	-	279	300	317	-	317	341	360	-	361	388	410	-	406	437	461	-	449	483	510	-	
	Lo PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-	
	MBh	50.1	51.9	56.8	-	48.9	50.7	55.5	-	47.7	49.5	54.2	-	46.6	48.3	52.9	-	44.2	45.8	50.2	-	41.0	42.5	46.5	-	
75	1965	S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		ΔT	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		kW	3.96	4.04	4.15	-	4.24	4.33	4.46	-	4.49	4.58	4.72	-	4.71	4.81	4.96	-	4.90	5.00	5.16	-	5.06	5.17	5.33	-
		Amps	19.9	20.3	20.8	-	21.1	21.5	22.0	-	22.5	22.9	23.4	-	23.6	24.1	24.7	-	24.8	25.3	25.9	-	26.0	26.5	27.2	-
		Hi PR	241	259	274	-	270	291	307	-	307	331	349	-	350	377	398	-	394	424	448	-	435	468	494	-
	1750	Lo PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-
		MBh	56.8	58.5	63.3	67.9	55.5	57.1	61.8	66.4	54.2	55.8	60.4	64.8	52.8	54.4	58.9	63.2	50.2	51.7	55.9	60.0	46.5	47.9	51.8	55.6
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.41	0.97	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	16	11
		kW	4.11	4.19	4.32	4.45	4.41	4.50	4.63	4.78	4.67	4.77	4.91	5.07	4.90	5.00	5.16	5.33	5.10	5.21	5.37	5.54	5.27	5.38	5.55	5.73
1535	Amps	20.6	21.0	21.5	22.1	21.8	22.2	22.8	23.4	23.3	23.7	24.3	25.0	24.5	25.0	25.6	26.4	25.7	26.2	26.9	27.8	26.9	27.5	28.2	29.1	
	Hi PR	253	273	288	300	284	306	323	337	323	348	367	383	368	396	418	436	414	446	471	491	458	493	520	543	
	Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170	
	MBh	55.1	56.8	61.5	66.0	53.9	55.5	60.0	64.4	52.6	54.1	58.6	62.9	51.3	52.8	57.2	61.4	48.7	50.2	54.3	58.3	45.1	46.5	50.3	54.0	
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40	
75	1750	ΔT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11
		kW	4.08	4.16	4.28	4.41	4.37	4.46	4.60	4.74	4.63	4.73	4.88	5.03	4.86	4.96	5.12	5.28	5.06	5.16	5.33	5.50	5.23	5.34	5.51	5.69
		Amps	20.5	20.8	21.3	21.9	21.7	22.1	22.6	23.3	23.1	23.5	24.1	24.8	24.3	24.8	25.4	26.2	25.5	26.0	26.7	27.5	26.7	27.3	28.0	28.9
		Hi PR	251	270	285	297	281	303	320	334	320	344	364	379	365	392	414	432	410	441	466	486	453	488	515	537
		Lo PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	162	136	145	158	168
	1535	MBh	50.9	52.4	56.7	60.9	49.7	51.2	55.4	59.5	48.5	50.0	54.1	58.1	47.3	48.8	52.8	56.6	45.0	46.3	50.1	53.8	41.7	42.9	46.4	49.8
		S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.90	0.80	0.61	0.39
		ΔT	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	12	22	21	17	12
		kW	3.99	4.07	4.19	4.31	4.27	4.36	4.49	4.63	4.53	4.62	4.76	4.91	4.75	4.85	5.00	5.16	4.94	5.04	5.20	5.37	5.10	5.21	5.37	5.55
		Amps	20.1	20.4	20.9	21.5	21.2	21.6	22.2	22.8	22.6	23.0	23.6	24.3	23.8	24.2	24.9	25.6	25.0	25.5	26.1	26.9	26.1	26.7	27.4	28.2
1535	Hi PR	243	262	276	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521	
	Lo PR	105	112	122	130	111	118	129	138	116	123	134	143	122	129	141	150	127	136	148	158	132	140	153	163	

IDB: Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

IDB	AIRFLOW	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1463	MBh	41.6	42.5	45.4	48.5	40.6	41.5	44.3	47.4	39.6	40.5	43.3	46.3	38.7	39.5	42.2	45.1	36.7	37.6	40.1	42.9	34.0	34.8	37.2	39.7
		S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
		ΔT	25	24	21	17	26	24	21	17	25	24	21	17	24	25	21	17	23	24	21	17	21	22	20	16
		kW	2.92	2.98	3.07	3.17	3.14	3.21	3.31	3.41	3.33	3.40	3.51	3.62	3.50	3.58	3.69	3.81	3.65	3.72	3.84	3.97	3.77	3.85	3.98	4.11
		Amps	13.8	14.1	14.4	14.8	14.7	14.9	15.3	15.8	15.7	16.0	16.4	16.9	16.5	16.9	17.3	17.9	17.4	17.7	18.2	18.8	18.2	18.6	19.1	19.8
		Hi PR	235	253	268	279	264	284	300	313	300	323	341	356	342	368	389	406	385	414	437	456	425	458	483	504
Lo PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175		
80	1300	MBh	40.4	41.3	44.1	47.1	39.4	40.3	43.1	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	35.7	36.5	39.0	41.6	33.0	33.8	36.1	38.6
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
		ΔT	26	25	22	17	27	25	22	18	27	25	22	18	27	26	22	18	25	25	22	18	23	24	21	16
		kW	2.90	2.96	3.05	3.15	3.12	3.18	3.28	3.38	3.31	3.38	3.48	3.59	3.47	3.55	3.66	3.78	3.62	3.69	3.81	3.94	3.74	3.82	3.94	4.07
		Amps	13.7	14.0	14.3	14.7	14.6	14.8	15.2	15.7	15.6	15.9	16.3	16.8	16.4	16.7	17.2	17.7	17.3	17.6	18.1	18.7	18.1	18.5	19.0	19.6
		Hi PR	233	251	265	276	262	281	297	310	297	320	338	353	339	365	385	402	381	410	433	452	421	453	479	499
Lo PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173		
80	1138	MBh	37.3	38.1	40.7	43.5	36.4	37.2	39.7	42.5	35.5	36.3	38.8	41.5	34.7	35.4	37.8	40.5	32.9	33.6	36.0	38.4	30.5	31.2	33.3	35.6
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.58	1.02	0.95	0.78	0.58
		ΔT	27	26	22	18	27	26	23	18	27	26	23	18	27	26	23	18	27	26	22	18	25	24	21	17
		kW	2.84	2.89	2.98	3.07	3.04	3.11	3.20	3.30	3.23	3.30	3.40	3.51	3.39	3.46	3.57	3.69	3.53	3.60	3.72	3.84	3.65	3.73	3.85	3.97
		Amps	13.4	13.7	14.0	14.4	14.3	14.5	14.9	15.3	15.2	15.5	15.9	16.4	16.0	16.4	16.8	17.3	16.9	17.2	17.7	18.2	17.7	18.1	18.6	19.1
		Hi PR	226	243	257	268	254	273	288	301	289	311	328	342	329	354	373	390	370	398	420	438	408	440	464	484
Lo PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	152	162	136	144	158	168		
85	1463	MBh	42.3	43.1	45.2	48.2	41.3	42.1	44.1	47.1	40.3	41.1	43.1	45.9	39.4	40.1	42.0	44.8	37.4	38.1	39.9	42.6	34.6	35.3	37.0	39.4
		S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		ΔT	27	26	25	22	26	26	25	22	25	26	25	22	25	25	26	22	24	24	25	22	22	22	23	20
		kW	2.95	3.01	3.10	3.19	3.17	3.23	3.33	3.44	3.36	3.43	3.54	3.65	3.53	3.61	3.72	3.84	3.67	3.75	3.88	4.00	3.80	3.88	4.01	4.14
		Amps	13.9	14.2	14.5	14.9	14.8	15.1	15.4	15.9	15.8	16.1	16.5	17.0	16.7	17.0	17.5	18.0	17.5	17.9	18.4	19.0	18.4	18.8	19.3	19.9
		Hi PR	238	256	270	282	267	287	303	316	303	327	345	360	346	372	393	410	389	418	442	461	430	462	488	509
Lo PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177		
85	1300	MBh	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.2	39.9	41.8	44.6	38.2	39.0	40.8	43.5	36.3	37.0	38.8	41.3	33.6	34.3	35.9	38.3
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		ΔT	28	28	26	23	28	28	26	23	28	28	26	23	27	28	27	23	26	26	26	23	24	24	24	21
		kW	2.92	2.98	3.07	3.17	3.14	3.21	3.31	3.41	3.33	3.40	3.51	3.62	3.50	3.58	3.69	3.81	3.65	3.72	3.84	3.97	3.77	3.85	3.98	4.11
		Amps	13.8	14.1	14.4	14.8	14.7	14.9	15.3	15.8	15.7	16.0	16.4	16.9	16.5	16.9	17.3	17.9	17.4	17.7	18.2	18.8	18.2	18.6	19.1	19.8
		Hi PR	235	253	268	279	264	284	300	313	300	323	341	356	342	368	389	406	385	414	437	456	425	458	483	504
Lo PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175		
85	1138	MBh	37.9	38.6	40.5	43.2	37.0	37.7	39.5	42.2	36.2	36.9	38.6	41.2	35.3	36.0	37.7	40.2	33.5	34.2	35.8	38.2	31.0	31.6	33.1	35.4
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		ΔT	28	28	26	23	29	28	27	23	29	28	27	23	29	29	27	23	27	28	27	23	25	26	25	22
		kW	2.86	2.91	3.00	3.10	3.07	3.13	3.23	3.33	3.25	3.32	3.43	3.54	3.42	3.49	3.60	3.72	3.56	3.63	3.75	3.87	3.68	3.76	3.88	4.01
		Amps	13.5	13.8	14.1	14.5	14.4	14.6	15.0	15.4	15.3	15.6	16.0	16.5	16.2	16.5	16.9	17.4	17.0	17.3	17.8	18.4	17.8	18.2	18.7	19.3
		Hi PR	228	246	260	271	256	276	291	304	291	314	331	345	332	357	377	393	373	402	424	443	413	444	469	489
Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170		

IDB: Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI (TVA) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

DP14GM3608043** - RISE RANGE: 30° - 60°

E.S.P	T1 HEATING SPEED			T2 HEATING SPEED			T3 HEATING SPEED			T4 COOLING SPEED		T5 COOLING SPEED	
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS
0.1	745	76	X	1,115	206	55	1,265	285	49	1,305	311	1,440	426
0.2	690	84	X	1,075	215	57	1,230	290	50	1,265	320	1,390	428
0.3	635	91	X	1,030	221	60	1,175	300	52	1,225	325	1,365	440
0.4	570	98	X	985	233	X	1,140	303	54	1,180	334	1,335	440
0.5	505	107	X	940	234	X	1,100	311	56	1,140	338	1,295	456
0.6	450	115	X	895	242	X	1,055	319	58	1,095	349	1,255	456
0.7	395	118	X	845	248	X	1,010	326	X	1,050	350	1,220	465
0.8	345	126	X	785	252	X	960	335	X	1,010	357	1,180	468

DP14GM4808043** - RISE RANGE: 30° - 60°

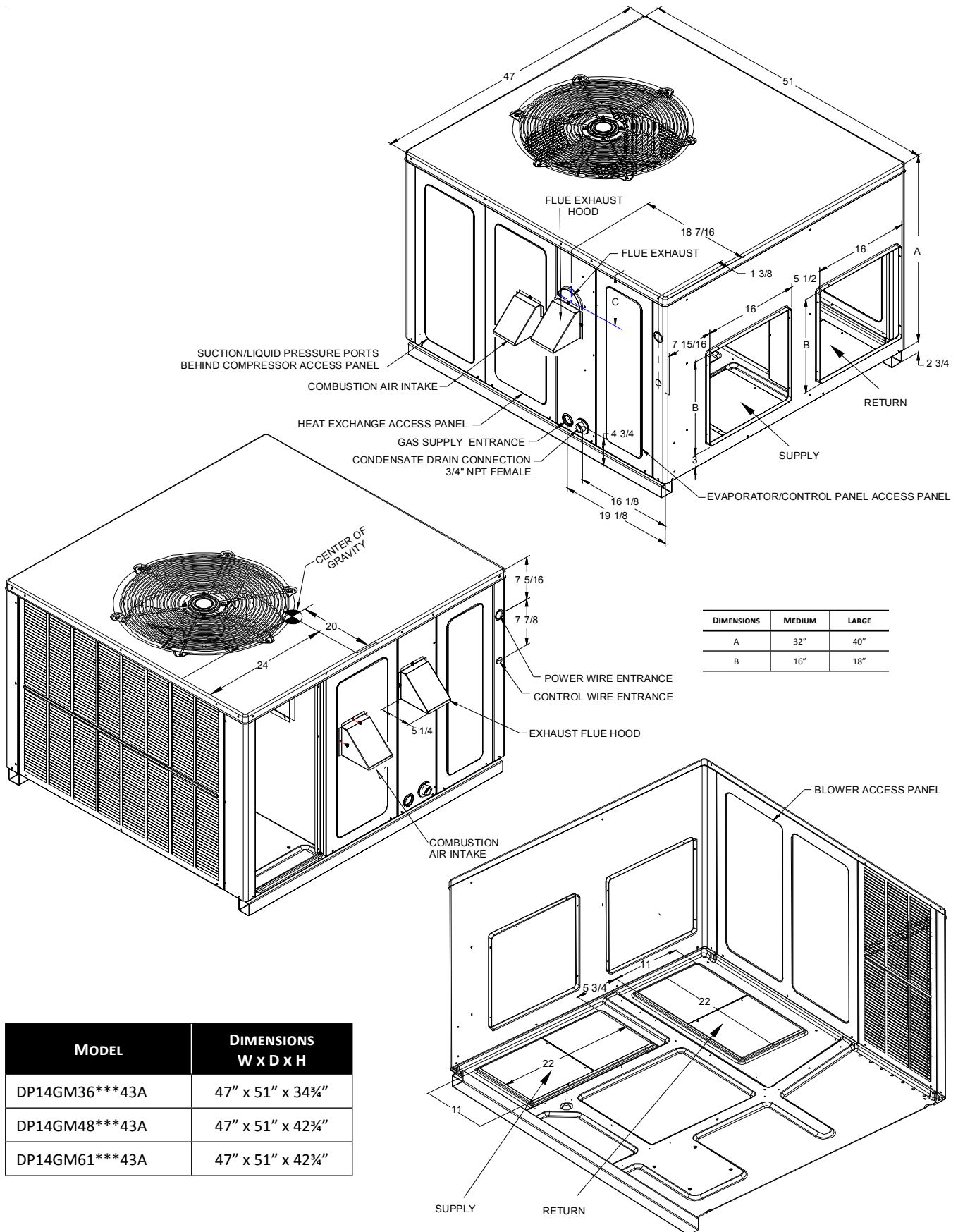
E.S.P	T1 HEATING SPEED			T2 HEATING SPEED			T3 HEATING SPEED			T4 COOLING SPEED		T5 COOLING SPEED	
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS
0.1	1,055	156	58	1,380	298	45	1,415	327	43	1,570	447	1,780	647
0.2	1,000	166	X	1,320	312	47	1,360	335	45	1,520	452	1,740	658
0.3	940	173	X	1,270	318	48	1,305	343	47	1,480	468	1,695	661
0.4	880	181	X	1,220	327	50	1,260	353	49	1,425	479	1,640	679
0.5	825	189	X	1,160	336	53	1,200	359	51	1,380	479	1,595	675
0.6	760	204	X	1,115	342	55	1,150	371	53	1,335	485	1,550	693
0.7	705	207	X	1,060	347	58	1,110	375	55	1,285	491	1,505	690
0.8	625	210	X	1,000	361	X	1,060	381	58	1,235	501	1,465	696

DP14GM6108043** - RISE RANGE: 30° - 60

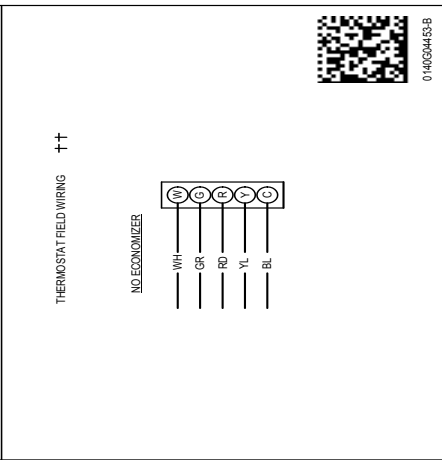
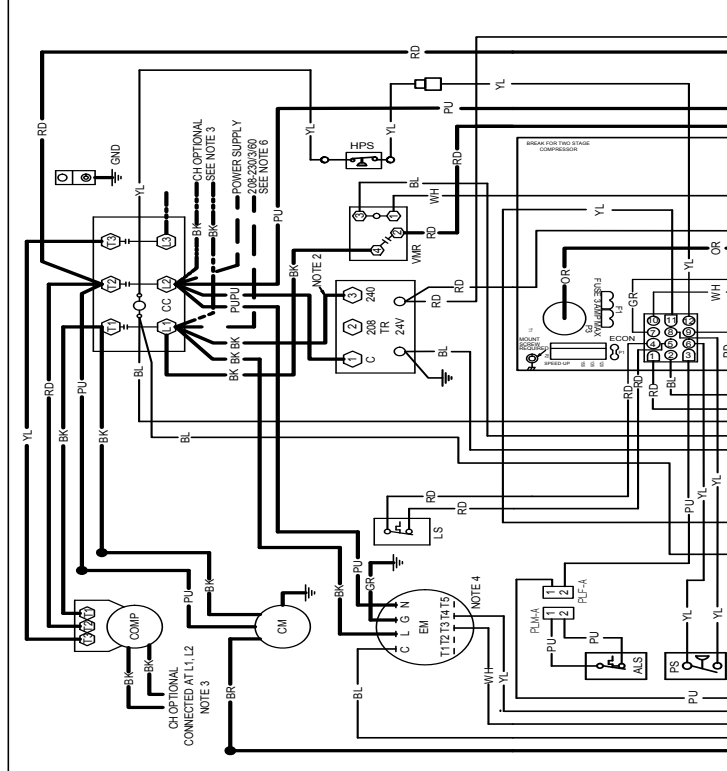
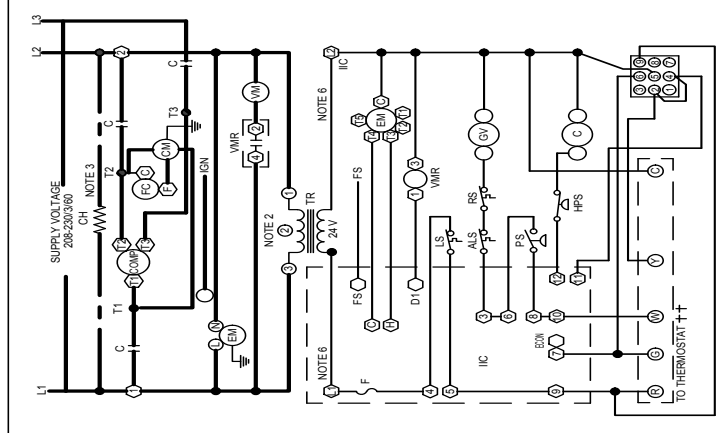
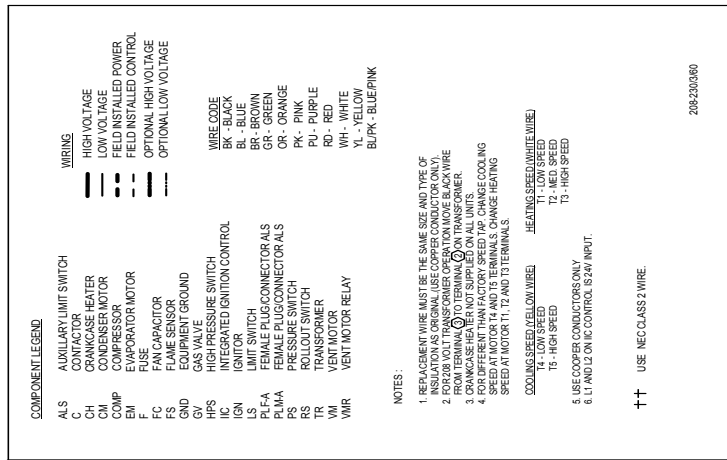
E.S.P	T1 HEATING SPEED			T2 HEATING SPEED			T3 HEATING SPEED		T4 COOLING SPEED		T5 COOLING SPEED	
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS	CFM	WATTS
0.1	1,285	252	36	1,370	297	45	1,340	276	1780	620	1,940	844
0.2	1,235	259	37	1,330	304	46	1,270	279	1745	646	1,910	834
0.3	1,180	272	39	1,280	314	48	1,235	292	1700	640	1,880	840
0.4	1,130	272	41	1,220	321	50	1,175	296	1655	638	1,825	857
0.5	1,085	280	42	1,180	341	52	1,135	308	1610	656	1,790	865
0.6	1,035	294	45	1,135	339	54	1,085	318	1560	659	1,735	867
0.7	975	297	47	1,085	347	57	1,040	328	1520	664	1,700	877
0.8	910	319	51	1,035	359	59	975	337	1475	675	1,660	886

DP14GM6112043** - RISE RANGE: 35° - 65°

E.S.P	T1 HEATING SPEED			T2 HEATING SPEED			T3 HEATING SPEED		T4 COOLING SPEED		T5 COOLING SPEED	
	CFM	WATTS	RISE	CFM	WATTS	RISE	CFM	WATTS	CFM	WATTS	CFM	WATTS
0.1	1,345	281	51	1,745	558	53	1,340	276	1780	620	1,940	844
0.2	1,300	286	53	1,705	567	54	1,270	279	1745	646	1,910	834
0.3	1,255	295	55	1,660	572	56	1,235	292	1700	640	1,880	840
0.4	1,205	308	57	1,620	582	57	1,175	296	1655	638	1,825	857
0.5	1,165	322	59	1,580	589	58	1,135	308	1610	656	1,790	865
0.6	1,110	335	62	1,535	604	60	1,085	318	1560	659	1,735	867
0.7	1,055	334	X	1,485	613	62	1,040	328	1520	664	1,700	877
0.8	1,010	346	X	1,435	606	64	975	337	1475	675	1,660	886



MODEL	DIMENSIONS W x D x H
DP14GM36***43A	47" x 51" x 34 3/4"
DP14GM48***43A	47" x 51" x 42 3/4"
DP14GM61***43A	47" x 51" x 42 3/4"



INSTALLER/SERVICEMAN THE STATUS LIGHT ON THE PURCHASE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

STATUS LIGHT	EQUIP. STATUS	CHECK
ON	NORMAL OPERATION	CHECK
OFF	NO POWER OR INTERNAL CONTROL FAILURE	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OR OPEN ROLLOUT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT FAN SWITCH
2 BLINKS	OPEN AUX. LIMIT SWITCH	AUX. LIMIT OPEN
3 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
4 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
5 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
6 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER



COMPONENT LEGEND
 ALS - AUXILIARY LIMIT SWITCH
 C - CONTACTOR
 CH - CRANKCASE HEATER
 CM - COMPRESSOR MOTOR
 COMP - COMPRESSOR
 EM - EVAPORATOR MOTOR
 F - FUSE
 FC - FAN CAPACITOR
 FS - FLAME SENSOR
 GND - EQUIPMENT GROUND
 HPS - HIGH PRESSURE SWITCH
 IIC - INTEGRATED IGNITION CONTROL
 IG - IGNITOR
 LS - LIMIT SWITCH
 PU - PURPLE
 TR - TRANSFORMER
 VM - VENT MOTOR
 VMR - VENT MOTOR RELAY

WIRES
 HIGH VOLTAGE
 FIELD INSTALLED POWER
 FIELD INSTALLED CONTROL
 OPTIONAL HIGH VOLTAGE
 OPTIONAL LOW VOLTAGE

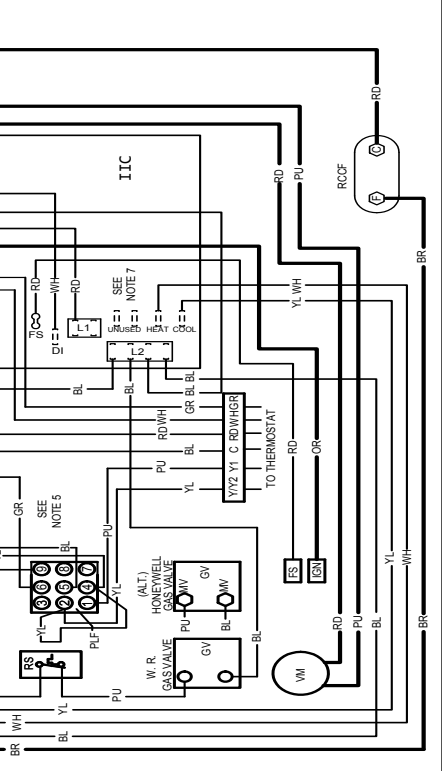
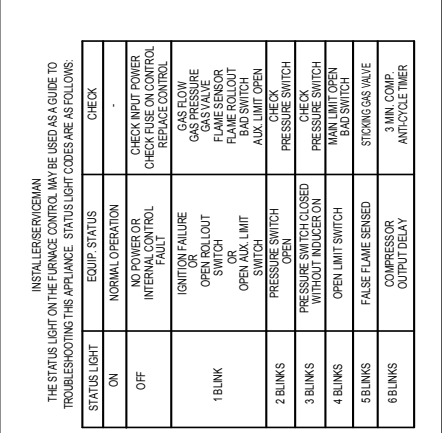
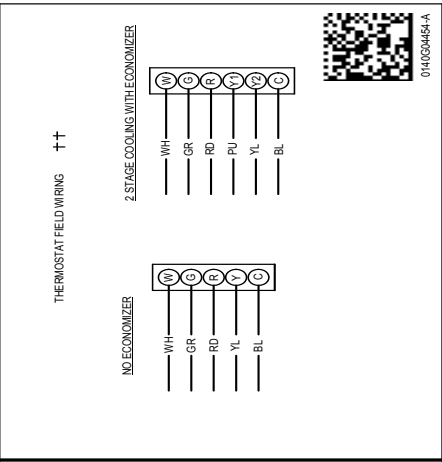
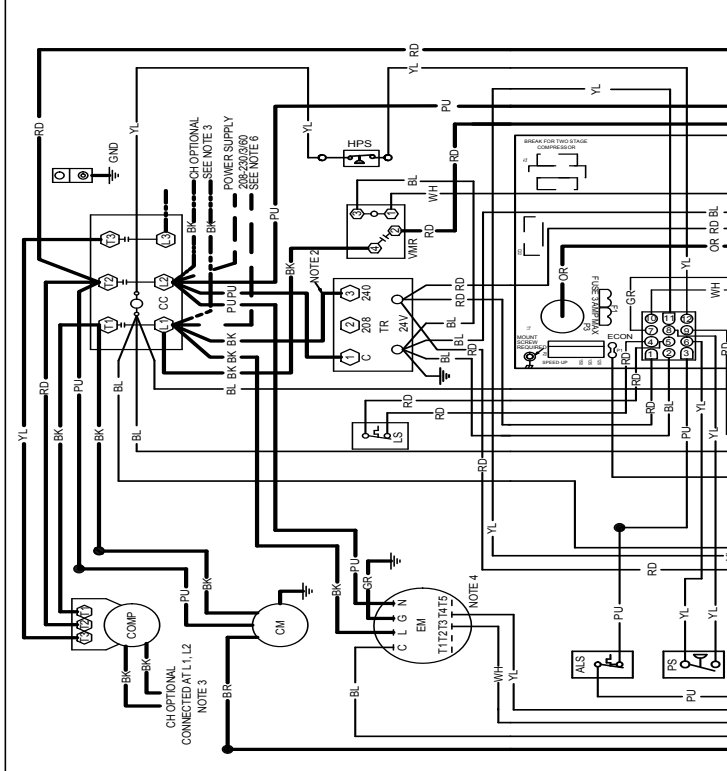
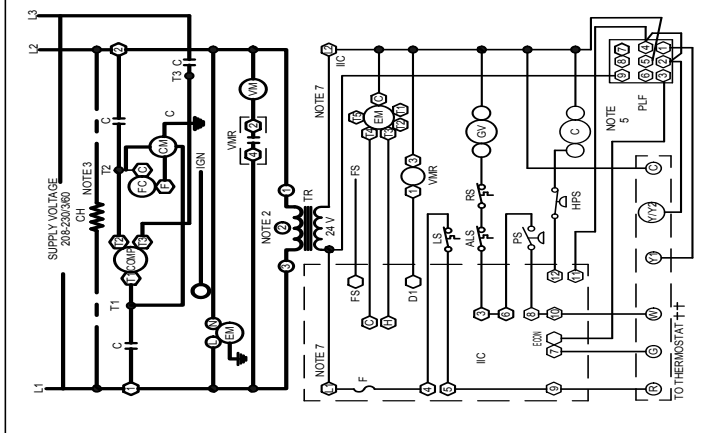
WIRE CODE
 BK - BLACK
 BL - BLUE
 BR - BROWN
 GR - GREEN
 OR - ORANGE
 PK - PINK
 PU - PURPLE
 RD - RED
 WH - WHITE
 YL - YELLOW
 BL/PK - BLUE/PINK

NOTES:
 1. RETRACKMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL USE COPPER CONDUCTOR ONLY.
 2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 1 TO TERMINAL 2 ON TRANSFORMER.
 3. FOR 230 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 2 TO TERMINAL 1 ON TRANSFORMER.
 4. FOR DIFFERENT THAN FACTORY SPEED TAG CHANGE COOLING SPEED AT MOTOR T1, T2 AND T3 TERMINALS. CHANGE HEATING SPEED AT MOTOR T1, T2 AND T3 TERMINALS.
 COOLING SPEED (YELLOW WIRE) HEATING SPEED (WHITE WIRE)
 T4 - LOW SPEED T1 - LOW SPEED
 T5 - HIGH SPEED T2 - MED. SPEED
 T6 - HIGH SPEED T3 - HIGH SPEED

++ USE NEC CLASS 2 WIRE.

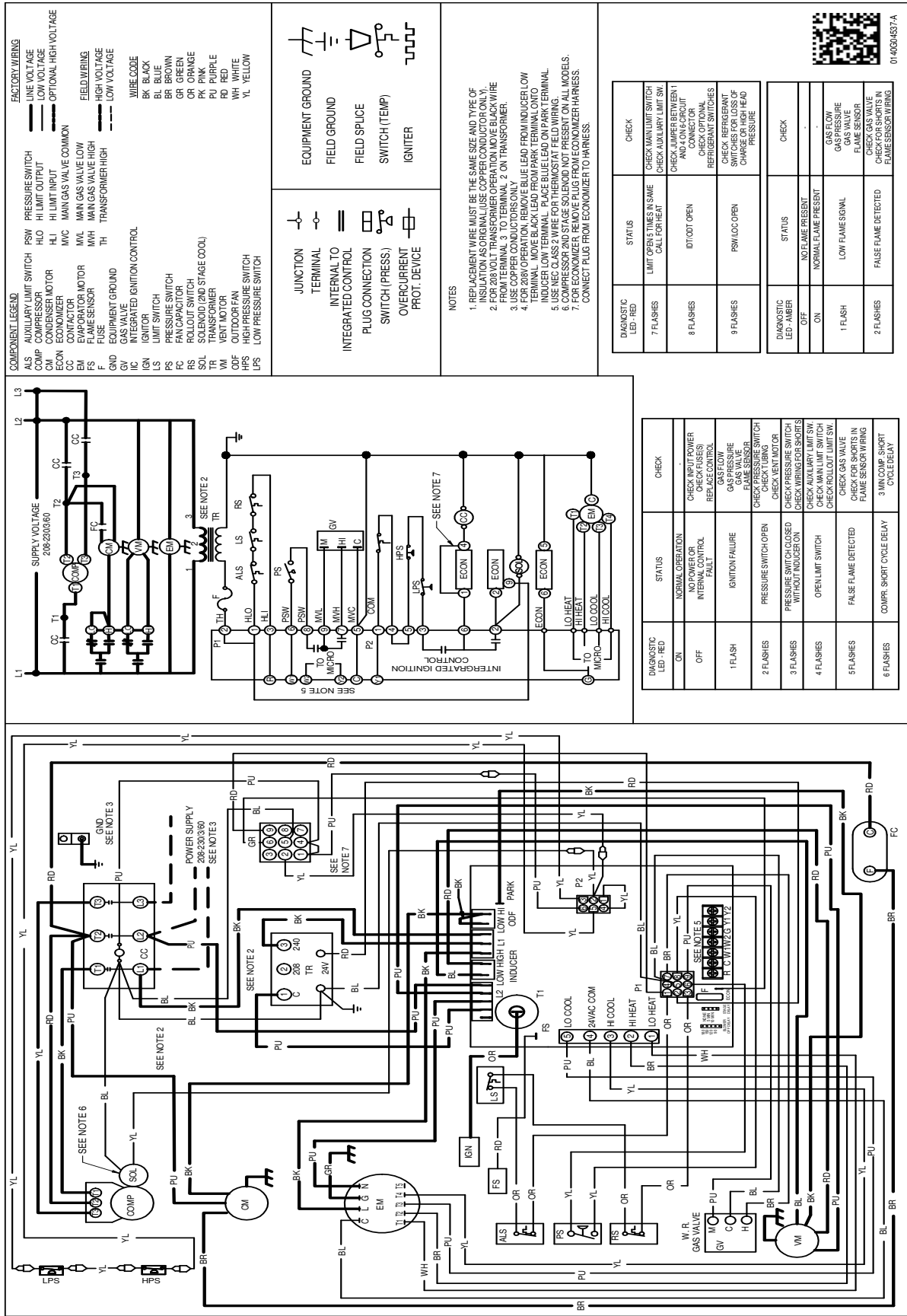
208-230360

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.

ITEM	DESCRIPTION	FITS CHASSIS SIZE
20464501NGK	Horizontal Duct Cover	Medium
20464502NGK	Horizontal Duct Cover	Large
CDK36	Concentric Kit	Medium
CDK4872	Concentric Kit	Large
DDNECNJPGMM	Downflow Economizer	Medium
DDNECNJPGML	Downflow Economizer	Large
DDNIFRPGMM	Downflow Internal Filter Rack (with economizer)	Medium
DDNIFRPGA	Downflow Internal Filter Rack (no economizer)	All Sizes
DHZECNJPGCHM	Horizontal Economizer	Medium
DHZECNJPGCHL	Horizontal Economizer	Large
DPHFRA	External Horizontal Filter Rack	All Sizes
DHZIFRPGCHA	Internal Horizontal Filter Rack	All Sizes
DDN25FDPGCHMM	25% Manual Downflow Fresh Air Damper	Medium
DDN25FDPGCHML	25% Manual Downflow Fresh Air Damper	Large
DHZ25FDPGCHMM	25% Manual Horizontal Fresh Air Damper	Medium
DHZ25FDPGCHML	25% Manual Horizontal Fresh Air Damper	Large
DDN25MFDPGCHMM	25% Motorized Downflow Fresh Air Damper	Medium
DDN25MFDPGCHML	25% Motorized Downflow Fresh Air Damper	Large
DHZ25MFDPGCHMM	25% Motorized Horizontal Fresh Air Damper	Medium
DHZ25MFDPGCHML	25% Motorized Horizontal Fresh Air Damper	Large
HA-03	High-Altitude Kit	All Sizes
LPM-07	LP Conversion Kit (Single-Stage Models)	3 and 4 ton models
LPM-08	LP Conversion Kit (Two-Stage Models)	5 ton models
OTDFPKG-01	Outdoor Thermostat with Housing	All Sizes
D14CRBPGCHMA	Roof Curb	All Sizes
SQRPG101/102	Square-to-Round Adapter w/16" Round for Downflow Application	Medium
SQRPG103	Square-to-Round Adapter w/18" Round for Downflow Application	Large
SQRPGH101/102	Square-to-Round Adapter w/16" Round for Horizontal Application	Medium
SQRPGH103	Square-to-Round Adapter w/18" Round for Horizontal Application	Large

