

Appendix B – Electrical Data (Cont.)

ELECTRICAL DATA - (-)GEDYB SERIES							
		150ACF15 150ACF22	150ACG15 150ACG22	150ADF15 150ADF22	150ADG15 150ADG22	150AYF15 150AYF22	150AYG15 150AYG22
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	518-633	518-633
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	68/68	75/75	29	31	23	24
	Minimum Circuit Ampacity with Powered Exhaust	74/74	80/80	32	34	25	26
	Minimum Overcurrent Protection Device Size	80/80	90/90	35	35	25	30
	Minimum Overcurrent Protection Device Size with Powered Exhaust	80/80	90/90	35	40	30	30
	Maximum Overcurrent Protection Device Size	90/90	90/90	35	35	25	30
	Maximum Overcurrent Protection Device Size with Powered Exhaust	90/90	100/100	40	40	30	30
Compressor Motor	No.	2	2	2	2	2	2
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	Amps (RLA), Comp. 1	22.4	22.4	8.8	8.8	7.2	7.2
	Amps (LRA), Comp. 1	166.2	166.2	74.6	74.6	54.0	54.0
	Amps (RLA), Comp. 2	22.4	22.4	8.8	8.8	7.2	7.2
	Amps (LRA), Comp. 2	166.2	166.2	74.6	74.6	54.0	54.0
Condenser Motor	No.	2	2	2	2	2	2
	Volts	208/230	208/230	460	460	575	575
	Phase	1	1	1	1	1	1
	HP	3/4	3/4	3/4	3/4	3/4	3/4
	Amps (FLA, each)	4.2	4.2	2.3	2.3	1.2	1.2
	Amps (LRA, each)	11.5	11.5	5.9	5.9	4.2	4.2
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	HP	3	5	3	5	3	5
	Amps (FLA, each)	9.2	15.7	4.6	6.3	3.5	5.1
	Amps (LRA, each)	74.5	95.0	38.1	47.5	30.0	38.0

P. APPENDICES

Appendix C – Air Flow Performance Data

Model (Q)EDYB090 - Downflow		Voltage 208/230, 480, 575 / 3 phase 60 Hz																																							
Air Flow		External Static Pressure - Inches of Water [kPa]																																							
CFM [L/s]	RPM	0.1 [0.02]		0.2 [0.05]		0.3 [0.07]		0.4 [1.0]		0.5 [1.2]		0.6 [1.5]		0.7 [1.7]		0.8 [2.0]		0.9 [2.2]		1.0 [2.5]		1.1 [2.7]		1.2 [3.0]		1.3 [3.2]		1.4 [3.5]		1.5 [3.7]		1.6 [4.0]		1.7 [4.2]		1.8 [4.5]		1.9 [4.7]		2.0 [5.0]	
		BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
2400 [1133]	—	—	551	782	585	814	619	848	652	885	684	926	717	969	748	1016	780	1065	810	1118	841	1174	870	1233	900	1234	929	1359	957	1427	985	1498	1012	1572	1039	1649	1065	1729	1091	1813	
2500 [1180]	—	—	562	816	596	848	629	884	661	923	693	964	725	1009	756	1057	787	1108	817	1162	846	1219	876	1279	904	1343	933	1409	960	1478	987	1550	1014	1626	1040	1704	1066	1786	1092	1870	
2600 [1227]	—	—	574	851	607	885	639	922	671	962	702	1006	733	1052	764	1101	794	1153	823	1209	852	1267	881	1329	909	1393	937	1461	964	1531	990	1605	1016	1682	1042	1762	1067	1844	1082	1930	
2700 [1274]	553	857	585	889	618	925	650	983	681	1004	712	1049	742	1096	772	1147	801	1201	830	1258	858	1317	886	1380	914	1448	941	1515	967	1587	993	1662	1019	1740	1044	1821	1068	1905	1082	1983	
2800 [1321]	565	896	597	930	629	966	660	1006	691	1049	721	1095	751	1144	780	1196	808	1251	837	1309	864	1370	892	1434	919	1501	945	1572	971	1645	996	1721	1021	1801	1045	1883	1069	1969	1083	2057	
2900 [1368]	577	937	609	972	640	1010	670	1051	701	1096	730	1143	759	1193	788	1246	816	1303	843	1362	871	1425	887	1490	923	1559	949	1630	974	1705	999	1783	1023	1864	1047	1948	1070	2035	1083	2124	
3000 [1416]	590	981	621	1017	651	1057	681	1098	710	1145	739	1193	768	1245	786	1300	823	1357	850	1418	877	1482	903	1549	928	1619	953	1692	978	1768	1002	1847	1026	1929	1049	2014	1072	2103	1084	2194	
3100 [1463]	602	1027	633	1065	662	1105	692	1149	720	1196	749	1246	777	1299	804	1355	831	1414	857	1476	883	1541	908	1610	933	1681	965	1755	982	1833	1005	1913	1028	1997	1051	2063	1073	2173	1094	2266	
3200 [1510]	615	1075	645	1114	674	1157	702	1202	731	1250	758	1301	785	1356	812	1413	838	1473	864	1537	889	1603	914	1673	938	1746	962	1821	986	1900	1008	1982	1031	2067	1053	2155	1074	2246	1095	2340	
3300 [1557]	628	1126	657	1166	685	1210	713	1256	741	1306	768	1359	794	1414	820	1473	846	1535	871	1600	896	1668	920	1739	944	1813	967	1980	989	1970	1012	2053	1033	2139	1055	2229	1075	2321	1096	2416	
3400 [1604]	640	1179	669	1221	697	1266	724	1314	751	1365	777	1419	803	1476	829	1536	854	1599	878	1665	902	1734	926	1807	949	1882	971	1960	993	2042	1015	2126	1036	2214	1057	2305	1077	2398	1097	2495	
3500 [1652]	653	1235	681	1278	708	1324	735	1373	761	1425	787	1481	812	1539	837	1601	861	1665	885	1733	909	1803	932	1877	954	1954	976	2034	997	2116	1018	2202	1039	2291	1059	2383	1078	2478	1097	2576	
3600 [1699]	666	1292	693	1337	720	1384	746	1435	771	1489	797	1545	821	1605	845	1668	869	1734	892	1803	915	1875	938	1950	959	2028	981	2109	1001	2193	1022	2280	1042	2371	1061	2464	1080	2560	1098	2660	

NOTE: F-Drive left of the first bold line, G-Drive between the bold lines, H-Drive right of both bold lines.

Drive Package	F					G					H							
Motor H.P. [W]	2 [1491.4]					3 [2237.1]					3 [2237.1]							
Blower Sheave	AK84H					AK84H					AK84H							
Motor Sheave	1VL40					1VP50					1VP56							
Belt	A49					A50					A51							
Turns Open	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5
RPM	767	721	678	635	590	548	992	949	908	866	823	782	1108	1067	1029	987	946	905

- Notes:
1. Factory sheave settings are shown in bold type.
 2. Do not set sheave below minimum or maximum turns open shown.
 3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure.
 4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

Airflow	AIRFLOW CORRECTION FACTORS *				COMPONENT AIRFLOW RESISTANCE						Pressure Drop MERV 8	Pressure Drop MERV 13			
	CFM [L/s]	Total kBTu/h	Sensible kBTu/h	Power kW	Wet Coil	Vertical Economizer RA Damper Open	Concentric Diffuser RXRN-AEF2000 & Concentric Adapter RXMC-DD01 (Flush)	Concentric Diffuser RXRN-AED2000 & RXMC-DD01 (Drop)							
Resistance — Inches of Water [kPa]															
2400 [1133]	0.96	0.89	0.98		0.04 [0.1]	0.01 [0.0]	0.66 [1.6]	0.53 [1.3]		0.093 [0.2]		0.047 [0.1]			
2500 [1180]	0.96	0.90	0.99		0.05 [0.1]	0.02 [0.0]	0.71 [1.8]	0.57 [1.4]		0.098 [0.2]		0.055 [0.1]			
2600 [1227]	0.97	0.92	0.99		0.05 [0.1]	0.02 [0.1]	0.75 [1.9]	0.60 [1.5]		0.103 [0.2]		0.062 [0.1]			
2700 [1274]	0.97	0.93	0.99		0.05 [0.1]	0.03 [0.1]	0.80 [2.0]	0.65 [1.6]		0.108 [0.3]		0.070 [0.2]			
2800 [1321]	0.98	0.95	0.99		0.06 [0.1]	0.04 [0.1]	0.85 [2.1]	0.69 [1.7]		0.113 [0.3]		0.078 [0.2]			
2900 [1368]	0.98	0.96	1.00		0.06 [0.2]	0.04 [0.1]	0.91 [2.3]	0.74 [1.8]		0.117 [0.3]		0.085 [0.2]			
3000 [1416]	0.99	0.97	1.00		0.07 [0.2]	0.05 [0.1]	0.96 [2.4]	0.79 [2.0]		0.122 [0.3]		0.093 [0.2]			
3100 [1463]	1.00	0.99	1.00		0.07 [0.2]	0.06 [0.2]	1.02 [2.5]	0.86 [2.1]		0.127 [0.3]		0.100 [0.2]			
3200 [1510]	1.00	1.00	1.01		0.07 [0.2]	0.07 [0.2]	1.08 [2.7]	0.92 [2.3]		0.132 [0.3]		0.108 [0.3]			
3300 [1557]	1.01	1.02	1.01		0.08 [0.2]	0.08 [0.2]	1.15 [2.9]	0.99 [2.5]		0.137 [0.3]		0.115 [0.3]			
3400 [1604]	1.01	1.03	1.01		0.08 [0.2]	0.09 [0.2]	1.21 [3.0]	1.05 [2.6]		0.142 [0.3]		0.123 [0.3]			
3500 [1652]	1.02	1.05	1.01		0.09 [0.2]	0.10 [0.2]	1.29 [3.2]	1.09 [2.7]		0.147 [0.4]		0.131 [0.3]			
3600 [1699]	1.02	1.06	1.02		0.09 [0.2]	0.11 [0.3]	1.36 [3.4]	1.13 [2.8]		0.152 [0.4]		0.138 [0.3]			

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

Appendix C – Air Flow Performance Data (Cont.)

Model (J)GEDYB030 – Sidelow Voltage 208/230, 460, 575 – 3 phase 60 Hz		External Static Pressure - Inches of Water [kPa]																																								
Air Flow		0.1 [0.2]		0.2 [0.5]		0.3 [0.7]		0.4 [1.0]		0.5 [1.2]		0.6 [1.5]		0.7 [1.7]		0.8 [2.0]		0.9 [2.2]		1.0 [2.5]		1.1 [2.7]		1.2 [3.0]		1.3 [3.2]		1.4 [3.5]		1.5 [3.7]		1.6 [4.0]		1.7 [4.2]		1.8 [4.5]		1.9 [4.7]		2.0 [5.0]		
CFM [L/s]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
2400 [1133]	—	—	—	—	558	822	594	863	629	887	653	925	687	965	730	1009	763	1056	794	1106	826	1159	856	1216	886	1275	915	1338	943	1404	971	1474	998	1546	1025	1622	1051	1700	1076	1782		
2500 [1180]	—	—	—	—	568	848	604	881	638	917	672	956	706	988	738	1044	769	1092	801	1144	831	1199	861	1258	890	1319	919	1384	947	1452	974	1523	1001	1597	1027	1674	1052	1755	1077	1838		
2600 [1227]	—	—	—	—	543	846	579	877	613	912	647	950	681	991	713	1035	745	1082	777	1132	807	1186	837	1243	867	1303	895	1366	923	1433	951	1502	978	1575	1004	1651	1029	1730	1054	1812	1078	1898
2700 [1274]	—	—	—	—	554	877	589	910	623	946	657	986	689	1029	722	1074	753	1124	784	1176	814	1231	844	1290	872	1352	901	1417	928	1485	955	1556	981	1631	1007	1708	1032	1789	1056	1873	1079	1961
2800 [1321]	—	—	—	—	566	911	600	946	634	984	666	1026	699	1070	730	1118	761	1169	792	1223	821	1280	850	1340	878	1404	906	1470	933	1540	959	1613	985	1690	1010	1769	1034	1852	1058	1938	1081	2027
2900 [1368]	543	916	577	949	611	986	644	1026	676	1069	708	1115	739	1164	770	1217	799	1273	828	1332	857	1394	885	1459	912	1528	938	1599	964	1674	989	1752	1014	1833	1037	1918	1061	2065	1083	2096		
3000 [1416]	555	955	589	990	622	1029	655	1070	687	1115	718	1163	748	1214	778	1269	807	1326	836	1387	864	1451	891	1518	918	1588	944	1662	969	1738	994	1818	1017	1901	1041	1987	1063	2077	1085	2169		
3100 [1463]	568	998	601	1035	634	1075	666	1118	697	1165	728	1215	758	1268	787	1324	816	1383	844	1445	871	1511	898	1580	924	1652	949	1727	974	1806	998	1887	1022	1972	1044	2060	1066	2151	1088	2245		
3200 [1510]	581	1044	614	1083	646	1125	677	1170	708	1218	738	1270	768	1324	796	1382	824	1443	852	1507	879	1575	905	1646	931	1719	955	1796	980	1876	1003	1960	1026	2046	1048	2136	1070	2229	1091	2325		
3300 [1557]	594	1093	626	1134	658	1178	689	1225	719	1275	749	1328	778	1384	806	1444	833	1507	860	1573	887	1642	912	1714	937	1790	962	1869	985	1951	1008	2036	1031	2124	1052	2216	1073	2310	1094	2408		
3400 [1604]	607	1146	639	1189	670	1234	701	1283	730	1335	759	1390	788	1448	815	1509	843	1574	869	1642	895	1713	920	1787	944	1864	968	1945	991	2028	1014	2115	1036	2205	1057	2296	1077	2395	1097	2494		
3500 [1652]	621	1203	652	1247	683	1284	713	1344	742	1398	770	1455	798	1515	825	1578	852	1644	878	1714	903	1798	928	1882	952	1941	975	2024	997	2109	1019	2198	1041	2290	1061	2385	1081	2483	1101	2584		
3600 [1699]	635	1262	666	1308	696	1357	725	1409	754	1465	782	1523	809	1585	836	1650	862	1718	887	1789	912	1864	936	1941	959	2022	982	2106	1004	2194	1025	2284	1046	2378	1066	2474	1086	2574	1104	2677		

NOTE: F-Drive left of the first bold line, G-Drive between the bold lines, H-Drive right of both bold lines.

Drive Package	F					G					H							
Motor H.P. [W]	2 [1491.4]					3 [2237.1]					3 [2237.1]							
Blower Sheave	AK84H					AK84H					AK84H							
Motor Sheave	1VL40					1VP50					1VP56							
Belt	A49					A50					A51							
Turns Open	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5
RPM	765	720	676	633	589	544	989	949	908	865	823	780	1108	1067	1029	987	946	905

Notes:

1. Factory shave settings are shown in bold type.
2. Do not set shave below minimum or maximum turns open shown.
3. Re-adjustment of shave required to achieve rated airflow at AHR minimum External Static Pressure.
4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

Airflow	AIRFLOW CORRECTION FACTORS *				COMPONENT AIRFLOW RESISTANCE					
	Wet Coil	Horizontal Economizer RA Damper Open	Concentric Diffuser RXRN-AEF2000 & Concentric Adapter RXMC-DD01 (Flush)	Concentric Diffuser RXRN-AED2000 & Concentric Adapter RXMC-DD01 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13				
	Total kBTU/h	Sensible kBTU/h	Power kW	Resistance — Inches of Water [kPa]						
CFM [L/s]										
2400 [1133]	0.96	0.89	0.98	0.04 [0.1]	0.21 [0.5]	0.66 [1.6]	0.53 [1.3]	0.083 [0.2]	0.047 [0.1]	
2500 [1180]	0.96	0.90	0.99	0.05 [0.1]	0.25 [0.6]	0.71 [1.8]	0.57 [1.4]	0.088 [0.2]	0.055 [0.1]	
2600 [1227]	0.97	0.92	0.99	0.05 [0.1]	0.28 [0.7]	0.75 [1.9]	0.60 [1.5]	0.103 [0.2]	0.062 [0.1]	
2700 [1274]	0.97	0.93	0.99	0.05 [0.1]	0.32 [0.8]	0.80 [2.0]	0.65 [1.6]	0.108 [0.3]	0.070 [0.2]	
2800 [1321]	0.98	0.95	0.99	0.06 [0.1]	0.36 [0.9]	0.85 [2.1]	0.69 [1.7]	0.113 [0.3]	0.078 [0.2]	
2900 [1368]	0.98	0.96	1.00	0.06 [0.2]	0.39 [1.0]	0.91 [2.3]	0.74 [1.8]	0.117 [0.3]	0.085 [0.2]	
3000 [1416]	0.99	0.97	1.00	0.07 [0.2]	0.43 [1.1]	0.96 [2.4]	0.79 [2.0]	0.122 [0.3]	0.093 [0.2]	
3100 [1463]	1.00	0.99	1.00	0.07 [0.2]	0.47 [1.2]	1.02 [2.5]	0.86 [2.1]	0.127 [0.3]	0.100 [0.2]	
3200 [1510]	1.00	1.00	1.01	0.07 [0.2]	0.51 [1.3]	1.08 [2.7]	0.92 [2.3]	0.132 [0.3]	0.108 [0.3]	
3300 [1557]	1.01	1.02	1.01	0.08 [0.2]	0.54 [1.4]	1.15 [2.9]	0.99 [2.5]	0.137 [0.3]	0.115 [0.3]	
3400 [1604]	1.01	1.03	1.01	0.08 [0.2]	0.58 [1.4]	1.21 [3.0]	1.05 [2.6]	0.142 [0.3]	0.123 [0.3]	
3500 [1652]	1.02	1.05	1.01	0.09 [0.2]	0.62 [1.5]	1.29 [3.2]	1.09 [2.7]	0.147 [0.4]	0.131 [0.3]	
3600 [1699]	1.02	1.06	1.02	0.09 [0.2]	0.66 [1.6]	1.36 [3.4]	1.13 [2.8]	0.152 [0.4]	0.138 [0.3]	

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

P. APPENDICES

Appendix C – Air Flow Performance Data (Cont.)

Model (-)GEDYB102 - Downflow		Voltage 200/230, 460, 575 — 3 phase 60 Hz																			
Air Flow		External Static Pressure - Inches of Water [Pa]																			
CFM [L/s]		0.1 [0.2]	0.2 [0.6]	0.3 [0.7]	0.4 [1.0]	0.5 [1.2]	0.6 [1.5]	0.7 [1.7]	0.8 [2.0]	0.9 [2.2]	1.0 [2.5]	1.1 [2.7]	1.2 [3.0]	1.3 [3.2]	1.4 [3.5]	1.5 [3.7]	1.6 [4.0]	1.7 [4.2]	1.8 [4.5]	1.9 [4.7]	2.0 [5.0]
RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2700 [127.4]	—	561	884	586	934	631	975	665	1018	688	1062	730	1108	762	1155	793	1203	823	1253	853	1304
2800 [132.1]	—	573	927	608	969	642	1013	676	1058	706	1104	740	1152	771	1201	802	1252	832	1304	861	1358
2900 [136.8]	—	—	586	964	620	1008	654	1054	687	1101	719	1150	750	1200	781	1262	811	1305	840	1360	869
3000 [141.6]	564	950	999	1004	633	1051	666	1099	698	1149	730	1200	761	1253	791	1307	820	1382	849	1419	877
3100 [146.3]	578	1001	612	1048	645	1088	678	1148	710	1200	741	1254	771	1308	801	1365	830	1428	858	1482	886
3200 [151.0]	592	1046	625	1096	658	1148	690	1201	721	1255	752	1311	782	1368	811	1427	840	1487	867	1548	894
3300 [155.7]	605	1096	638	1148	671	1202	702	1257	733	1314	763	1372	793	1432	821	1493	849	1555	877	1619	903
3400 [160.4]	619	1149	652	1204	684	1260	715	1317	746	1376	775	1437	804	1499	832	1562	860	1627	886	1693	912
3500 [165.2]	634	1206	666	1263	697	1322	728	1382	758	1443	787	1506	815	1570	843	1635	870	1702	896	1771	922
3600 [169.9]	648	1267	680	1326	711	1387	741	1448	770	1513	799	1578	827	1645	854	1713	880	1782	906	1853	931
3700 [174.6]	663	1332	694	1393	724	1456	754	1521	783	1587	811	1654	838	1723	865	1793	891	1865	916	1938	941
3800 [179.3]	678	1400	708	1464	738	1529	767	1596	795	1665	823	1734	850	1805	876	1878	902	1952	926	2028	951
3900 [184.0]	693	1472	723	1538	752	1606	781	1675	808	1746	836	1818	862	1892	888	1966	913	2043	937	2121	961
4000 [188.8]	708	1548	737	1617	766	1687	794	1759	822	1831	848	1906	874	1981	900	2059	924	2137	948	2218	971
4100 [193.5]	723	1628	752	1699	781	1771	808	1845	835	1920	861	1987	887	2075	911	2155	935	2238	959	2318	981

NOTE: F-Drive left of the first bold line, G-Drive between the bold lines, H-Drive right of both bold line.

Drive Package	F	G	H
Motor H.P. [W]	2 [1491.4]	3 [2237.1]	3 [2237.1]
Blower Sheave	AK79H	AK79H	AK79H
Motor Sheave	1VL40	1VP50	1VP56
Belt	A49	A50	A51
Turns Open	0	1	2
RPM	804	758	710
	1	2	3
	561	616	559
	661	710	661
	710	758	804
	804	858	904
	904	954	1004
	1004	1054	1104
	1104	1154	1204
	1204	1254	1304
	1304	1354	1404
	1404	1454	1504
	1504	1554	1604
	1604	1654	1704
	1704	1754	1804
	1804	1854	1904
	1904	1954	2004
	2004	2054	2104
	2104	2154	2204
	2204	2254	2304
	2304	2354	2404
	2404	2454	2504
	2504	2554	2604
	2604	2654	2704
	2704	2754	2804
	2804	2854	2904
	2904	2954	3004
	3004	3054	3104
	3104	3154	3204
	3204	3254	3304
	3304	3354	3404
	3404	3454	3504
	3504	3554	3604
	3604	3654	3704
	3704	3754	3804
	3804	3854	3904
	3904	3954	4004
	4004	4054	4104
	4104	4154	4204
	4204	4254	4304
	4304	4354	4404
	4404	4454	4504
	4504	4554	4604
	4604	4654	4704
	4704	4754	4804
	4804	4854	4904
	4904	4954	5004
	5004	5054	5104
	5104	5154	5204
	5204	5254	5304
	5304	5354	5404
	5404	5454	5504
	5504	5554	5604
	5604	5654	5704
	5704	5754	5804
	5804	5854	5904
	5904	5954	6004
	6004	6054	6104
	6104	6154	6204
	6204	6254	6304
	6304	6354	6404
	6404	6454	6504
	6504	6554	6604
	6604	6654	6704
	6704	6754	6804
	6804	6854	6904
	6904	6954	7004
	7004	7054	7104
	7104	7154	7204
	7204	7254	7304
	7304	7354	7404
	7404	7454	7504
	7504	7554	7604
	7604	7654	7704
	7704	7754	7804
	7804	7854	7904
	7904	7954	8004
	8004	8054	8104
	8104	8154	8204
	8204	8254	8304
	8304	8354	8404
	8404	8454	8504
	8504	8554	8604
	8604	8654	8704
	8704	8754	8804
	8804	8854	8904
	8904	8954	9004
	9004	9054	9104
	9104	9154	9204
	9204	9254	9304
	9304	9354	9404
	9404	9454	9504
	9504	9554	9604
	9604	9654	9704
	9704	9754	9804
	9804	9854	9904
	9904	9954	10004
	10004	10054	10104
	10104	10154	10204
	10204	10254	10304
	10304	10354	10404
	10404	10454	10504
	10504	10554	10604
	10604	10654	10704
	10704	10754	10804
	10804	10854	10904
	10904	10954	11004
	11004	11054	11104
	11104	11154	11204
	11204	11254	11304
	11304	11354	11404
	11404	11454	11504
	11504	11554	11604
	11604	11654	11704
	11704	11754	11804
	11804	11854	11904
	11904	11954	12004
	12004	12054	12104
	12104	12154	12204
	12204	12254	12304
	12304	12354	12404
	12404	12454	12504
	12504	12554	12604
	12604	12654	12704
	12704	12754	12804
	12804	12854	12904
	12904	12954	13004
	13004	13054	13104
	13104	13154	13204
	13204	13254	13304
	13304	13354	13404
	13404	13454	13504
	13504	13554	13604
	13604	13654	13704
	13704	13754	13804
	13804	13854	13904
	13904	13954	14004
	14004	14054	14104
	14104	14154	14204
	14204	14254	14304
	14304	14354	14404
	14404	14454	14504
	14504	14554	14604
	14604	14654	14704
	14704	14754	14804
	14804	14854	14904
	14904	14954	15004
	15004	15054	15104
	15104	15154	15204
	15204	15254	15304
	15304	15354	15404
	15404	15454	15504
	15504	15554	15604
	15604	15654	15704
	15704	15754	15804
	15804	15854	15904
	15904	15954	16004
	16004	16054	16104
	16104	16154	16204
	16204	16254	16304
	16304	16354	16404
	16404	16454	16504
	16504	16554	16604
	16604	16654	16704
	16704	16754	16804
	16804	16854	16904
	16904	16954	17004
	17004	17054	17104
	17104	17154	17204
	17204	17254	17304
	17304	17354	17404
	17404	17454	17504
	17504	17554	17604
	17604	17654	17704
	17704	17754	17804
	17804	17854	17904
	17904	17954	18004
	18004	18054	18104
	18104	18154	18204
	18204	18254	18304
	18304	18354	18404
	18404	18454	18504
	18504	18554	18604
	18604	18654	18704
	18704	18754	18804
	18804	18854	18904
	18904	18954	19004
	19004	19054	19104
	19104	19154	19204
	19204	19254	19304
	19304	19354	19404
	19404	19454	19504
	19504	19554	19604
	19604	19654	19704
	19704	19754	19804
	19804	19854	19904
	19904	19954	20004
	20004	20054	20104
	20104	20154	20204
	20204	20254	20304
	20304	20354	20404
	20404	20454	20504
	20504	20554	20604
	20604	20654	20704
	20704	20754	20804
	20804	20854	20904
	20904	20954	21004
	21004	21054	21104
	21104	21154	21204
	21204	21254	21304
	21304	21354	21404
	21404	21454	21504
	21504	21554	21604
	21604	21654	21704
	21704	21754	21804
	21804	21854	21904
	21904	21954	22004
	22004	22054	22104
	22104	22154	22204
	22204	22254	22304
	22304	22354	22404
	22404	22454	22504
	22504	22554	22604
	22604	22654	22

Appendix C – Air Flow Performance Data (Cont.)

Model (-)GEDYB102 - Sidelow		Voltage 208/230, 460, 575 — 3 phase 60 Hz																																						
Air Flow		External Static Pressure - Inches of Water [KPa]																																						
CFM [L/s]		0.1 [0.03]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]	1.6 [0.40]	1.7 [0.42]	1.8 [0.45]	1.9 [0.47]	2.0 [0.50]																			
RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP																			
2700 [1274]	—	—	—	577	932	611	969	644	1009	677	1052	710	1098	742	1147	774	1189	806	1254	837	1312	868	1373	898	1437	929	1505	959	1575	988	1648	1017	1725	1046	1804	1074	1866	1102	1972	
2800 [1321]	—	—	556	926	589	962	622	1000	655	1042	687	1087	719	1134	751	1185	783	1239	814	1295	844	1355	875	1418	905	1484	934	1553	963	1624	992	1669	1021	1777	1049	1859	1077	1942	1105	2029
2900 [1368]	—	—	568	958	601	995	633	1036	666	1079	697	1125	729	1174	760	1227	791	1282	821	1340	851	1402	881	1466	911	1533	940	1604	968	1677	997	1754	1025	1834	1052	1916	1080	2002	1107	2090
3000 [1416]	—	—	580	994	613	1033	645	1074	676	1119	708	1167	738	1218	769	1272	799	1329	829	1389	859	1452	888	1518	917	1587	945	1659	973	1734	1001	1812	1029	1894	1056	1978	1082	2065	1109	2155
3100 [1463]	561	996	593	1033	624	1073	656	1117	687	1163	718	1213	748	1265	778	1321	808	1379	837	1441	866	1506	895	1573	923	1644	951	1718	978	1794	1006	1874	1033	1887	1059	2043	1085	2132	1111	2224
3200 [1510]	574	1037	605	1076	636	1118	667	1163	698	1211	728	1262	758	1316	787	1373	816	1434	845	1497	873	1563	902	1632	929	1705	957	1780	984	1858	1010	1940	1037	2024	1063	2112	1088	2202	1113	2296
3300 [1557]	587	1082	618	1122	648	1166	679	1212	709	1262	738	1315	767	1371	796	1430	825	1491	853	1556	881	1624	908	1695	936	1769	982	1846	989	1926	1015	2095	1066	2164	1091	2276	1116	2371		
3400 [1604]	600	1130	630	1172	660	1217	690	1266	720	1317	749	1371	777	1429	806	1489	834	1553	861	1619	888	1689	915	1761	942	1837	968	1916	994	1997	1020	2062	1045	2170	1070	2260	1094	2354	1118	2451
3500 [1652]	613	1182	643	1226	672	1273	702	1323	730	1376	759	1432	787	1491	815	1553	842	1616	869	1686	886	1757	922	1831	948	1909	974	1989	999	2072	1024	2158	1049	2248	1073	2340	1097	2436	1121	2534
3600 [1699]	626	1238	656	1283	685	1332	713	1383	741	1438	769	1495	797	1556	824	1620	851	1687	877	1756	904	1829	929	1905	955	1884	980	2066	1005	2151	1029	2238	1053	2329	1077	2423	1100	2520	1123	2621
3700 [1746]	640	1297	668	1344	697	1394	725	1447	753	1504	780	1563	807	1625	833	1690	860	1759	886	1830	911	1905	937	1982	961	2063	986	2146	1010	2233	1034	2322	1057	2415	1081	2510	1103	2608	1126	2711
3800 [1793]	653	1360	681	1409	709	1460	737	1515	764	1573	790	1634	817	1698	843	1765	869	1835	884	1908	919	1984	944	2063	968	2145	992	2230	1016	2318	1039	2410	1062	2504	1084	2601	1107	2701	1128	2805
3900 [1840]	667	1426	694	1477	721	1530	748	1587	775	1646	801	1709	827	1774	852	1843	878	1914	902	1989	927	2067	951	2147	975	2231	988	2318	1021	2408	1044	2500	1066	2596	1088	2685	1110	2797	1131	2902
4000 [1888]	680	1496	707	1548	734	1604	760	1662	786	1723	812	1787	837	1854	862	1924	887	1988	911	2074	935	2153	958	2235	981	2321	1004	2409	1027	2501	1049	2595	1071	2683	1092	2768	1113	2897	1134	3003
4100 [1935]	694	1570	720	1624	746	1681	772	1740	797	1803	822	1869	847	1938	872	2009	896	2094	919	2162	943	2243	965	2327	988	2414	1010	2504	1032	2597	1054	2693	1076	2792	1096	2885	1116	3000	1137	3108

NOTE: F-Drive left of the first bold line, G-Drive between the bold lines, H-Drive right of both bold line.

Drive Package	F					G					H							
Motor H.P. [W]	2 [1491.4]					3 [2237.1]					3 [2237.1]							
Blower Sheave	AK79H					AK79H					AK79H							
Motor Sheave	1VL40					1VP50					1VP56							
Belt	A49					A50					A51							
Turns Open	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5
RPM	802	754	707	662	616	555	1048	1005	960	916	870	827	787	743	699	655	611	567

- Notes:
1. Factory shaver settings are shown in bold type.
 2. Do not set shaver below minimum or maximum turns open shown.
 3. Re-adjustment of shaver required to achieve rated airflow at AHR minimum External Static Pressure.
 4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

Airflow	AIRFLOW CORRECTION FACTORS *				COMPONENT AIRFLOW RESISTANCE						
					Wet Coil	Horizontal Economizer RA Damper Open	Concentric Diffuser RXRN-AEF2000 & Concentric Adapter RXMC-DD01 (Flush)	Concentric Diffuser RXRN-AED2000 & Concentric Adapter RXMC-DD01 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13	
CFM [L/s]	Total kBTU/h	Sensible kBTU/h	Power kW					Resistance — Inches of Water [kPa]			
2700 [1274]	0.97	0.93	0.99		0.07 [0.02]	0.32 [0.08]	0.80 [0.20]	0.65 [0.16]	0.108 [0.03]	0.070 [0.02]	
2800 [1321]	0.98	0.94	0.99		0.07 [0.02]	0.36 [0.09]	0.85 [0.21]	0.69 [0.17]	0.113 [0.03]	0.078 [0.02]	
2900 [1368]	0.98	0.96	0.99		0.08 [0.02]	0.39 [0.10]	0.91 [0.23]	0.74 [0.18]	0.117 [0.03]	0.085 [0.02]	
3000 [1416]	0.99	0.97	1.00		0.08 [0.02]	0.43 [0.11]	0.96 [0.24]	0.79 [0.20]	0.122 [0.03]	0.093 [0.02]	
3100 [1463]	0.99	0.99	1.00		0.09 [0.02]	0.47 [0.12]	1.02 [0.25]	0.86 [0.21]	0.127 [0.03]	0.100 [0.02]	
3200 [1510]	1.00	1.00	1.00		0.10 [0.02]	0.51 [0.13]	1.08 [0.27]	0.92 [0.23]	0.132 [0.03]	0.108 [0.03]	
3300 [1557]	1.01	1.01	1.00		0.10 [0.03]	0.54 [0.14]	1.15 [0.29]	0.99 [0.25]	0.137 [0.03]	0.115 [0.03]	
3400 [1604]	1.01	1.03	1.01		0.11 [0.03]	0.58 [0.14]	1.21 [0.30]	1.05 [0.26]	0.142 [0.03]	0.123 [0.03]	
3500 [1652]	1.02	1.04	1.01		0.11 [0.04]	0.62 [0.15]	1.29 [0.32]	1.09 [0.27]	0.147 [0.04]	0.131 [0.03]	
3600 [1699]	1.02	1.06	1.01		0.12 [0.03]	0.66 [0.16]	1.36 [0.34]	1.13 [0.28]	0.152 [0.04]	0.138 [0.03]	
3700 [1746]	1.03	1.07	1.02		0.13 [0.03]	0.70 [0.17]	1.43 [0.36]	1.18 [0.29]	0.157 [0.04]	0.146 [0.04]	
3800 [1793]	1.03	1.09	1.02		0.13 [0.03]	0.74 [0.18]	1.50 [0.37]	1.23 [0.31]	0.162 [0.04]	0.153 [0.04]	
3900 [1840]	1.04	1.10	1.02		0.14 [0.04]	0.77 [0.19]	1.59 [0.40]	1.31 [0.33]	0.167 [0.04]	0.161 [0.04]	
4000 [1888]	1.05	1.12	1.02		0.15 [0.04]	0.81 [0.20]	1.68 [0.42]	1.38 [0.34]	0.171 [0.04]	0.169 [0.04]	
4100 [1935]	1.05	1.13	1.03		0.15 [0.04]	0.85 [0.21]	1.74 [0.43]	1.44 [0.36]	0.176 [0.04]	0.176 [0.04]	

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

Appendix C – Air Flow Performance Data (Cont.)

NOTE: F-Drive left of the first bold line, G-Drive between the bold lines, H-Drive right of both bold line.

Notes:

1. Factory sheave settings are shown in bold type.
2. Do not set sheave below minimum or maximum turns open shown.
3. Re-adjustment of sheave required to achieve rated airflow at AHRJ minimum External Static Pressure.
4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

ntMultiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

NOTE: F-Drive left of the first bold line, G-Drive between the bold lines, H-Drive right of both bold line.

Notes:

1. Factory sheave settings are shown in bold type.
Do not set sheave below minimum or maximum turns open shown.
2. Re-adjustment of sheave required to achieve rated airflow at AHRJ minimum External Static Pressure.
3. Add component resistance (below) to duct resistance to determine total External Static Pressure.
4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

Factor times gross performance data resulting sensible capacity cannot exceed total capacity.

P. APPENDICES

Appendix C – Air Flow Performance Data (Cont.)

Model (-) QJEDYB150 - Downflow																									Voltage 208/230, 460, 575 – 3 phase 60 Hz																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Air Flow CFM [L/s]		External Static Pressure - Inches of Water [Pa]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		0.1 [0.02]				0.2 [0.05]				0.3 [0.07]				0.4 [0.10]				0.5 [1.12]				0.6 [1.15]				0.7 [1.17]				0.8 [2.00]				0.9 [2.22]				1.0 [2.29]				1.1 [2.27]				1.2 [3.00]				1.3 [3.32]				1.4 [3.59]				1.5 [3.77]				1.6 [4.00]				1.7 [4.42]				1.8 [4.45]				1.9 [4.47]				2.0 [5.00]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP

Appendix C – Air Flow Performance Data (Cont.)

Drive Package	F			G		
Motor H.P. [W]	3 [2337.1]			5 [3728.5]		
Blower Sheave	AK71H			AK79H		
Motor Sheave	1VL44			1VP60		
Belt	A48			A52		
Turns Open	0	1	2	3	4	5
RPM	1002	955	909	862	813	765
				1208	1171	1127
				1084	1038	995

* Factory sheave settings are shown in bold type.
 † Do not set sheave below minimum or maximum turns open shown.
 ‡ Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure.
 § Add component resistance (below) to duct resistance to determine total External Static Pressure

Airflow	AIRFLOW CORRECTION FACTORS *			COMPONENT AIRFLOW RESISTANCE					
	Total kBtuh	Sensible kBtuh	Power kW	Wet Coil	Horizontal Economizer RA Damper Open	Concentric Diffuser R40N-NEF3618 & Concentric Adapter R40N-C-D003 (Push)	Concentric Diffuser R40N-AED3618 & Concentric Adapter R40N-C-D003 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13
CFM [L/s]						Resistance – Inches of Water			
4000 [1888]	1.01	1.03	1.01	0.15 [04]	0.75 [18]	0.76 [19]	0.68 [17]	0.132 [03]	0.108 [03]
4100 [1935]	1.02	1.04	1.01	0.16 [04]	0.76 [19]	0.79 [20]	0.72 [18]	0.136 [03]	0.114 [03]
4200 [1982]	1.02	1.06	1.01	0.17 [04]	0.83 [21]	0.82 [20]	0.75 [19]	0.140 [03]	0.120 [03]
4300 [2029]	1.03	1.07	1.01	0.17 [04]	0.88 [22]	0.88 [21]	0.79 [20]	0.144 [03]	0.126 [03]
4400 [2076]	1.03	1.08	1.01	0.18 [05]	0.85 [23]	0.90 [22]	0.83 [21]	0.148 [04]	0.132 [03]
4500 [2123]	1.04	1.09	1.02	0.18 [05]	0.88 [24]	0.94 [23]	0.86 [21]	0.152 [04]	0.138 [03]
4600 [2171]	1.04	1.11	1.02	0.20 [05]	1.03 [26]	0.98 [24]	0.89 [22]	0.156 [04]	0.145 [04]
4700 [2218]	1.05	1.12	1.02	0.21 [05]	1.07 [27]	1.02 [25]	0.94 [23]	0.160 [04]	0.151 [04]
4800 [2265]	1.05	1.13	1.02	0.22 [06]	1.12 [28]	1.06 [26]	0.98 [24]	0.164 [04]	0.157 [04]
4900 [2312]	1.06	1.14	1.02	0.22 [06]	1.17 [29]	1.10 [27]	1.01 [25]	0.168 [04]	0.163 [04]
5000 [2359]	1.06	1.16	1.03	0.23 [06]	1.21 [30]	1.14 [28]	1.04 [26]	0.172 [04]	0.169 [04]
5100 [2407]	1.07	1.17	1.03	0.24 [06]	1.26 [31]	1.18 [29]	1.07 [27]	0.176 [04]	0.175 [04]
5200 [2454]	1.07	1.18	1.03	0.25 [06]	1.30 [32]	1.22 [30]	1.10 [27]	0.180 [04]	0.182 [04]
5300 [2501]	1.08	1.19	1.03	0.26 [06]	1.35 [34]	1.27 [32]	1.15 [29]	0.184 [05]	0.188 [05]
5400 [2548]	1.08	1.21	1.03	0.27 [07]	1.39 [35]	1.33 [33]	1.20 [30]	0.188 [05]	0.194 [05]
5500 [2595]	1.09	1.22	1.04	0.28 [07]	1.44 [36]	1.37 [34]	1.25 [31]	0.192 [05]	0.200 [05]
5600 [2643]	1.09	1.23	1.04	0.28 [07]	1.48 [37]	1.42 [35]	1.30 [32]	0.196 [05]	0.206 [05]
5700 [2690]	1.10	1.24	1.04	0.30 [07]	1.52 [38]	1.47 [37]	1.34 [33]	0.200 [05]	0.212 [05]
5800 [2737]	1.10	1.26	1.04	0.31 [08]	1.57 [39]	1.52 [38]	1.38 [34]	0.204 [05]	0.219 [05]
5900 [2784]	1.11	1.27	1.05	0.33 [08]	1.61 [40]	1.56 [39]	1.42 [35]	0.208 [05]	0.225 [05]
6000 [2831]	1.11	1.28	1.05	0.33 [08]	1.65 [41]	1.60 [40]	1.45 [36]	0.212 [05]	0.231 [06]

•Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

P. APPENDICES

Appendix D – Cooling Data for (-)GEDYB 7.5 Ton

COOLING PERFORMANCE DATA - (-)GEDYB090											
Entering Indoor Air @ 80°F [26.7°C] dbE 1											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		3550 [1675]	3400 [1605]	2375 [1121]	3550 [1675]	3400 [1605]	2375 [1121]	3550 [1675]	3400 [1605]	2375 [1121]	
DR		.05	.09	.12	.05	.09	.12	.05	.09	.12	
Outdoor Dry Bulb Temperature	75°F [23.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	105 [30.8] 60 [17.6] 6.4	104.1 [30.5] 58.8 [17.2] 6.4	98.4 [28.8] 50.5 [14.8] 6.2	99.4 [29.1] 70.9 [20.8] 6.4	98.6 [28.9] 69.4 [20.3] 6.4	93.2 [27.3] 59.7 [17.5] 6.2	93.8 [27.5] 81.7 [23.9] 6.4	93 [27.3] 80.1 [23.5] 6.3	87.9 [25.8] 68.8 [20.2] 6.2
	80°F [26.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	102.5 [30] 59 [17.3] 6.7	101.7 [29.8] 57.8 [16.9] 6.7	96.1 [28.2] 49.7 [14.6] 6.5	96.9 [28.4] 69.9 [20.5] 6.7	96.1 [28.2] 68.5 [20.1] 6.6	90.9 [26.6] 58.8 [17.2] 6.5	91.3 [26.8] 80.7 [23.7] 6.6	90.6 [26.6] 79.1 [23.2] 6.6	85.6 [25.1] 68 [19.9] 6.4
	85°F [29.4°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	100 [29.3] 58 [17] 7.0	99.2 [29.1] 56.8 [16.6] 7.0	93.8 [27.5] 48.8 [14.3] 6.8	94.4 [27.7] 68.9 [20.2] 7.0	93.7 [27.5] 67.5 [19.8] 6.9	88.6 [26] 58 [17] 6.7	88.8 [26] 79.8 [23.4] 6.9	88.1 [25.8] 78.1 [22.9] 6.9	83.3 [24.4] 67.2 [19.7] 6.7
	90°F [32.2°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	97.6 [28.6] 57 [16.7] 7.3	96.8 [28.4] 55.9 [16.4] 7.3	91.5 [26.8] 48 [14.1] 7.1	92 [27] 67.9 [19.9] 7.3	91.3 [26.8] 66.5 [19.5] 7.2	86.2 [25.3] 57.2 [16.8] 7.1	86.4 [25.3] 78.8 [23.1] 7.2	85.7 [25.1] 77.2 [22.6] 7.2	81 [23.7] 66.3 [19.4] 7.0
	95°F [35°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	95.1 [27.9] 56 [16.4] 7.6	94.4 [27.7] 54.9 [16.1] 7.6	89.2 [26.1] 47.2 [13.8] 7.4	89.5 [26.2] 66.9 [19.6] 7.6	88.8 [26] 65.6 [19.2] 7.6	83.9 [24.6] 56.3 [16.5] 7.4	83.9 [24.6] 77.8 [22.8] 7.6	83.3 [24.4] 76.2 [22.3] 7.5	78.7 [23.1] 65.5 [19.2] 7.3
	100°F [37.8°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	92.7 [27.2] 55.1 [16.1] 8.0	91.9 [26.9] 54 [15.8] 8.0	86.9 [25.5] 46.4 [13.6] 7.8	87.1 [25.5] 65.9 [19.3] 8.0	86.4 [25.3] 64.6 [18.9] 7.9	81.6 [23.9] 55.5 [16.3] 7.7	81.5 [23.9] 76.8 [22.5] 7.9	80.8 [23.7] 75.3 [22.1] 7.9	76.4 [22.4] 64.7 [19] 7.7
	105°F [40.6°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	90.2 [26.4] 54.1 [15.9] 8.4	89.5 [26.2] 53 [15.5] 8.4	84.6 [24.8] 45.5 [13.3] 8.1	84.6 [24.8] 65 [19.1] 8.3	83.9 [24.6] 63.6 [18.6] 8.3	79.3 [23.2] 54.7 [16] 8.1	79 [23.2] 75.8 [22.2] 8.3	78.4 [23] 74.3 [21.8] 8.3	74.1 [21.7] 63.8 [18.7] 8.1
	110°F [43.3°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	87.8 [25.7] 53.1 [15.6] 8.8	87.1 [25.5] 52 [15.2] 8.8	82.3 [24.1] 44.7 [13.1] 8.5	82.2 [24.1] 64 [18.8] 8.7	81.5 [23.9] 62.7 [18.4] 8.7	77 [22.6] 53.9 [15.8] 8.5	76.6 [22.5] 74.8 [21.9] 8.7	75.9 [22.2] 73.3 [21.5] 8.7	71.8 [21] 63 [18.5] 8.4
	115°F [46.1°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	85.3 [25] 52.1 [15.3] 9.2	84.6 [24.8] 51.1 [15] 9.2	80 [23.4] 43.9 [12.9] 8.9	79.7 [23.4] 63 [18.5] 9.2	79.1 [23.2] 61.7 [18.1] 9.1	74.7 [21.9] 53 [15.5] 8.9	74.1 [21.7] 73.9 [21.7] 9.1	73.5 [21.5] 72.4 [21.2] 9.1	69.5 [20.4] 62.2 [18.2] 8.9
	120°F [48.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	82.8 [24.3] 51.1 [15] 9.7	82.2 [24.1] 50.1 [14.7] 9.6	77.7 [22.8] 43.1 [12.6] 9.4	77.2 [22.6] 62 [18.2] 9.6	76.6 [22.5] 60.8 [17.8] 9.6	72.4 [21.2] 52.2 [15.3] 9.3	71.6 [21] 71.6 [21] 9.6	71.1 [20.8] 71.1 [20.8] 9.5	67.2 [19.7] 61.4 [18] 9.3
	125°F [51.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	80.4 [23.6] 50.1 [14.7] 10.1	79.7 [23.4] 49.1 [14.4] 10.1	75.4 [22.1] 42.2 [12.4] 9.8	74.8 [21.9] 61 [17.9] 10.1	74.2 [21.7] 59.8 [17.5] 10.0	70.1 [20.5] 51.4 [15.1] 9.8	69.2 [20.3] 69.2 [20.3] 10.0	68.6 [20.1] 68.6 [20.1] 10.0	64.9 [19] 60.5 [17.7] 9.7

DR —Depression ratio Total —Total capacity x 1000 BTUH NOTES:

dbE —Entering air dry bulb Sens —Sensible capacity x 1000 BTUH. When the entering air dry bulb is other than 80°F [27°C], adjust the sensible

wbE—Entering air wet bulb Power—KW input capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

Appendix D – Cooling Data for (-)GEDYB 8.5 Ton

COOLING PERFORMANCE DATA - (-)GEDYB102											
Entering Indoor Air @ 80°F [26.7°C] dBE 1											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			3900 [1841]	3300 [1557]	2600 [1227]	3900 [1841]	3300 [1557]	2600 [1227]	3900 [1841]	3300 [1557]	2600 [1227]
DR			.05	.09	.12	.05	.09	.12	.05	.09	.12
Outdoor Dry Bulb Temperature	75°F [23.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	119.4 [35] 69.7 [20.4] 7.3	115.6 [33.9] 64.3 [18.8] 7.2	111.1 [32.6] 57.9 [17] 7.1	112.3 [32.9] 83 [24.3] 7.3	108.7 [31.9] 76.5 [22.4] 7.2	104.6 [30.7] 68.9 [20.2] 7.1	106 [31.1] 95.9 [28.1] 7.2	102.6 [30.1] 88.4 [25.9] 7.1	98.6 [28.9] 79.7 [23.4] 6.9
	80°F [26.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	116.8 [34.2] 68.4 [20] 7.7	113 [33.1] 63 [18.5] 7.6	108.7 [31.9] 56.8 [16.6] 7.5	109.7 [32.2] 81.6 [23.9] 7.7	106.2 [31.1] 75.3 [22.1] 7.6	102.1 [29.9] 67.8 [19.9] 7.4	103.3 [30.3] 94.6 [27.7] 7.5	100 [29.3] 87.2 [25.6] 7.4	96.2 [28.2] 78.5 [23] 7.3
	85°F [29.4°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	114 [33.4] 66.9 [19.6] 8.1	110.3 [32.3] 61.7 [18.1] 8.0	106.1 [31.1] 55.6 [16.3] 7.8	106.9 [31.3] 80.2 [23.5] 8.1	103.5 [30.3] 73.9 [21.7] 7.9	99.5 [29.2] 66.6 [19.5] 7.8	100.5 [29.5] 93.1 [27.3] 7.9	97.3 [28.5] 85.8 [25.1] 7.8	93.6 [27.4] 77.3 [22.7] 7.7
	90°F [32.2°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	111 [32.5] 65.4 [19.2] 8.5	107.5 [31.5] 60.3 [17.7] 8.3	103.3 [30.3] 54.3 [15.9] 8.2	103.9 [30.5] 78.6 [23] 8.4	100.6 [29.5] 72.5 [21.2] 8.3	96.7 [28.3] 65.3 [19.1] 8.1	97.6 [28.6] 91.6 [26.8] 8.3	94.5 [27.7] 84.4 [24.7] 8.2	90.8 [26.6] 76.1 [22.3] 8.0
	95°F [35°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	107.9 [31.6] 63.7 [18.7] 8.9	104.5 [30.6] 58.7 [17.2] 8.7	100.4 [29.4] 52.9 [15.5] 8.6	100.8 [29.5] 77 [22.6] 8.8	97.6 [28.6] 71 [20.8] 8.7	93.8 [27.5] 63.9 [18.7] 8.5	94.5 [27.7] 89.9 [26.3] 8.7	91.4 [26.8] 82.9 [24.3] 8.5	87.9 [25.8] 74.7 [21.9] 8.4
	100°F [37.8°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	104.6 [30.7] 62 [18.2] 9.2	101.3 [29.7] 57.1 [16.7] 9.1	97.4 [28.5] 51.5 [15.1] 8.9	97.6 [28.6] 75.2 [22] 9.2	94.4 [27.7] 69.4 [20.3] 9.0	90.8 [26.6] 62.5 [18.3] 8.9	91.2 [26.7] 88.2 [25.8] 9.1	88.3 [25.9] 81.3 [23.8] 8.9	84.9 [24.9] 73.2 [21.5] 8.7
	105°F [40.6°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	101.2 [29.7] 60.1 [17.6] 9.6	98 [28.7] 55.4 [16.2] 9.5	94.2 [27.6] 49.9 [14.6] 9.3	94.1 [27.6] 73.4 [21.5] 9.6	91.1 [26.7] 67.6 [19.8] 9.4	87.6 [25.7] 60.9 [17.8] 9.2	87.8 [25.7] 86.3 [25.3] 9.4	85 [24.9] 79.5 [23.3] 9.3	81.7 [23.9] 71.7 [21] 9.1
	110°F [43.3°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	97.6 [28.6] 58.1 [17] 10.0	94.5 [27.7] 53.6 [15.7] 9.8	90.9 [26.6] 48.3 [14.2] 9.6	90.6 [26.6] 71.4 [20.9] 9.9	87.7 [25.7] 65.8 [19.3] 9.8	84.3 [24.7] 59.3 [17.4] 9.6	84.2 [24.7] 84.2 [24.7] 9.8	81.5 [23.9] 77.7 [22.8] 9.7	78.4 [23] 70 [20.5] 9.5
	115°F [46.1°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	93.9 [27.5] 56.1 [16.4] 10.4	90.9 [26.6] 51.7 [15.2] 10.2	87.4 [25.6] 46.6 [13.7] 10.0	86.8 [25.4] 69.3 [20.3] 10.3	84.1 [24.6] 63.9 [18.7] 10.2	80.8 [23.7] 57.6 [16.9] 10.0	80.5 [23.6] 80.5 [23.6] 10.2	77.9 [22.8] 75.8 [22.2] 10.0	74.9 [22] 68.3 [20] 9.8
	120°F [48.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	90 [26.4] 53.9 [15.8] 10.7	87.2 [25.6] 49.7 [14.6] 10.6	83.8 [24.6] 44.8 [13.1] 10.4	83 [24.3] 67.2 [19.7] 10.7	80.3 [23.5] 61.9 [18.1] 10.5	77.2 [22.6] 55.8 [16.4] 10.3	76.6 [22.5] 76.6 [22.5] 10.6	74.1 [21.7] 73.8 [21.6] 10.4	71.3 [20.9] 66.5 [19.5] 10.2
	125°F [51.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	86 [25.2] 51.6 [15.1] 11.1	83.2 [24.4] 47.6 [14] 10.9	80 [23.4] 42.9 [12.6] 10.7	78.9 [23.1] 64.9 [19] 11.1	76.4 [22.4] 59.8 [17.5] 10.9	73.4 [21.5] 53.9 [15.8] 10.7	72.6 [21.3] 72.6 [21.3] 10.9	70.2 [20.6] 70.2 [20.6] 10.8	67.5 [19.8] 64.6 [18.9] 10.6

DR —Depression ratio Total —Total capacity x 1000 BTUH NOTES:

dbE —Entering air dry bulb Sens —Sensible capacity x 1000 BTUH. When the entering air dry bulb is other than 80°F [27°C], adjust the sensible

wbE—Entering air wet bulb Power—KW input capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

P. APPENDICES

Appendix D – Cooling Data for (-)GEDYB 10 Ton

COOLING PERFORMANCE DATA – (-)GEDYB120											
Entering Indoor Air @ 80°F [26.7°C] dbE 1											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		4925 [2324]	4000 [1888]	3275 [1546]	4925 [2324]	4000 [1888]	3275 [1546]	4925 [2324]	4000 [1888]	3275 [1546]	
DR		.05	.09	.12	.05	.09	.12	.05	.09	.12	
Outdoor Dry Bulb Temperature	75°F [23.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	151 [44.3] 89.7 [26.3] 9.3	144.9 [42.5] 80.9 [23.7] 9.1	140.1 [41.1] 74.1 [21.7] 9.0	141.7 [41.5] 109.5 [32.1] 9.2	136 [39.9] 98.8 [29] 9.0	131.5 [38.5] 90.4 [26.5] 8.9	134 [39.3] 130.8 [38.3] 9.1	128.5 [37.7] 118.1 [34.6] 8.9	124.3 [36.4] 108.1 [31.7] 8.7
	80°F [26.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	147.9 [43.3] 88.4 [25.9] 9.7	141.9 [41.6] 79.8 [23.4] 9.5	137.3 [40.2] 73 [21.4] 9.3	138.6 [40.6] 108.2 [31.7] 9.6	133 [39] 97.6 [28.6] 9.4	128.6 [37.7] 89.4 [26.2] 9.2	130.9 [38.4] 129.5 [38] 9.5	125.6 [36.8] 116.9 [34.3] 9.3	121.4 [35.6] 107 [31.4] 9.1
	85°F [29.4°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	144.6 [42.4] 86.9 [25.5] 10.1	138.8 [40.7] 78.5 [23] 9.9	134.2 [39.3] 71.8 [21] 9.7	135.3 [39.7] 106.7 [31.3] 10.0	129.8 [38] 96.3 [28.2] 9.8	125.6 [36.8] 88.2 [25.8] 9.6	127.6 [37.4] 127.6 [37.4] 9.8	122.4 [35.9] 115.6 [33.9] 9.6	118.4 [34.7] 105.8 [31] 9.5
	90°F [32.2°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	141.1 [41.4] 85.4 [25] 10.4	135.4 [39.7] 77 [22.6] 10.2	130.9 [38.4] 70.5 [20.7] 10.1	131.8 [38.6] 105.1 [30.8] 10.4	126.5 [37.1] 94.9 [27.8] 10.1	122.3 [35.8] 86.9 [25.5] 10.0	124.1 [36.4] 124.1 [36.4] 10.2	119.1 [34.9] 114.2 [33.5] 10.0	115.1 [33.7] 104.5 [30.6] 9.8
	95°F [35°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	137.4 [40.3] 83.6 [24.5] 10.8	131.8 [38.6] 75.5 [22.1] 10.6	127.5 [37.4] 69.1 [20.3] 10.4	128.1 [37.5] 103.4 [30.3] 10.7	122.9 [36] 93.3 [27.3] 10.5	118.8 [34.8] 85.4 [25] 10.3	120.3 [35.3] 120.3 [35.3] 10.6	115.5 [33.9] 112.6 [33] 10.4	111.7 [32.7] 103.1 [30.2] 10.2
	100°F [37.8°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	133.4 [39.1] 81.7 [23.9] 11.2	128.1 [37.5] 73.8 [21.6] 11.0	123.8 [36.3] 67.5 [19.8] 10.8	124.1 [36.4] 101.5 [29.7] 11.1	119.1 [34.9] 91.6 [26.8] 10.9	115.2 [33.8] 83.9 [24.6] 10.7	116.4 [34.1] 116.4 [34.1] 11.0	111.7 [32.7] 110.9 [32.5] 10.8	108 [31.7] 101.5 [29.7] 10.6
	105°F [40.6°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	129.3 [37.9] 79.7 [23.4] 11.6	124.1 [36.4] 72 [21.1] 11.3	120 [35.2] 65.9 [19.3] 11.2	120 [35.2] 99.5 [29.2] 11.5	115.1 [33.7] 89.8 [26.3] 11.3	111.3 [32.6] 82.2 [24.1] 11.1	112.3 [32.9] 112.3 [32.9] 11.3	107.7 [31.6] 107.7 [31.6] 11.1	104.2 [30.5] 99.8 [29.2] 10.9
	110°F [43.3°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	124.9 [36.6] 77.6 [22.7] 12.0	119.9 [35.1] 70 [20.5] 11.7	115.9 [34] 64.1 [18.8] 11.5	115.6 [33.9] 97.3 [28.5] 11.9	111 [32.5] 87.9 [25.8] 11.6	107.3 [31.4] 80.4 [23.6] 11.4	107.9 [31.6] 107.9 [31.6] 11.7	103.5 [30.3] 103.5 [30.3] 11.5	100.1 [29.3] 98.1 [28.8] 11.3
	115°F [46.1°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	120.4 [35.3] 75.2 [22] 12.3	115.5 [33.9] 67.9 [19.9] 12.1	111.7 [32.7] 62.2 [18.2] 11.9	111.1 [32.6] 95 [27.8] 12.2	106.6 [31.2] 85.8 [25.1] 12.0	103.1 [30.2] 78.5 [23] 11.8	103.3 [30.3] 103.3 [30.3] 12.1	99.2 [29.1] 99.2 [29.1] 11.9	95.9 [28.1] 95.9 [28.1] 11.7
	120°F [48.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	115.6 [33.9] 72.8 [21.3] 12.7	110.9 [32.5] 65.7 [19.3] 12.5	107.3 [31.4] 60.1 [17.6] 12.3	106.3 [31.2] 92.6 [27.1] 12.6	102 [29.9] 83.5 [24.5] 12.4	98.6 [28.9] 76.5 [22.4] 12.2	98.5 [28.9] 98.5 [28.9] 12.5	94.6 [27.7] 94.6 [27.7] 12.2	91.5 [26.8] 91.5 [26.8] 12.0
	125°F [51.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	110.6 [32.4] 70.2 [20.6] 13.1	106.1 [31.1] 63.3 [18.6] 12.8	102.6 [30.1] 58 [17] 12.6	101.3 [29.7] 90 [26.4] 13.0	97.2 [28.5] 81.2 [23.8] 12.7	94 [27.5] 74.3 [21.8] 12.5	93.5 [27.4] 93.5 [27.4] 12.9	89.8 [26.3] 89.8 [26.3] 12.6	86.8 [25.4] 86.8 [25.4] 12.4

DR —Depression ratio Total —Total capacity x 1000 BTUH NOTES:

dbE —Entering air dry bulb Sens —Sensible capacity x 1000 BTUH. When the entering air dry bulb is other than 80°F [27°C], adjust the sensible

wbE—Entering air wet bulb Power—KW input capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

Appendix D – Cooling Data for (-)GEDYB 12.5 Ton

COOLING PERFORMANCE DATA - (-)GEDYB150										
Entering Indoor Air @ 80°F [26.7°C] dbE 1										
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]		6000 [2832]	4025 [1900]	4000 [1888]	6000 [2832]	4025 [1900]	4000 [1888]	6000 [2832]	4025 [1900]	4000 [1888]
DR		.05	.09	.12	.05	.09	.12	.05	.09	.12
Outdoor Dry Bulb Temperature	75°F [23.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	193.6 [56.7] 116.5 [34.1] 7.5	177.8 [52.1] 94.8 [27.8] 7.2	177.6 [52.1] 94.5 [27.7] 7.2	181.3 [53.1] 136.8 [40.1] 7.8	166.5 [48.8] 111.3 [32.6] 7.5	166.3 [48.7] 111 [32.5] 7.5	170.3 [49.9] 155.5 [45.6] 7.3	156.1 [45.8] 126.6 [37.1] 7.0
	80°F [26.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	189.3 [55.5] 114.1 [33.4] 7.9	173.8 [50.9] 92.9 [27.2] 7.6	173.6 [50.9] 92.6 [27.1] 7.6	177 [51.9] 134.4 [39.4] 8.3	162.5 [47.6] 109.4 [32.1] 7.9	162.3 [47.6] 109 [31.9] 7.9	165.9 [48.6] 153.2 [44.9] 7.7	152.3 [44.6] 124.6 [36.5] 7.4
	85°F [29.4°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	184.9 [54.2] 111.6 [32.7] 8.4	169.8 [49.8] 90.8 [26.6] 8.0	169.6 [49.7] 90.6 [26.6] 8.0	172.6 [50.6] 131.9 [38.7] 8.7	158.5 [46.5] 107.3 [31.4] 8.3	158.3 [46.4] 107 [31.4] 8.3	161.5 [47.3] 150.7 [44.2] 8.2	148.3 [43.5] 122.6 [35.9] 7.8
	90°F [32.2°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	180.5 [52.9] 109.1 [32] 8.8	165.7 [48.6] 88.7 [26] 8.4	165.5 [48.5] 88.5 [25.9] 8.4	168.1 [49.3] 129.3 [37.9] 9.1	154.4 [45.3] 105.2 [30.8] 8.8	154.2 [45.2] 104.9 [30.7] 8.8	157.1 [46] 148.1 [43.4] 8.6	144.2 [42.3] 120.5 [35.3] 8.2
	95°F [35°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	175.9 [51.6] 106.4 [31.2] 9.2	161.5 [47.3] 86.6 [25.4] 8.8	161.4 [47.3] 86.3 [25.3] 8.8	163.6 [47.9] 126.6 [37.1] 9.6	150.2 [44] 103 [30.2] 9.2	150 [44] 102.8 [30.1] 9.2	152.6 [44.7] 145.4 [42.6] 9.0	140.1 [41.1] 118.3 [34.7] 8.7
	100°F [37.8°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	171.3 [50.2] 103.6 [30.4] 9.7	157.3 [46.1] 84.3 [24.7] 9.3	157.1 [46] 84 [24.6] 9.3	159 [46.6] 123.8 [36.3] 10.0	146 [42.8] 100.8 [29.5] 9.6	145.8 [42.7] 100.5 [29.5] 9.6	148 [43.4] 142.6 [41.8] 9.5	135.8 [39.8] 116 [34] 9.1
	105°F [40.6°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	166.7 [48.9] 100.7 [29.5] 10.1	153 [44.8] 81.9 [24] 9.7	152.9 [44.8] 81.7 [23.9] 9.7	154.4 [45.3] 120.9 [35.4] 10.4	141.7 [41.5] 98.4 [28.8] 10.0	141.6 [41.5] 98.1 [28.8] 10.0	143.3 [42] 139.7 [40.9] 9.9	131.6 [38.6] 113.7 [33.3] 9.5
	110°F [43.3°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	161.9 [47.5] 97.6 [28.6] 10.5	148.7 [43.6] 79.4 [23.3] 10.1	148.5 [43.5] 79.2 [23.2] 10.1	149.6 [43.8] 117.9 [34.6] 10.9	137.4 [40.3] 95.9 [28.1] 10.4	137.2 [40.2] 95.7 [28] 10.4	138.6 [40.6] 136.7 [40.1] 10.3	127.2 [37.3] 111.2 [32.6] 9.9
	115°F [46.1°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	157.1 [46] 94.5 [27.7] 11.0	144.3 [42.3] 76.9 [22.5] 10.5	144.1 [42.2] 76.7 [22.5] 10.5	144.8 [42.4] 114.8 [33.6] 11.3	132.9 [39] 93.4 [27.4] 10.8	132.8 [38.9] 93.1 [27.3] 10.8	133.8 [39.2] 133.5 [39.1] 10.8	122.8 [36] 108.7 [31.9] 10.3
	120°F [48.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	152.3 [44.6] 91.2 [26.7] 11.4	139.8 [41] 74.2 [21.7] 10.9	139.6 [40.9] 74 [21.7] 10.9	139.9 [41] 111.5 [32.7] 11.7	128.5 [37.7] 90.7 [26.6] 11.3	128.3 [37.6] 90.5 [26.5] 11.2	128.9 [37.8] 128.9 [37.8] 11.2	118.3 [34.7] 106 [31.1] 10.7
	125°F [51.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	147.3 [43.2] 87.9 [25.8] 11.8	135.2 [39.6] 71.5 [21] 11.3	135.1 [39.6] 71.3 [20.9] 11.3	135 [39.6] 108.2 [31.7] 12.2	123.9 [36.3] 88 [25.8] 11.7	123.8 [36.3] 87.7 [25.7] 11.7	123.9 [36.3] 123.9 [36.3] 11.6	113.8 [33.4] 103.3 [30.3] 11.2

DR —Depression ratio Total —Total capacity x 1000 BTUH NOTES:

dbE —Entering air dry bulb Sens —Sensible capacity x 1000 BTUH. When the entering air dry bulb is other than 80°F [27°C], adjust the sensible

wbE—Entering air wet bulb Power—KW input capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

P. APPENDICES

Appendix D – Reheat Data for (-)GEDYB 7.5 Ton

GROSS SYSTEMS PERFORMANCE DATA (LOW REHEAT MODE) - (-)GEDYB090											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		2190 [1034]	1825 [861]	1460 [689]	2190 [1034]	1825 [861]	1460 [689]	2190 [1034]	1825 [861]	1460 [689]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	28.8 [8.4] 3.2 [0.9] 4.5	27.8 [8.1] 2.9 [0.8] 4.4	26.8 [7.8] 2.6 [0.8] 4.4	25.4 [7.4] 3.8 [1.1] 4.5	24.5 [7.2] 3.5 [1] 4.4	23.6 [6.9] 3.1 [0.9] 4.4	24.6 [7.2] 7.3 [2.1] 4.5	23.8 [7] 6.7 [2] 4.4	22.9 [6.7] 6.1 [1.8] 4.4
	65°F [18.3°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	28.6 [8.4] 3.1 [0.9] 4.5	27.6 [8.1] 2.9 [0.8] 4.4	26.6 [7.8] 2.6 [0.8] 4.4	25.2 [7.4] 3.8 [1.1] 4.5	24.3 [7.1] 3.4 [1] 4.5	23.4 [6.9] 3.1 [0.9] 4.4	24.4 [7.2] 7.3 [2.1] 4.5	23.6 [6.9] 6.7 [2] 4.4	22.7 [6.7] 6.1 [1.8] 4.4
	70°F [21.1°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	28.3 [8.3] 3 [0.9] 4.5	27.3 [8] 2.7 [0.8] 4.5	26.3 [7.7] 2.5 [0.7] 4.4	24.8 [7.3] 3.6 [1.1] 4.6	24 [7] 3.3 [1] 4.5	23.1 [6.8] 3 [0.9] 4.4	24.1 [7.1] 7.1 [2.1] 4.5	23.3 [6.8] 6.5 [1.9] 4.5	22.4 [6.6] 5.9 [1.7] 4.4
	75°F [23.9°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	27.8 [8.2] 2.7 [0.8] 4.6	26.8 [7.9] 2.4 [0.7] 4.5	25.9 [7.6] 2.2 [0.6] 4.4	24.4 [7.1] 3.3 [1] 4.6	23.5 [6.9] 3 [0.9] 4.5	22.7 [6.6] 2.7 [0.8] 4.4	23.6 [6.9] 6.9 [2] 4.6	22.8 [6.7] 6.3 [1.8] 4.5	22 [6.4] 5.7 [1.7] 4.4
	80°F [26.7°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	27.2 [8] 2.3 [0.7] 4.6	26.3 [7.7] 2.1 [0.6] 4.5	25.3 [7.4] 1.9 [0.5] 4.4	23.8 [7] 2.9 [0.8] 4.6	23 [6.7] 2.6 [0.8] 4.5	22.1 [6.5] 2.4 [0.7] 4.5	23.1 [6.8] 6.4 [1.9] 4.6	22.3 [6.5] 5.9 [1.7] 4.5	21.4 [6.3] 5.3 [1.6] 4.4
	85°F [29.4°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	26.5 [7.8] 1.7 [0.5] 4.6	25.6 [7.5] 1.6 [0.5] 4.6	24.6 [7.2] 1.4 [0.4] 4.5	23.1 [6.8] 2.3 [0.7] 4.7	22.3 [6.5] 2.1 [0.6] 4.6	21.5 [6.3] 1.9 [0.6] 4.5	22.3 [6.5] 5.9 [1.7] 4.6	21.6 [6.3] 5.4 [1.6] 4.6	20.8 [6.1] 4.9 [1.4] 4.5
	90°F [32.2°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	25.7 [7.5] 1 [0.3] 4.7	24.8 [7.3] 0.9 [0.3] 4.6	23.9 [7] 0.8 [0.2] 4.5	22.2 [6.5] 1.6 [0.5] 4.7	21.5 [6.3] 1.5 [0.4] 4.6	20.7 [6.1] 1.4 [0.4] 4.5	21.5 [6.3] 5.2 [1.5] 4.7	20.7 [6.1] 4.8 [1.4] 4.6	20 [5.9] 4.3 [1.3] 4.5

GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) - RGECZT090											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		3600 [1699]	3150 [1487]	2400 [1133]	3600 [1699]	3150 [1487]	2400 [1133]	3600 [1699]	3150 [1487]	2400 [1133]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	48.5 [14.2] 4.1 [1.2] 7	47.3 [13.9] 3.8 [1.1] 6.9	45.3 [13.3] 3.4 [1] 6.7	32 [9.4] 1.9 [0.5] 6.9	31.2 [9.1] 1.8 [0.5] 6.8	29.9 [8.8] 1.6 [0.5] 6.7	31.1 [9.1] 7.6 [2.2] 7	30.3 [8.9] 7.2 [2.1] 6.9	29 [8.5] 6.4 [1.9] 6.7
	70°F [21.1°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	50.8 [14.9] 6.9 [2] 6.9	49.6 [14.5] 6.5 [1.9] 6.8	47.4 [13.9] 5.7 [1.7] 6.6	34.3 [10.1] 4.6 [1.4] 6.8	33.5 [9.8] 4.4 [1.3] 6.7	32 [9.4] 3.9 [1.1] 6.6	33.4 [9.8] 10.4 [3.1] 6.9	32.5 [9.5] 9.8 [2.9] 6.8	31.1 [9.1] 8.7 [2.5] 6.6
	80°F [26.7°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	51.6 [15.1] 8 [2.4] 6.9	50.3 [14.7] 7.5 [2.2] 6.8	48.1 [14.1] 6.7 [2] 6.7	35.1 [10.3] 5.8 [1.7] 6.8	34.2 [10] 5.4 [1.6] 6.8	32.7 [9.6] 4.8 [1.4] 6.6	34.1 [10] 11.6 [3.4] 6.9	33.3 [9.8] 10.9 [3.2] 6.8	31.8 [9.3] 9.7 [2.8] 6.7
	90°F [32.2°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	50.8 [14.9] 7.6 [2.2] 7	49.6 [14.5] 7.1 [2.1] 6.9	47.4 [13.9] 6.3 [1.8] 6.8	34.3 [10.1] 5.3 [1.6] 7	33.5 [9.8] 5 [1.5] 6.9	32 [9.4] 4.4 [1.3] 6.7	33.4 [9.8] 11.1 [3.3] 7	32.5 [9.5] 10.4 [3.1] 6.9	31.1 [9.1] 9.3 [2.7] 6.8
	100°F [37.8°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	48.5 [14.2] 5.5 [1.6] 7.2	47.3 [13.9] 5.1 [1.5] 7.1	45.3 [13.3] 4.6 [1.3] 7	32 [9.4] 3.2 [0.9] 7.2	31.2 [9.1] 3 [0.9] 7.1	29.9 [8.7] 2.7 [0.8] 6.9	31.1 [9.1] 9 [2.6] 7.2	30.3 [8.9] 8.5 [2.5] 7.1	29 [8.5] 7.5 [2.2] 7
	110°F [43.3°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	44.7 [13.1] 1.8 [0.5] 7.5	43.6 [12.8] 1.6 [0.5] 7.4	41.7 [12.2] 1.5 [0.4] 7.3	28.2 [8.3] -0.5 [-0.1] 7.5	27.5 [8] -0.5 [-0.1] 7.4	26.3 [7.7] -0.4 [-0.1] 7.2	27.2 [8] 5.3 [1.6] 7.5	26.5 [7.8] 5 [1.5] 7.4	25.4 [7.4] 4.4 [1.3] 7.3
	120°F [48.9°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	39.3 [11.5] -3.6 [-1.1] 7.9	38.3 [11.2] -3.4 [-1] 7.8	36.6 [10.7] -3 [-0.9] 7.7	22.8 [6.7] -5.8 [-1.7] 7.9	22.2 [6.5] -5.5 [-1.6] 7.8	21.2 [6.2] -4.9 [-1.4] 7.6	21.8 [6.4] 0 [0] 7.9	21.3 [6.2] 0 [0] 7.8	20.3 [6] 0 [0] 7.7

Appendix D – Reheat Data for (-)GEDYB 8.5 Ton

GROSS SYSTEMS PERFORMANCE DATA (LOW REHEAT MODE) - (-)GEDYB102										
Entering Indoor Air @ 75°F [23.9°C] dbE 1										
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]		
CFM [L/s]		2420 [1142]	2015 [951]	1610 [760]	2420 [1142]	2015 [951]	1610 [760]	2420 [1142]	2015 [951]	1610 [760]
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	38.5 [11.3] 5.2 [1.5] 5.3	37.1 [10.9] 4.7 [1.4] 5.2	35.8 [10.5] 4.3 [1.3] 5.1	32.6 [9.5] 5.1 [1.5] 5.1	31.4 [9.2] 4.6 [1.4] 5.1	30.3 [8.9] 4.2 [1.2] 5	28.3 [8.3] 6.9 [2] 5	27.3 [8] 6.3 [1.8] 4.9
	65°F [18.3°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	37.9 [11.1] 4.2 [1.2] 5.4	36.5 [10.7] 3.8 [1.1] 5.3	35.2 [10.3] 3.5 [1] 5.2	31.9 [9.3] 4.1 [1.2] 5.2	30.8 [9] 3.7 [1.1] 5.1	29.7 [8.7] 3.4 [1] 5	27.6 [8.1] 5.9 [1.7] 5	26.7 [7.8] 5.4 [1.6] 5
	70°F [21.1°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	37.2 [10.9] 3.4 [1] 5.5	35.8 [10.5] 3.1 [0.9] 5.4	34.5 [10.1] 2.8 [0.8] 5.3	31.2 [9.1] 3.3 [1] 5.3	30.1 [8.8] 3 [0.9] 5.2	29 [8.5] 2.7 [0.8] 5.1	26.9 [7.9] 5.1 [1.5] 5.1	26 [7.6] 4.7 [1.4] 5
	75°F [23.9°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	36.4 [10.7] 2.9 [0.8] 5.5	35.1 [10.3] 2.6 [0.8] 5.4	33.8 [9.9] 2.4 [0.7] 5.3	30.5 [8.9] 2.7 [0.8] 5.3	29.4 [8.6] 2.5 [0.7] 5.3	28.3 [8.3] 2.3 [0.7] 5.2	26.2 [7.7] 4.5 [1.3] 5.2	25.3 [7.4] 4.2 [1.2] 5.1
	80°F [26.7°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	35.6 [10.4] 2.5 [0.7] 5.5	34.4 [10.1] 2.3 [0.7] 5.4	33.1 [9.7] 2.1 [0.6] 5.4	29.7 [8.7] 2.4 [0.7] 5.4	28.6 [8.4] 2.2 [0.6] 5.3	27.6 [8.1] 2 [0.6] 5.2	25.4 [7.4] 4.2 [1.2] 5.2	24.5 [7.2] 3.8 [1.1] 5.1
	85°F [29.4°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	34.8 [10.2] 2.3 [0.7] 5.6	33.5 [9.8] 2.1 [0.6] 5.5	32.3 [9.5] 1.9 [0.6] 5.4	28.8 [8.4] 2.2 [0.6] 5.4	27.8 [8.1] 2 [0.6] 5.3	26.8 [7.9] 1.8 [0.5] 5.2	24.6 [7.2] 4 [1.2] 5.2	23.7 [6.9] 3.7 [1.1] 5.1
	90°F [32.2°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	33.9 [9.9] 2.3 [0.7] 5.6	32.7 [9.6] 2.1 [0.6] 5.5	31.5 [9.2] 1.9 [0.6] 5.4	27.9 [8.2] 2.2 [0.6] 5.4	27 [7.9] 2 [0.6] 5.3	26 [7.6] 1.8 [0.5] 5.2	23.7 [6.9] 4 [1.2] 5.2	22.8 [6.7] 3.7 [1.1] 5.1

GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) - (-)GEDYB102										
Entering Indoor Air @ 75°F [23.9°C] dbE 1										
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]		
CFM [L/s]		4080 [1926]	3375 [1593]	2720 [1284]	4080 [1926]	3375 [1593]	2720 [1284]	4080 [1926]	3375 [1593]	2720 [1284]
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	69.8 [20.5] 17.7 [5.2] 7.1	67.3 [19.7] 16.1 [4.7] 6.9	64.9 [19] 14.7 [4.3] 6.8	50.2 [14.7] 14.6 [4.3] 7	48.3 [14.2] 13.3 [3.9] 6.9	46.6 [13.7] 12.1 [3.5] 6.8	50.1 [14.7] 22.7 [6.6] 7.1	48.2 [14.1] 20.6 [6] 6.9
	70°F [21.1°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	64.5 [18.9] 12.5 [3.7] 7.1	62.1 [18.2] 11.4 [3.3] 7	60 [17.6] 10.3 [3] 6.9	44.9 [13.1] 9.4 [2.8] 7.1	43.2 [12.7] 8.6 [2.5] 6.9	41.7 [12.2] 7.8 [2.3] 6.8	44.8 [13.1] 17.4 [5.1] 7.1	43.1 [12.6] 15.9 [4.7] 7
	80°F [26.7°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	60.8 [17.8] 9 [2.6] 7.3	58.5 [17.2] 8.2 [2.4] 7.1	56.5 [16.5] 7.4 [2.2] 7	41.1 [12.1] 5.9 [1.7] 7.2	39.6 [11.6] 5.3 [1.6] 7.1	38.2 [11.2] 4.9 [1.4] 7	41 [12] 13.9 [4.1] 7.3	39.5 [11.6] 12.7 [3.7] 7.2
	90°F [32.2°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	58.6 [17.2] 7.1 [2.1] 7.5	56.4 [16.5] 6.5 [1.9] 7.4	54.5 [16] 5.9 [1.7] 7.3	39 [11.4] 4 [1.2] 7.5	37.5 [11] 3.7 [1.1] 7.4	36.2 [10.6] 3.3 [1] 7.2	38.9 [11.4] 12.1 [3.5] 7.6	37.4 [11] 11 [3.2] 7.4
	100°F [37.8°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	58 [17] 7 [2.1] 7.9	55.9 [16.4] 6.4 [1.9] 7.8	53.9 [15.8] 5.8 [1.7] 7.6	38.4 [11.2] 3.9 [1.1] 7.9	37 [10.8] 3.6 [1] 7.7	35.7 [10.4] 3.2 [0.9] 7.6	38.3 [11.2] 12 [3.5] 7.9	36.9 [10.8] 10.9 [3.2] 7.8
	110°F [43.3°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	59 [17.3] 8.6 [2.5] 8.4	56.8 [16.6] 7.8 [2.3] 8.2	54.8 [16.1] 7.1 [2.1] 8.1	39.3 [11.5] 5.5 [1.6] 8.3	37.9 [11.1] 5 [1.5] 8.2	36.6 [10.7] 4.5 [1.3] 8	39.2 [11.5] 13.5 [4] 8.4	37.8 [11.1] 12.3 [3.6] 8.2
	120°F [48.9°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	61.5 [18] 11.8 [3.5] 8.9	59.2 [17.4] 10.8 [3.2] 8.8	57.2 [16.7] 9.8 [2.9] 8.6	41.9 [12.3] 8.7 [2.6] 8.9	40.3 [11.8] 7.9 [2.3] 8.7	38.9 [11.4] 7.2 [2.1] 8.6	41.8 [12.2] 16.8 [4.9] 8.9	40.2 [11.8] 15.3 [4.5] 8.8

P. APPENDICES

Appendix D – Reheat Data for (-)GEDYB 10 Ton

GROSS SYSTEMS PERFORMANCE DATA (LOW REHEAT MODE) - (-)GEDYB120											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]		
CFM [L/s]			2880 [1359]	2400 [1133]	1920 [906]	2880 [1359]	2400 [1133]	1920 [906]	2880 [1359]	2400 [1133]	1920 [906]
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	39.3 [11.5] 3.9 [1.1] 4.8	37.9 [11.1] 3.6 [1] 4.7	36.6 [10.7] 3.2 [0.9] 4.7	34 [10] 3.7 [1.1] 4.8	32.8 [9.6] 3.4 [1] 4.8	31.6 [9.3] 3 [0.9] 4.7	29.6 [8.7] 4.9 [1.4] 4.9	28.5 [8.4] 4.5 [1.3] 4.8	27.5 [8.1] 4.1 [1.2] 4.8
	65°F [18.3°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	38.2 [11.2] 2.5 [0.7] 4.9	36.9 [10.8] 2.3 [0.7] 4.8	35.5 [10.4] 2.1 [0.6] 4.7	32.9 [9.6] 2.3 [0.7] 4.9	31.8 [9.3] 2.1 [0.6] 4.8	30.6 [9] 1.9 [0.6] 4.7	28.4 [8.3] 3.5 [1] 5	27.4 [8] 3.2 [0.9] 4.9	26.4 [7.7] 2.9 [0.8] 4.8
	70°F [21.1°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	37.5 [11] 1.7 [0.5] 4.9	36.2 [10.6] 1.6 [0.5] 4.8	34.8 [10.2] 1.4 [0.4] 4.8	32.2 [9.4] 1.5 [0.4] 4.9	31.1 [9.1] 1.3 [0.4] 4.9	29.9 [8.8] 1.2 [0.4] 4.8	27.7 [8.1] 2.7 [0.8] 5	26.7 [7.8] 2.5 [0.7] 4.9	25.8 [7.6] 2.2 [0.7] 4.9
	75°F [23.9°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	37.2 [10.9] 1.5 [0.4] 5	35.8 [10.5] 1.4 [0.4] 4.9	34.5 [10.1] 1.3 [0.4] 4.8	31.9 [9.3] 1.3 [0.4] 5	30.8 [9] 1.2 [0.3] 4.9	29.6 [8.7] 1.1 [0.3] 4.9	27.4 [8] 2.5 [0.7] 5.1	26.4 [7.7] 2.3 [0.7] 5	25.5 [7.5] 2.1 [0.6] 4.9
	80°F [26.7°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	37.2 [10.9] 2 [0.6] 5.1	35.9 [10.5] 1.8 [0.5] 5	34.6 [10.1] 1.6 [0.5] 4.9	31.9 [9.4] 1.8 [0.5] 5.1	30.8 [9] 1.6 [0.5] 5	29.7 [8.7] 1.5 [0.4] 4.9	27.5 [8] 3 [0.9] 5.2	26.5 [7.8] 2.7 [0.8] 5.1	25.5 [7.5] 2.5 [0.7] 5
	85°F [29.4°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	37.7 [11] 3 [0.9] 5.2	36.4 [10.7] 2.8 [0.8] 5.1	35 [10.3] 2.5 [0.7] 5	32.4 [9.5] 2.8 [0.8] 5.2	31.3 [9.2] 2.6 [0.8] 5.2	30.1 [8.8] 2.3 [0.7] 5.1	27.9 [8.2] 4 [1.2] 5.3	26.9 [7.9] 3.7 [1.1] 5.2	26 [7.6] 3.4 [1] 5.1
	90°F [32.2°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	38.6 [11.3] 4.7 [1.4] 5.4	37.2 [10.9] 4.3 [1.3] 5.3	35.8 [10.5] 3.9 [1.2] 5.2	33.3 [9.7] 4.5 [1.3] 5.4	32.1 [9.4] 4.1 [1.2] 5.3	30.9 [9.1] 3.7 [1.1] 5.2	28.8 [8.4] 5.7 [1.7] 5.5	27.8 [8.1] 5.2 [1.5] 5.4	26.8 [7.8] 4.8 [1.4] 5.3

GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) - (-)GEDYB120											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]		
CFM [L/s]			4800 [2265]	3940 [1859]	3200 [1510]	4800 [2265]	3940 [1859]	3200 [1510]	4800 [2265]	3940 [1859]	3200 [1510]
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	91.7 [26.9] 21.7 [6.4] 7.7	88.2 [25.8] 19.7 [5.8] 7.6	85.2 [25] 18 [5.3] 7.5	63.4 [18.6] 15.5 [4.5] 7.6	61 [17.9] 14 [4.1] 7.5	58.9 [17.3] 12.8 [3.8] 7.3	72.9 [21.4] 26.5 [7.8] 7.7	70.1 [20.5] 24 [7] 7.6	67.7 [19.8] 21.9 [6.4] 7.4
	70°F [21.1°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	77.4 [22.7] 15.2 [4.5] 7.7	74.4 [21.8] 13.8 [4] 7.6	71.9 [21.1] 12.6 [3.7] 7.5	49.1 [14.4] 8.9 [2.6] 7.6	47.2 [13.8] 8.1 [2.4] 7.4	45.6 [13.4] 7.4 [2.2] 7.3	58.6 [17.2] 19.9 [5.8] 7.7	56.3 [16.5] 18.1 [5.3] 7.5	54.4 [15.9] 16.5 [4.8] 7.4
	80°F [26.7°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	68 [19.9] 11.2 [3.3] 7.9	65.4 [19.2] 10.2 [3] 7.8	63.1 [18.5] 9.3 [2.7] 7.6	39.6 [11.6] 5 [1.5] 7.8	38.1 [11.2] 4.5 [1.3] 7.6	36.8 [10.8] 4.1 [1.2] 7.5	49.1 [14.4] 16 [4.7] 7.9	47.3 [13.9] 14.5 [4.2] 7.7	45.7 [13.4] 13.2 [3.9] 7.6
	90°F [32.2°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	63.4 [18.6] 9.8 [2.9] 8.3	61 [17.9] 8.9 [2.6] 8.1	58.9 [17.3] 8.1 [2.4] 8	35.1 [10.3] 3.6 [1] 8.1	33.7 [9.9] 3.2 [0.9] 8	32.6 [9.5] 2.9 [0.9] 7.9	44.6 [13.1] 14.5 [4.3] 8.2	42.9 [12.6] 13.2 [3.9] 8.1	41.4 [12.1] 12 [3.5] 8
	100°F [43.3°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	63.7 [18.7] 11 [3.2] 8.9	61.3 [17.9] 9.9 [2.9] 8.7	59.2 [17.3] 9.1 [2.7] 8.6	35.4 [10.4] 4.7 [1.4] 8.7	34 [10] 4.3 [1.2] 8.6	32.8 [9.6] 3.9 [1.1] 8.4	44.9 [13.1] 15.7 [4.6] 8.8	43.1 [12.6] 14.2 [4.2] 8.7	41.7 [12.2] 13 [3.8] 8.5
	110°F [43.3°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	68.8 [20.2] 14.7 [4.3] 9.6	66.2 [19.4] 13.3 [3.9] 9.5	63.9 [18.7] 12.1 [3.6] 9.3	40.5 [11.9] 8.4 [2.5] 9.5	39 [11.4] 7.6 [2.2] 9.3	37.6 [11] 7 [2] 9.2	50 [14.7] 19.4 [5.7] 9.6	48.1 [14.1] 17.6 [5.2] 9.4	46.4 [13.6] 16.1 [4.7] 9.3
	120°F [48.9°C]	Total kBtu/h [kW] Sens kBtu/h [kW] Power	78.8 [23.1] 20.9 [6.1] 10.6	75.8 [22.2] 19 [5.6] 10.4	73.2 [21.5] 17.3 [5.1] 10.2	50.5 [14.8] 14.7 [4.3] 10.5	48.6 [14.2] 13.3 [3.9] 10.3	46.9 [13.7] 12.1 [3.6] 10.1	60 [17.6] 25.6 [7.5] 10.6	57.7 [16.9] 23.3 [6.8] 10.4	55.7 [16.3] 21.2 [6.2] 10.2

Appendix D – Reheat Data for (-)GEDYB 12.5 Ton

GROSS SYSTEMS PERFORMANCE DATA (LOW REHEAT MODE) - (-)GEDYB150											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		3020 [1425]	2515 [1187]	2010 [949]	3020 [1425]	2515 [1187]	2010 [949]	3020 [1425]	2515 [1187]	2010 [949]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	43.9 [12.9] 16 [4.7] 4.6	42.4 [12.4] 14.7 [4.3] 4.5	40.8 [12] 13.3 [3.9] 4.4	42.2 [12.4] 20.3 [5.9] 4.5	40.8 [11.9] 18.5 [5.4] 4.4	39.3 [11.5] 16.8 [4.9] 4.4	33.9 [9.9] 13.2 [3.9] 4.5	32.7 [9.6] 12 [3.5] 4.4	31.5 [9.2] 10.9 [3.2] 4.4
	65°F [18.3°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	38.7 [11.3] 6 [1.8] 4.4	37.3 [10.9] 5.5 [1.6] 4.3	35.9 [10.5] 5 [1.5] 4.3	37 [10.8] 10.3 [3] 4.4	35.7 [10.5] 9.4 [2.8] 4.3	34.4 [10.1] 8.5 [2.5] 4.2	28.7 [8.4] 3.2 [0.9] 4.4	27.7 [8.1] 2.9 [0.8] 4.3	26.6 [7.8] 2.6 [0.8] 4.2
	70°F [21.1°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	34.8 [10.2] -1.1 [-0.3] 4.4	33.6 [9.8] -1 [-0.3] 4.3	32.4 [9.5] -0.9 [-0.3] 4.2	33.1 [9.7] 3.2 [0.9] 4.3	32 [9.4] 2.9 [0.8] 4.2	30.8 [9] 2.6 [0.8] 4.1	24.8 [7.3] -3.9 [-1.2] 4.3	24 [7] -3.6 [-1.1] 4.2	23.1 [6.8] -3.3 [-1] 4.2
	75°F [23.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	32.4 [9.5] -5.3 [-1.5] 4.4	31.3 [9.2] -4.8 [-1.4] 4.3	30.2 [8.8] -4.4 [-1.3] 4.2	30.8 [9] -1 [-0.3] 4.3	29.7 [8.7] -1 [-0.3] 4.2	28.6 [8.4] -0.9 [-0.3] 4.2	22.4 [6.6] -8.2 [-2.4] 4.3	21.6 [6.3] -7.5 [-2.2] 4.3	20.9 [6.1] -6.8 [-2] 4.2
	80°F [26.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	31.5 [9.2] -6.6 [-1.9] 4.5	30.4 [8.9] -6 [-1.8] 4.4	29.3 [8.6] -5.5 [-1.6] 4.3	29.8 [8.7] -2.4 [-0.7] 4.4	28.8 [8.4] -2.2 [-0.6] 4.3	27.7 [8.1] -2 [-0.6] 4.3	21.5 [6.3] -9.5 [-2.8] 4.4	20.7 [6.1] -8.7 [-2.5] 4.3	20 [5.9] -7.9 [-2.3] 4.3
	85°F [29.4°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	32 [9.4] -5 [-1.5] 4.7	30.9 [9] -4.6 [-1.3] 4.6	29.7 [8.7] -4.2 [-1.2] 4.5	30.3 [8.9] -0.8 [-0.2] 4.6	29.2 [8.6] -0.7 [-0.2] 4.5	28.2 [8.3] -0.7 [-0.2] 4.4	22 [6.4] -7.9 [-2.3] 4.6	21.2 [6.2] -7.2 [-2.1] 4.5	20.4 [6] -6.5 [-1.9] 4.4
	90°F [32.2°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	33.9 [9.9] -0.6 [-0.2] 4.9	32.7 [9.6] -0.5 [-0.2] 4.8	31.5 [9.2] -0.5 [-0.1] 4.7	32.2 [9.4] 3.7 [1.1] 4.9	31.1 [9.1] 3.4 [1] 4.8	29.9 [8.8] 3 [0.9] 4.7	23.9 [7] -3.4 [-1] 4.9	23.1 [6.8] -3.1 [-0.9] 4.8	22.2 [6.5] -2.9 [-0.8] 4.7

GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) - (-)GEDYB150											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		6000 [2832]	4300 [2029]	4000 [1888]	6000 [2832]	4300 [2029]	4000 [1888]	6000 [2832]	4300 [2029]	4000 [1888]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	86.7 [25.4] 22.2 [6.5] 9.4	80.9 [23.7] 18.8 [5.5] 9.1	79.9 [23.4] 18.2 [5.3] 9.1	85 [24.9] 30.1 [8.8] 9.2	79.3 [23.2] 25.4 [7.4] 8.9	78.3 [22.9] 24.6 [7.2] 8.8	76.8 [22.5] 39.8 [11.7] 9.3	71.7 [21] 33.6 [9.9] 9	70.8 [20.7] 32.5 [9.5] 9
	70°F [21.1°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	82 [24] 11.2 [3.3] 9.7	76.5 [22.4] 9.4 [2.8] 9.4	75.6 [22.1] 9.1 [2.7] 9.4	80.3 [23.5] 19 [5.6] 9.5	75 [22] 16.1 [4.7] 9.2	74 [21.7] 15.6 [4.6] 9.1	72.2 [21.1] 28.8 [8.4] 9.7	67.3 [19.7] 24.3 [7.1] 9.3	66.5 [19.5] 23.5 [6.9] 9.3
	80°F [26.7°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	77.2 [22.6] 2.1 [0.6] 10.3	72.1 [21.1] 1.7 [0.5] 9.9	71.1 [20.8] 1.7 [0.5] 9.8	75.5 [22.1] 9.9 [2.9] 10	70.5 [20.7] 8.4 [2.5] 9.7	69.6 [20.4] 8.1 [2.4] 9.6	67.4 [19.7] 19.7 [5.8] 10.2	62.8 [18.4] 16.6 [4.9] 9.8	62.1 [18.2] 16.1 [4.7] 9.8
	90°F [32.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	72.3 [21.2] -5.1 [-1.5] 11	67.4 [19.8] -4.3 [-1.3] 10.6	66.6 [19.5] -4.2 [-1.2] 10.5	70.6 [20.7] 2.8 [0.8] 10.7	65.9 [19.3] 2.4 [0.7] 10.4	65 [19.1] 2.3 [0.7] 10.3	62.4 [18.3] 12.5 [3.7] 10.9	58.2 [17.1] 10.6 [3.1] 10.5	57.5 [16.8] 10.2 [3] 10.4
	100°F [37.8°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	67.2 [19.7] -10.3 [-3] 11.9	62.7 [18.4] -8.7 [-2.5] 11.5	61.9 [18.1] -8.4 [-2.5] 11.4	65.5 [19.2] -2.4 [-0.7] 11.7	61.1 [17.9] -2 [-0.6] 11.3	60.3 [17.7] -1.9 [-0.6] 11.2	57.3 [16.8] 7.3 [2.2] 11.8	53.5 [15.7] 6.2 [1.8] 11.4	52.8 [15.5] 6 [1.8] 11.3
	110°F [43.3°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	62 [18.2] -13.5 [-4] 13	57.8 [16.9] -11.4 [-3.3] 12.6	57.1 [16.7] -11 [-3.2] 12.5	60.3 [17.7] -5.6 [-1.6] 12.8	56.2 [16.5] -4.7 [-1.4] 12.3	55.5 [16.3] -4.6 [-1.3] 12.3	52.1 [15.3] 4.1 [1.2] 12.9	48.6 [14.2] 3.5 [1] 12.5	48 [14.1] 3.4 [1] 12.4
	120°F [48.9°C]	Total kBTu/h [kW] Sens kBTu/h [kW] Power	56.6 [16.6] -14.7 [-4.3] 14.3	52.8 [15.5] -12.4 [-3.6] 13.8	52.1 [15.3] -12 [-3.5] 13.8	54.9 [16.1] -6.9 [-2] 14.1	51.2 [15] -5.8 [-1.7] 13.6	50.6 [14.8] -5.6 [-1.6] 13.5	46.7 [13.7] 2.9 [0.8] 14.2	43.6 [12.8] 2.4 [0.7] 13.8	43 [12.6] 2.3 [0.7] 13.7

P. APPENDICES

Appendix E – Heating Performance

Models: (-)GED Gas Heat Performance Specifications

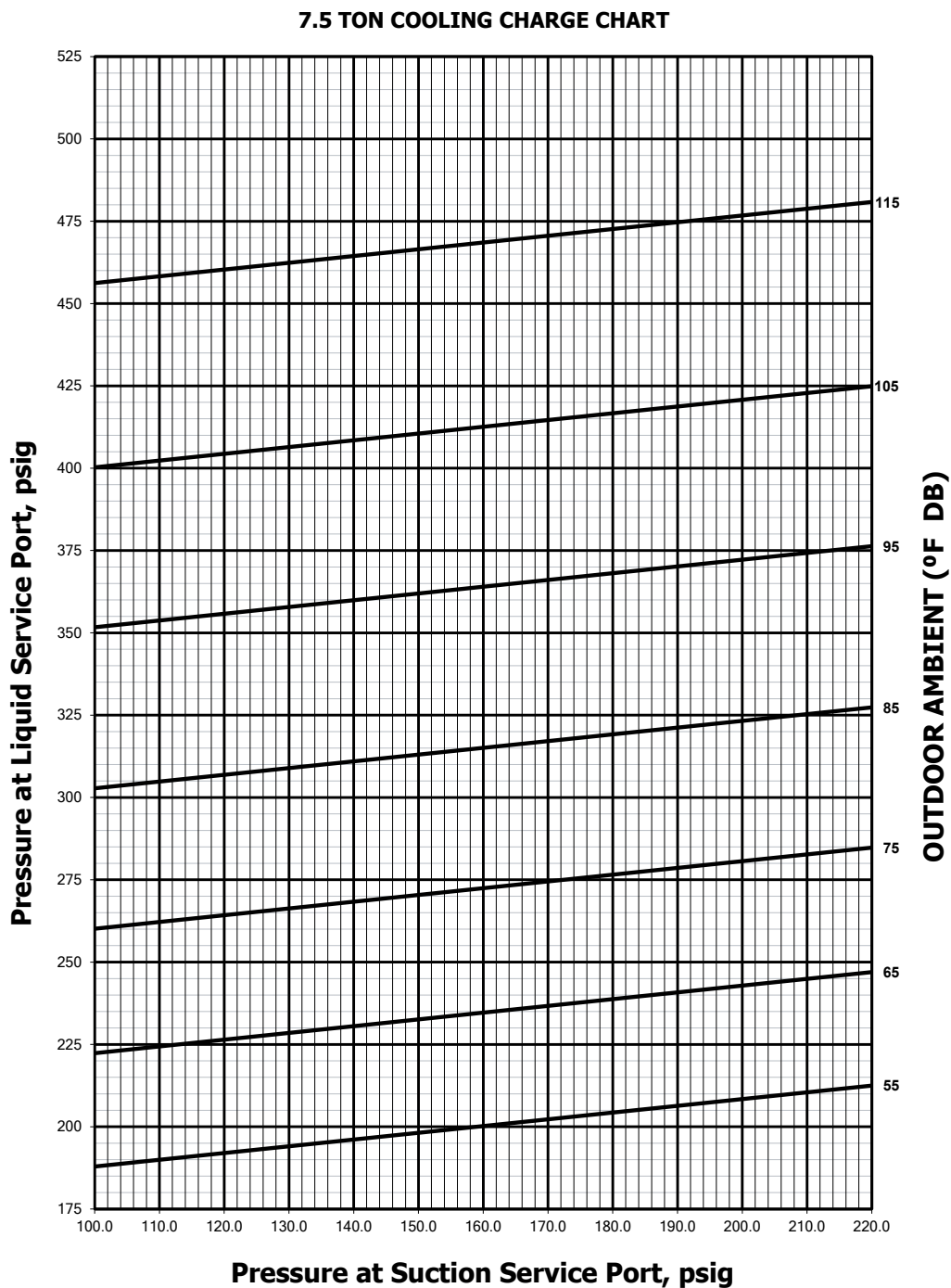
Model (-)GEDYB	Heating Input Btu/h [kW] (1st Stage / 2nd Stage)	Heating Output Btu/h [kW] (1st Stage / 2nd Stage)	Temperature Rise Range °F [°C] (1st Stage / 2nd Stage)	Steady State Efficiency (%)	No. Burners	No. Stages	Gas Connection Pipe Size In. [mm]
090A**15**A	105,000/150,000 [30.76/43.95]	85,050/121,500 [24.92/35.6]	10-40 [5.6-22.2] / 25-55 [13.9-30.6]	81	6	2	0.75 [19]
090A**20**A	143,000/205,000 [42.06/60.06]	116,200/166,050 [34.07/48.66]	20-50 [11.1-27.8] / 35-65 [19.4-36.1]	81	9	2	0.75 [19]
102A**15**A	105,000/150,000 [30.76/43.95]	85,050/121,500 [24.92/35.6]	5-35 [2.8-19.4] / 15-45 [8.3-25]	81	6	2	0.75 [19]
102A**22**A	157,500/225,000 [46.16/65.92]	127,500/182,250 [37.39/53.4]	15-45 [8.3-25] / 35-65 [19.4-36.1]	81	9	2	0.75 [19]
120A**15**A	105,000/150,000 [30.76/43.95]	85,050/121,500 [24.92/35.6]	10-40 [5.6-22.2] / 20-50 [11.1-27.8]	81	6	2	0.75 [19]
120A**22**A	157,500/225,000 [46.16/65.92]	127,500/182,250 [37.39/53.4]	15-45 [8.3-25] / 35-65 [19.4-36.1]	81	9	2	0.75 [19]
150A**15**A	105,000/150,000 [30.76/43.95]	85,050/121,500 [24.92/35.6]	5-35 [2.8-19.4] / 15-45 [8.3-25]	81	6	2	0.75 [19]
150A**22**A	157,500/225,000 [46.16/65.92]	127,500/182,250 [37.39/53.4]	10-40 [5.6-22.2] / 25-55 [13.9-30.6]	81	9	2	0.75 [19]

Appendix F. A2L Refrigerant Installation Safety Data

		(-)GEDYB090	(-)GEDYB102	(-)GEDYB120	(-)GEDYB150	(-)GEDYB090 w/ Reheat	(-)GEDYB102 w/ Reheat	(-)GEDYB120 w/ Reheat	(-)GEDYB150 w/ Reheat
Refrigerant Charge Weight (oz)		88	113.6	171.2	168	120	152	210.4	214.4
Minimum Circulation Airflow, Qmin (cfm)		293	378	569	559	399	506	700	713
Installed Altitude (ft above sea level)	Altitude Adjustment Factor	Minimum total space area, T _{Amin} (sq-ft)							
0	1.000	162	209	316	310	221	280	388	395
1000	1.025	166	215	323	317	227	287	398	405
2000	1.051	170	220	332	325	232	294	408	415
3000	1.078	175	226	340	334	238	302	418	426
4000	1.107	180	232	349	343	245	310	429	437
5000	1.138	185	238	359	352	252	319	441	450
6000	1.170	190	245	369	362	259	328	454	462
6500	1.187	193	249	375	368	263	333	460	469

P. APPENDICES

Appendix G – Refrigerant Charging Charts



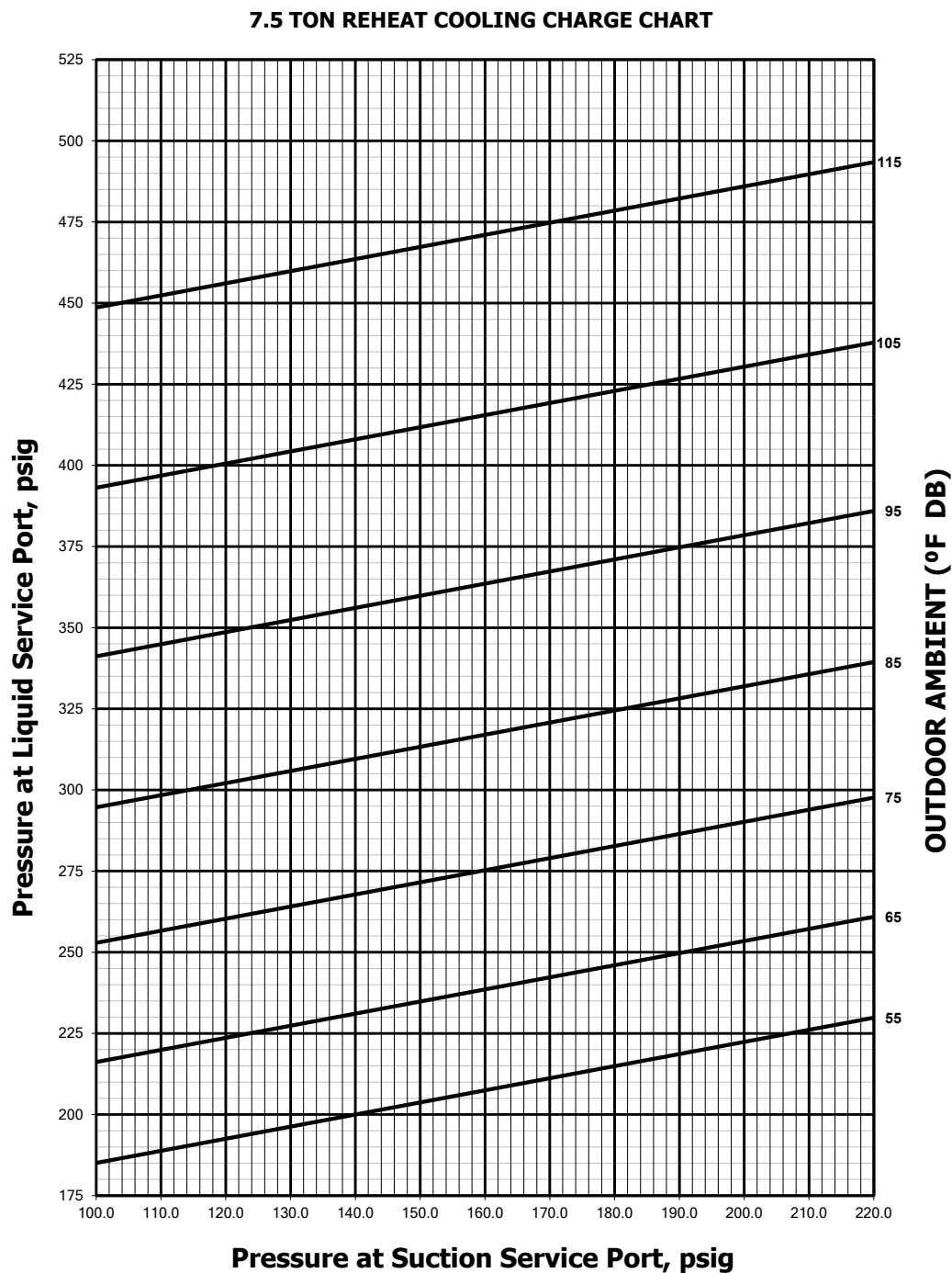
Design Target Subcooling At 95°F: $15.75 \pm 0.5^\circ\text{F}$.

NOTE: Factory charge chart and/or design target subcooling are for gross charge verification. Any adjustment shall not exceed 2% of the total refrigerant weight listed on the rating plate of the unit and should not supersede correctly weighed-in refrigerant.

Refer to the refrigerant charge verification and adjustment section in the I&O manual for instructions on using this charge chart.

92-110039-01-00

Appendix G – Refrigerant Charging Charts (Cont.)



Design Target Subcooling At 95°F: $14.0 \pm 0.5^\circ\text{F}$.

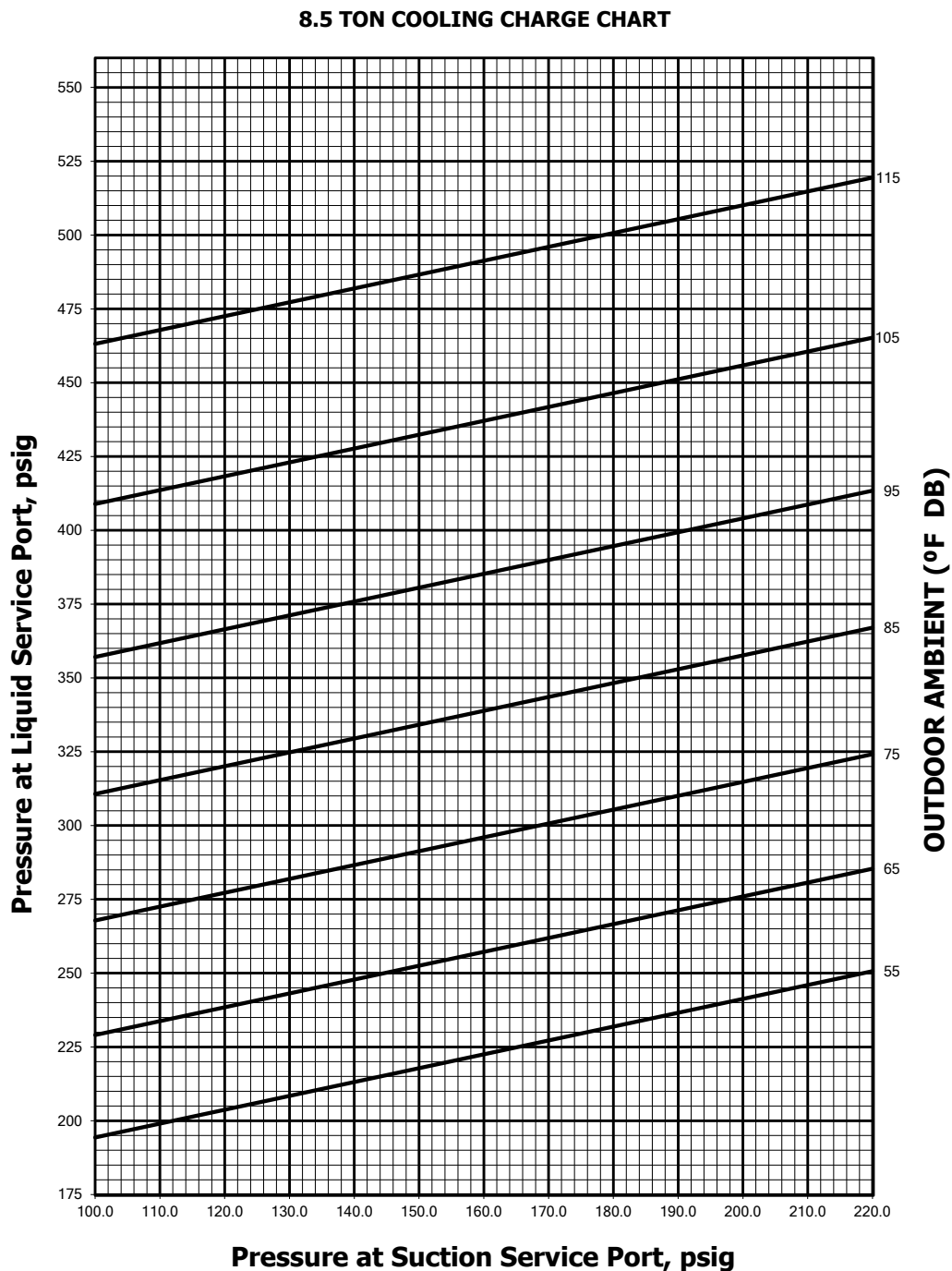
NOTE: Factory charge chart and/or design target subcooling are for gross charge verification. Any adjustment shall not exceed 2% of the total refrigerant weight listed on the rating plate of the unit and should not supersede correctly weighed-in refrigerant.

Refer to the refrigerant charge verification and adjustment section in the I/O manual for instructions on using this charge chart.

92-110039-02-00

P. APPENDICES

Appendix G – Refrigerant Charging Charts (Cont.)



Design Target Subcooling At 95°F: $15.4 \pm 0.5^\circ\text{F}$.

NOTE: Factory charge chart and/or design target subcooling are for gross charge verification. Any adjustment shall not exceed 2% of the total refrigerant weight listed on the rating plate of the unit and should not supersede correctly weighed-in refrigerant.

Refer to the refrigerant charge verification and adjustment section in the I/O manual for instructions on using this charge chart.



92-110039-03-00

Appendix G – Refrigerant Charging Charts (Cont.)

