

1.1KW Characteristic Curve DATA

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Motor Model

NC300DL

- Driver : ADT-8700+PFC

· Input Voltage : 220V

· Input Phase : 1 Phase
- Magnet : N40H

· RPM : 675 rpm

· Pole : 16P
- Phase: 3 Phase

· Hz : 60Hz

· Voltage : 220V

ITEM	Amps (A)	Volts (V)	Watts (W)	PF	Bamps 1 (A)	Bamps 2 (A)	Bamps 3 (A)	Bamps Sum (A)	BVolts 1 (V)	BVolts 2 (V)	BVolts 3 (V)	BVolts Sum (V)	BWatts Sum (W)	BPF Sum (A)	Speed (RPM)	Torque (N.m)	Eff. Drive (%)	Eff. Motor (%)	Eff. Total (%)	HP (HP)	Watts Out (W)	Time (Sec)	Temp.0 (°C)
1	0.781	220.45	150	0.8712	1.225	1.252	1.24	1.239	253.05	253.18	253.17	253.13	120	0.222	674	0.992	80	58.33	46.66	0.0939	70	58.777	28.4
2	0.748	216.47	141	0.8708	1.231	1.219	1.24	1.23	250.32	254.22	254.35	252.96	125	0.2328	674	0.996	88.65	56.28	49.89	0.0943	70.35	68.789	28.5
3	0.758	220.5	143	0.8556	1.207	1.21	1.197	1.205	252.69	253.1	252.84	252.88	123	0.2331	674	1.004	86.01	57.65	49.58	0.0951	70.91	78.899	28.5
4	1.112	220.44	216	0.8812	1.323	1.321	1.305	1.316	253.43	253.45	253.46	253.45	194	0.3348	673	1.988	89.81	72.23	64.88	0.1879	140.13	79.882	28.5
5	1.143	220.21	219	0.8701	1.301	1.311	1.292	1.301	253.14	253.26	253.88	253.43	194	0.3401	674	2.014	88.58	73.29	64.93	0.1907	142.19	89.921	28.5
6	1.189	220.41	223	0.8509	1.308	1.312	1.294	1.305	253.16	253.53	253.5	253.4	195	0.3412	675	1.99	87.44	72.13	63.07	0.1886	140.64	99.993	28.4
7	1.515	220.35	296	0.8867	1.417	1.442	1.42	1.426	253.67	254.15	253.9	253.91	263	0.4198	674	3.003	88.85	80.61	71.62	0.2843	212.01	100.892	28.4
8	1.608	220.34	307	0.8665	1.401	1.408	1.378	1.396	253.5	253.71	253.88	253.7	266	0.4343	674	3.005	86.64	79.74	69.09	0.2845	212.12	110.985	28.6
9	1.54	220.37	296	0.8722	1.37	1.372	1.357	1.366	253.47	253.86	253.86	253.73	263	0.4387	674	3.014	88.85	80.93	71.91	0.2854	212.86	121.007	28.6
10	1.923	220.36	364	0.859	1.509	1.504	1.495	1.503	253.72	254.2	254.06	253.99	335	0.5081	674	3.973	92.03	83.71	77.04	0.3761	280.42	121.953	28.6
11	1.944	220.32	363	0.8475	1.533	1.553	1.532	1.539	254.06	254.44	254.47	254.32	337	0.4969	674	3.983	92.84	83.39	77.42	0.3769	281.03	132.064	28.6
12	1.99	220.38	373	0.8505	1.544	1.557	1.542	1.548	253.84	254.27	254.5	254.2	344	0.5047	675	4.019	92.23	82.52	76.1	0.3807	283.87	142.032	28.6
13	2.411	220.35	446	0.8395	1.731	1.726	1.701	1.719	254.04	254.83	254.6	254.49	410	0.5403	674	4.982	91.93	85.73	78.81	0.4714	351.51	142.686	28.6
14	2.51	219.91	452	0.8189	1.734	1.719	1.702	1.718	255.58	254.38	254.37	254.78	415	0.5471	674	5.042	91.81	85.79	78.77	0.4774	356.03	152.691	28.8
15	2.493	220.35	452	0.8228	1.784	1.787	1.774	1.782	254.77	255.22	255.38	255.12	418	0.5318	674	5.025	92.48	84.85	78.47	0.4756	354.69	162.751	28.7
16	2.933	220.42	526	0.8136	2.042	2.05	2.027	2.04	254.99	255.63	256.1	255.57	486	0.5386	673	5.94	92.4	86.15	79.6	0.5615	418.69	163.271	28.7
17	3.059	220.37	519	0.7699	2.064	2.073	2.046	2.061	256.01	256.28	256.19	256.16	484	0.5293	674	6.012	93.26	87.65	81.74	0.5689	424.23	173.338	28.6
18	3.077	220.46	521	0.768	2.008	2.014	1.985	2.002	255.44	255.86	256.07	255.79	485	0.5466	674	5.956	93.09	86.72	80.73	0.564	420.61	183.36	28.6
19	3.343	219.65	570	0.7763	2.228	2.29	2.226	2.248	254.71	253.89	259.13	255.91	562	0.5648	673	6.979	98.6	87.57	86.34	0.66	492.13	184.232	28.5
20	3.649	220.36	604	0.7512	2.232	2.238	2.216	2.229	255.71	256.41	256.19	256.1	558	0.5649	675	6.959	92.38	88.11	81.4	0.6593	491.64	194.353	28.6
21	3.593	220.55	587	0.7408	2.291	2.276	2.214	2.26	258.71	254.5	255.61	256.27	570	0.5677	674	7.063	97.1	87.48	84.95	0.6687	498.63	204.334	28.6
22	3.952	221.5	670	0.7654	2.411	2.472	2.383	2.422	254.76	255.36	259.63	256.58	635	0.5898	674	7.955	94.78	88.37	83.75	0.7525	561.12	205.131	28.7
23	4.109	220.31	699	0.7722	2.423	2.448	2.422	2.431	255.95	257.48	256.72	256.72	636	0.5888	674	7.932	90.99	88.06	80.12	0.751	560.05	215.198	28.7
24	3.842	219.92	640	0.7575	2.429	2.382	2.369	2.393	258.91	256.58	253.87	256.45	633	0.595	674	7.939	98.91	88.52	87.55	0.7514	560.34	225.22	28.6
25	4.13	219.46	725	0.7999	2.627	2.637	2.556	2.607	258.21	255.53	256.31	256.68	712	0.6144	674	8.996	98.21	89.15	87.55	0.8512	634.77	225.998	28.6
26	4.452	220.31	766	0.781	2.577	2.603	2.581	2.587	256.32	257.11	256.91	256.78	708	0.6148	675	8.924	92.43	89.04	82.3	0.8454	630.38	236.02	28.7
27	4.184	218.71	727	0.7945	2.63	2.602	2.617	2.616	256.1	259.39	255.24	256.91	718	0.6167	674	9.076	98.76	89.23	88.13	0.8592	640.67	246.116	28.6
28	4.371	218.58	741	0.7756	2.71	2.642	2.655	2.669	258.75	257.4	253.88	256.68	750	0.6322	673	9.496	99.99	89.27	90.35	0.8978	669.51	246.66	28.7
29	4.602	220.23	816	0.8051	2.7	2.724	2.704	2.709	256.3	257.05	257.81	256.95	756	0.6271	674	9.604	92.65	89.71	83.11	0.9095	678.18	256.679	28.7
30	4.581	221.25	797	0.7863	2.691	2.662	2.707	2.687	255.45	260.21	255.26	256.97	751	0.6278	674	9.519	94.23	89.46	84.3	0.901	671.87	266.685	28.6
31	4.708	222.06	836	0.7996	2.761	2.749	2.746	2.752	257.97	258.31	254.65	256.98	776	0.6335	673	10.033	92.82	91.18	84.63	0.9488	707.53	267.139	28.6
32	4.685	220.3	855	0.8284	2.778	2.821	2.789	2.796	256.88	257.28	257.28	257.15	790	0.6346	675	10.074	92.4	90.07	83.22	0.9542	711.53	277.216	28.7
33	4.465	219.08	802	0.8199	2.766	2.844	2.782	2.797	254.06	257.03	260.02	257.04	799	0.6419	674	10.11	99.63	89.35	89.01	0.9573	713.88	287.222	28.6
34	4.661	217.38	813	0.8024	2.811	2.922	2.875	2.869	253.8	257.36	259.99	257.05	825	0.646	674	10.504	99.99	89.9	91.23	0.9946	741.66	287.805	28.6
35	4.861	220.28	883	0.8246	2.824	2.876	2.836	2.845	256.72	257.46	257.02	257.07	818	0.6455	674	10.441	92.64	90.15	83.51	0.9889	737.39	297.886	28.6
36	4.645	216.17	820	0.8166	2.892	2.889	2.834	2.872	259.26	254.49	257.3	257.02	824	0.6445	675	10.467	99.99	89.75	90.18	0.9917	739.51	307.888	28.7
37	4.771	218.12	857	0.8235	2.945	3.039	2.965	2.983	253.82	257.83	259.27	256.97	869	0.6542	672	11.073	99.99	89.68	90.93	1.045	779.28	308.54	28.7
38	4.979	220.96	929	0.8444	2.915	3.021	2.95	2.962	255.25	256.6	258.8	256.88	855	0.6491	671	10.913	92.03	89.74	82.59	1.0289	767.25	318.608	28.8
39	4.748	217.1	847	0.8217	2.986	2.949	2.987	2.974	256.78	259.69	254.55	257.01	861	0.6509	672	11.016	99.99	90.07	91.56	1.04	775.51	328.555	28.7
40	4.81	218.09	857	0.817	3.044	3.111	3.058	3.071	251.98	253.43	253.12	252.84	865	0.6434	648	11.47	99.99	89.94	90.78	1.0433	778	329.329	28.7
41	5.093	220.64	968	0.8614	3.026	3.057	3.056	3.046	256.69	258.75	257.04	257.49	895	0.6586	674	11.497	92.46	90.68	83.84	1.0884	811.61	339.324	28.6
42	4.898	218.11	889	0.8322	3.008	3.111	3.031	3.05	254.41	258.02	259.93	257.45	896	0.6594	675	11.421	99.99	90.06	90.77	1.0821	806.9	349.388	28.7
43	4.93	216.51	926	0.8675	3.09	3.203	3.138	3.144	253.89	257.33	259.91	257.04	929	0.6638	672	11.949	99.99	90.45	90.75	1.1269	840.3	350.137	28.6
44	5.273	220.4	1022	0.8794	3.112	3.212	3.151	3.158	254.93	257.92	259.9	257.58	939	0.6669	674	11.926	91.88	89.65	82.36	1.1288	841.77	360.115	28.7
45	5.17	219.62	992	0.8737	3.125	3.183	3.13	3.146	255.79	257.37	259.41	257.52	937	0.668	674	11.908	94.46	89.72	84.75	1.1274	840.72	370.214	28.7
46	4.976	216.09	952	0.8854	3.182	3.299	3.253	3.245	252.75	259.01	257.92	256.56	965	0.6694	667	12.439	99.99	90.06	91.29	1.1654	869.06	370.844	28.7
47	5.347	220.2	1051	0.8926	3.231	3.304	3.247	3.261	257.22	257.87	257.66	257.58	978	0.672	674	12.576	93.05	90.75	84.44	1.1902	887.5	380.929	28.8
48	5.233	216.03	1009	0.8925	3.262	3.252	3.33	3.281	257.96	259.57	254.64	257.39	993	0.6785	674	12.645	98.41	89.89	88.46	1.1969	892.56	390.998	28.8
49	5.195	215.4	997	0.891	3.353	3.329	3.279	3.32	259.81	255.38	256.41	257.2	1001	0.6766	672	12.894							

2.2KW Characteristic Curve DATA

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Motor Model
NK300DL

- Driver : ADT-8850DRV

· Input Voltage : 220V

· Input Phase : 1 Phase
- Magnet : N40H

· RPM : 750rpm

· Pole : 16P
- Phase: 3 Phase

· Hz : 60Hz

· Voltage : 220V

ITEM	Amps (A)	Volts (V)	Watts (W)	PF	Bamps 1 (A)	Bamps 2 (A)	Bamps 3 (A)	Bamps Sum (A)	BVolts 1 (V)	BVolts 2 (V)	BVolts 3 (V)	BVolts Sum (V)	BWatts Sum (W)	BPF Sum (A)	Speed (RPM)	Torque (N.m)	Eff. Drive (%)	Eff. Motor (%)	Eff. Total (%)	HP (HP)	Watts Out (W)	Time (Sec)	Temp.0 (°C)
1	1.262	220.44	132	0.4745	0.409	0.448	0.457	0.438	213.52	213.68	213.96	213.72	118	0.732	750	0.666	89.39	44.31	39.61	0.0701	52.28	35.447	29.9
2	1.253	220.48	131	0.4742	0.407	0.422	0.435	0.421	213.53	213.9	213.83	213.75	116	0.7422	750	0.71	88.55	48.07	42.56	0.0748	55.76	42.863	30.1
3	1.277	222.54	135	0.475	0.405	0.429	0.444	0.426	213.49	215.06	212.53	213.69	117	0.743	750	0.708	86.67	47.5	41.17	0.0745	55.57	50.302	29.9
4	1.166	218.23	114	0.448	0.414	0.43	0.451	0.432	215.46	212.98	213.23	213.89	119	0.7471	749	0.707	99.99	46.64	48.68	0.0744	55.5	57.858	30
5	1.477	220.55	158	0.485	0.499	0.525	0.531	0.518	213.61	213.54	213.61	213.59	145	0.7587	749	0.987	91.77	53.41	49.01	0.1039	77.44	65.374	29.8
6	1.481	220.56	158	0.4837	0.483	0.513	0.529	0.508	213.57	213.73	214.01	213.77	144	0.7656	750	1.022	91.14	55.75	50.81	0.1077	80.28	72.939	30.2
7	1.352	218.15	135	0.4577	0.469	0.511	0.515	0.498	212.38	213.5	215.36	213.75	141	0.7659	749	0.995	99.99	55.37	57.83	0.1047	78.07	80.341	30.2
8	1.512	225.25	166	0.4874	0.495	0.501	0.532	0.509	213.77	215.73	211.51	213.67	144	0.7628	749	1.012	86.75	55.15	47.84	0.1065	79.41	87.835	30.1
9	2.111	220.43	236	0.5072	0.724	0.751	0.763	0.746	213.58	213.83	213.7	213.7	217	0.7862	749	2.014	91.95	72.82	66.95	0.2119	158.01	95.446	29.8
10	2.14	220.37	240	0.5089	0.74	0.773	0.799	0.771	213.84	213.53	213.64	213.67	224	0.7852	749	2.001	93.33	70.11	65.44	0.2106	157.05	102.96	30
11	2.163	226.17	250	0.511	0.736	0.751	0.78	0.756	215.38	211.58	214.27	213.74	222	0.7929	750	2.009	88.8	71.04	63.08	0.2115	157.7	110.352	30
12	2.512	217.46	270	0.4943	0.986	1.005	1.019	1.003	212.42	213.12	215.69	213.74	296	0.7961	749	3.018	99.99	80	87.71	0.3176	236.81	117.867	29.9
13	2.773	220.51	321	0.525	1.002	1.024	1.041	1.022	213.3	213.66	213.95	213.64	300	0.7922	749	2.995	93.46	78.35	73.22	0.3152	235.04	125.363	29.9
14	3.428	220.48	406	0.5372	1.289	1.338	1.356	1.328	213.41	213.7	213.68	213.6	390	0.7924	750	3.981	96.06	80.13	76.97	0.4191	312.51	132.91	29.9
15	3.165	217.13	349	0.5078	1.276	1.33	1.355	1.32	212.43	215.74	212.51	213.56	386	0.7917	750	3.968	99.99	80.7	89.26	0.4177	311.5	140.499	29.9
16	3.472	225.02	421	0.5389	1.281	1.275	1.336	1.297	215.76	212.11	212.55	213.47	380	0.7909	750	3.984	90.26	82.32	74.3	0.4195	312.82	148.043	30.1
17	4.045	220.38	488	0.5474	1.571	1.6	1.608	1.593	213.77	213.51	213.55	213.61	468	0.7938	750	5.023	95.9	84.25	80.8	0.5287	394.29	155.374	29.8
18	4.059	220.35	490	0.5479	1.564	1.589	1.601	1.585	213.57	213.53	213.57	213.56	464	0.7916	749	4.98	94.69	84.21	79.74	0.524	390.75	162.883	30
19	4.188	225.89	520	0.5497	1.562	1.632	1.596	1.597	211.92	212.88	215.69	213.5	466	0.7902	750	5.053	89.62	85.13	76.29	0.532	396.7	170.357	30.1
20	4.641	220.21	568	0.5558	1.815	1.862	1.873	1.85	213.51	213.58	213.74	213.61	544	0.7939	749	5.975	95.77	86.18	82.53	0.6287	468.8	177.782	30
21	4.678	220.35	572	0.5549	1.845	1.881	1.9	1.875	213.49	213.49	213.47	213.48	548	0.79	750	5.929	95.8	84.96	81.39	0.6243	465.58	185.224	30
22	5.446	225.63	695	0.5656	2.053	2.17	2.129	2.117	211.47	215.21	215	213.89	627	0.7989	750	6.972	90.22	87.28	78.74	0.7338	547.23	192.608	30
23	4.85	216.84	561	0.5334	2.068	2.072	2.145	2.095	215.77	213.21	212.04	213.67	617	0.7954	749	6.929	99.99	88.13	96.92	0.7292	543.74	200.151	30.2
24	5.338	221.67	668	0.5645	2.101	2.097	2.146	2.115	214.72	212.69	214.11	213.84	626	0.8001	750	6.978	93.71	87.5	82	0.7346	547.76	207.657	29.9
25	5.923	220.32	742	0.5686	2.396	2.435	2.453	2.428	213.99	213.81	213.89	213.9	718	0.7981	749	8.015	96.77	87.58	84.74	0.8432	628.8	215.201	30
26	5.925	220.2	743	0.5695	2.378	2.468	2.431	2.426	213.51	213.46	213.75	213.57	713	0.794	749	7.993	95.96	87.96	84.41	0.841	627.15	222.787	30
27	6.72	225.57	875	0.5772	2.601	2.742	2.708	2.684	211.8	215.58	215.3	214.23	800	0.8031	749	9.168	91.43	89.88	82.17	0.9642	719.01	230.223	29.9
28	6.566	220.18	832	0.5755	2.671	2.725	2.738	2.711	214.08	214.25	213.89	214.07	802	0.7982	749	9.019	96.39	88.24	85.06	0.949	707.7	237.742	30.1
29	6.493	220.29	821	0.574	2.607	2.669	2.685	2.654	214.07	214.08	214.04	214.06	789	0.8019	749	8.988	96.1	89.41	85.92	0.946	705.43	245.086	30
30	7.302	223.81	949	0.5807	2.905	2.957	3.054	2.972	215.24	215.5	212.36	214.37	887	0.8037	750	9.952	93.47	88.11	82.35	1.048	781.51	252.461	30.1
31	6.582	216.52	786	0.5515	2.903	2.955	2.932	2.93	215.09	212.11	215.39	214.2	872	0.8024	749	9.978	99.99	89.75	99.57	1.0496	782.65	260.016	30.1
32	7.101	220.34	907	0.5797	2.874	2.974	2.996	2.948	213.96	213.86	214.02	213.95	871	0.798	750	10.017	96.03	90.29	86.7	1.0546	786.41	267.398	29.9
33	7.229	216.42	870	0.5561	3.156	3.305	3.25	3.237	212.06	214.53	215.6	214.06	960	0.7996	750	10.967	99.99	89.67	98.95	1.1544	860.87	282.204	30.1
34	8.054	224.23	1062	0.5881	3.171	3.29	3.369	3.277	214.24	216.08	212.03	214.12	974	0.8017	750	11.057	91.71	89.16	81.77	1.1646	868.43	289.701	30
35	8.33	220.25	1081	0.5892	3.435	3.526	3.523	3.495	214.24	214.24	214.23	214.24	1039	0.8017	750	12.005	96.11	90.69	87.17				