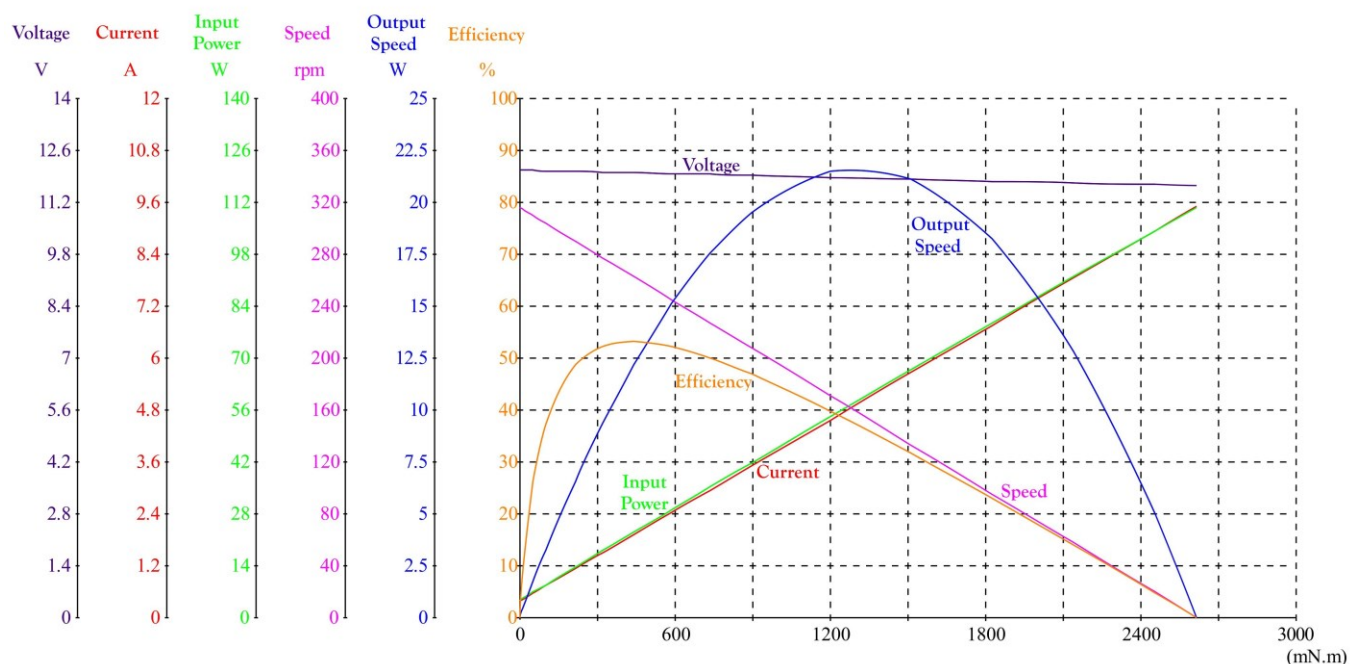


Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG36555126000-19.2K
Number	



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency	Time
	V	A	W	mN.m	rpm	W	%	S
No Load	12.05	0.369	4.443	0.6	315.7	0.020	0.4	0.000
Max Efficiency Point	11.98	1.914	22.93	443.4	262.2	12.17	53.1	18.25
Max Output Power Point	11.84	4.921	58.29	1305.0	158.2	21.62	37.1	28.39
Maximum Torque Point	11.63	9.494	110.5	2615.6	0.0	0.000	0.0	0.000
End Point	11.63	9.494	110.5	2615.6	0.0	0.000	0.0	0.000

SN	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency	Time
	V	A	W	mN.m	rpm	W	%	S
1	12.05	0.366	4.418	0.0	315.7	0.000	0.0	0.000
2	12.05	0.369	4.443	0.6	315.7	0.020	0.4	0.000
3	12.05	0.381	4.598	4.3	315.2	0.142	3.1	2.028
4	12.05	0.410	4.947	12.6	314.2	0.415	8.4	3.042
5	12.05	0.444	5.350	22.2	313.0	0.728	13.6	4.056
6	12.05	0.495	5.959	36.7	311.3	1.196	20.1	5.070
7	12.05	0.555	6.684	54.0	309.2	1.748	26.2	6.084

8	12.04	0.627	7.548	74.6	306.7	2.396	31.7	7.098
9	12.04	0.691	8.320	93.0	304.5	2.965	35.6	8.112
10	12.04	0.721	8.680	101.6	303.5	3.228	37.2	9.126
11	12.03	0.887	10.68	149.3	297.7	4.654	43.6	10.14
12	12.03	1.000	12.02	181.5	293.8	5.583	46.4	11.15
13	12.02	1.122	13.48	216.4	289.6	6.562	48.7	12.17
14	12.02	1.219	14.65	244.4	286.2	7.324	50.0	13.18
15	12.01	1.353	16.25	282.7	281.6	8.335	51.3	14.20
16	12.00	1.492	17.91	322.6	276.8	9.349	52.2	15.21
17	12.00	1.641	19.69	365.3	271.6	10.39	52.8	16.22
18	11.99	1.694	20.32	380.4	269.8	10.75	52.9	17.24
19	11.98	1.914	22.93	443.4	262.2	12.17	53.1	18.25
20	11.98	2.080	24.91	490.9	256.5	13.18	52.9	19.27
21	11.97	2.251	26.94	540.0	250.5	14.17	52.6	20.28
22	11.96	2.423	28.98	589.4	244.6	15.09	52.1	21.29
23	11.95	2.564	30.65	629.8	239.7	15.81	51.6	22.31
24	11.95	2.751	32.86	683.3	233.2	16.69	50.8	23.32
25	11.94	2.940	35.09	737.5	226.7	17.51	49.9	24.34
26	11.93	3.055	36.45	770.5	222.7	17.97	49.3	25.35
27	11.92	3.293	39.25	838.6	214.5	18.83	48.0	26.36
28	11.91	3.494	41.62	896.2	207.5	19.47	46.8	27.38
29	11.90	3.825	45.50	991.0	196.1	20.35	44.7	28.39
30	11.88	4.190	49.77	1095.7	183.5	21.05	42.3	28.39
31	11.86	4.555	54.04	1200.4	170.8	21.47	39.7	28.39
32	11.84	4.921	58.29	1305.0	158.2	21.62	37.1	28.39
33	11.83	5.286	62.52	1409.7	145.6	21.48	34.4	28.39
34	11.81	5.651	66.75	1514.4	132.9	21.08	31.6	28.39
35	11.79	6.017	70.96	1619.1	120.3	20.39	28.7	28.39
36	11.78	6.382	75.16	1723.7	107.7	19.43	25.8	28.39
37	11.76	6.747	79.35	1828.4	95.0	18.19	22.9	28.39
38	11.74	7.113	83.53	1933.1	82.4	16.67	20.0	28.39
39	11.73	7.478	87.69	2037.8	69.8	14.88	17.0	28.39
40	11.71	7.843	91.84	2142.4	57.1	12.81	13.9	28.39
41	11.69	8.208	95.98	2247.1	44.5	10.46	10.9	28.39
42	11.68	8.574	100.1	2351.8	31.8	7.841	7.8	28.39
43	11.66	8.939	104.2	2456.5	19.2	4.940	4.7	28.39
44	11.64	9.304	108.3	2561.2	6.6	1.763	1.6	28.39
45	11.63	9.494	110.5	2615.6	0.0	0.000	0.0	0.000