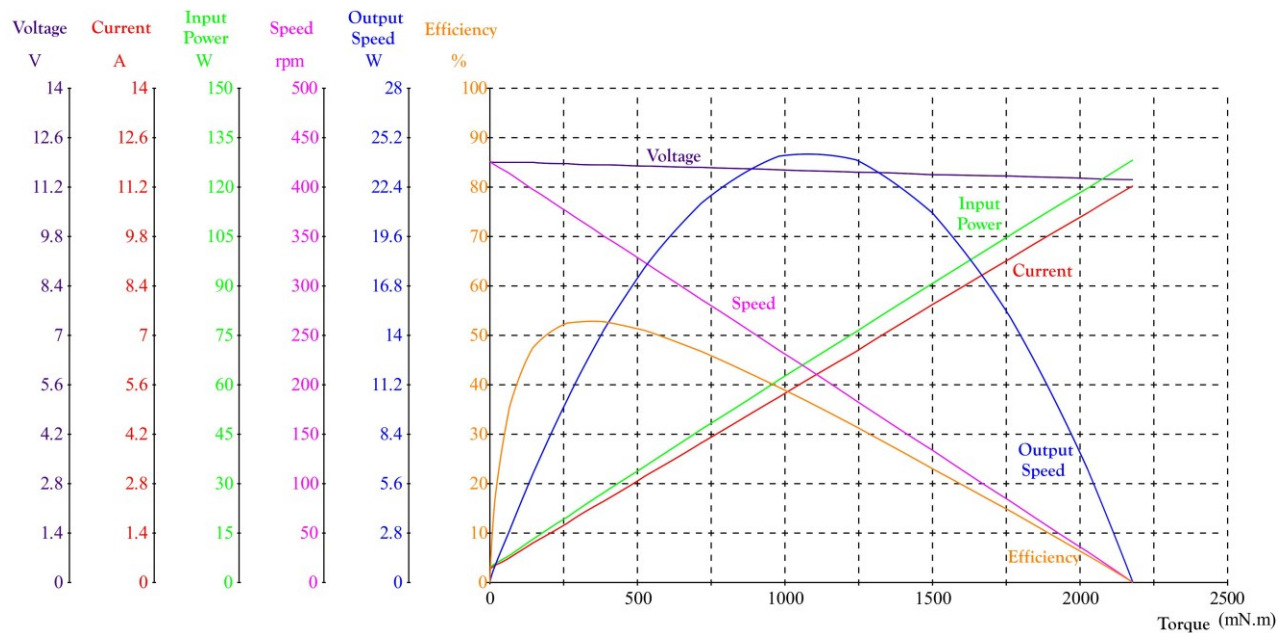


## Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG36555126000-13.7K
Number	071



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency	Time
	V	A	W	mN.m	rpm	W	%	S
No Load	11.91	0.356	4.240	0.0	426.1	0.000	0.0	0.000
Max Efficiency Point	11.82	2.068	24.46	343.6	359.0	12.91	52.8	14.20
Max Output Power Point	11.65	5.673	66.12	1067.0	217.8	24.33	36.8	20.28
Maximum Torque Point	11.39	11.23	128.0	2183.0	0.0	0.000	0.0	0.000
End Point	11.39	11.23	128.0	2183.0	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	11.91	0.356	4.240	0.0	426.1	0.000	0.0	0.000
2	11.90	0.391	4.649	6.9	424.7	0.307	6.6	0.000
3	11.90	0.415	4.945	11.9	423.7	0.528	10.7	2.028
4	11.90	0.457	5.442	20.3	422.1	0.897	16.5	3.042
5	11.90	0.517	6.147	32.2	419.8	1.415	23.0	4.056
6	11.89	0.589	7.010	46.8	416.9	2.043	29.1	5.070
7	11.89	0.692	8.228	67.4	412.9	2.914	35.4	6.084
8	11.88	0.819	9.728	92.8	407.9	3.964	40.7	7.098

9	11.88	0.966	11.47	122.3	402.2	5.150	44.9	8.112
10	11.87	1.090	12.94	147.3	397.3	6.127	47.3	9.126
11	11.86	1.275	15.13	184.4	390.1	7.531	49.8	10.14
12	11.85	1.470	17.42	223.5	382.4	8.949	51.4	11.15
13	11.84	1.672	19.80	264.0	374.5	10.35	52.3	12.17
14	11.83	1.892	22.39	308.3	365.9	11.81	52.7	13.18
15	11.82	2.068	24.46	343.6	359.0	12.91	52.8	14.20
16	11.81	2.306	27.24	391.3	349.7	14.33	52.6	15.21
17	11.80	2.543	30.01	438.8	340.4	15.64	52.1	16.22
18	11.79	2.788	32.87	488.0	330.8	16.90	51.4	17.24
19	11.78	2.978	35.09	526.2	323.4	17.81	50.8	18.25
20	11.77	3.230	38.02	576.7	313.5	18.93	49.8	19.27
21	11.76	3.497	41.11	630.2	303.1	20.00	48.6	20.28
22	11.74	3.932	46.15	717.6	286.0	21.49	46.6	20.28
23	11.72	4.367	51.17	804.9	269.0	22.67	44.3	20.28
24	11.70	4.803	56.17	892.3	251.9	23.53	41.9	20.28
25	11.68	5.238	61.15	979.7	234.9	24.09	39.4	20.28
26	11.65	5.673	66.12	1067.0	217.8	24.33	36.8	20.28
27	11.63	6.109	71.07	1154.4	200.8	24.26	34.1	20.28
28	11.61	6.544	76.00	1241.7	183.7	23.88	31.4	20.28
29	11.59	6.979	80.91	1329.1	166.7	23.19	28.7	20.28
30	11.57	7.415	85.81	1416.5	149.6	22.19	25.9	20.28
31	11.55	7.850	90.68	1503.8	132.6	20.87	23.0	20.28
32	11.53	8.286	95.54	1591.2	115.5	19.24	20.1	20.28
33	11.51	8.721	100.4	1678.6	98.5	17.30	17.2	20.28
34	11.49	9.156	105.2	1765.9	81.4	15.05	14.3	20.28
35	11.47	9.592	110.0	1853.3	64.3	12.49	11.4	20.28
36	11.45	10.03	114.8	1940.7	47.3	9.610	8.4	20.28
37	11.43	10.46	119.6	2028.0	30.2	6.422	5.4	20.28
38	11.41	10.90	124.3	2115.4	13.2	2.923	2.4	20.28
39	11.39	11.23	128.0	2183.0	0.0	0.000	0.0	0.000