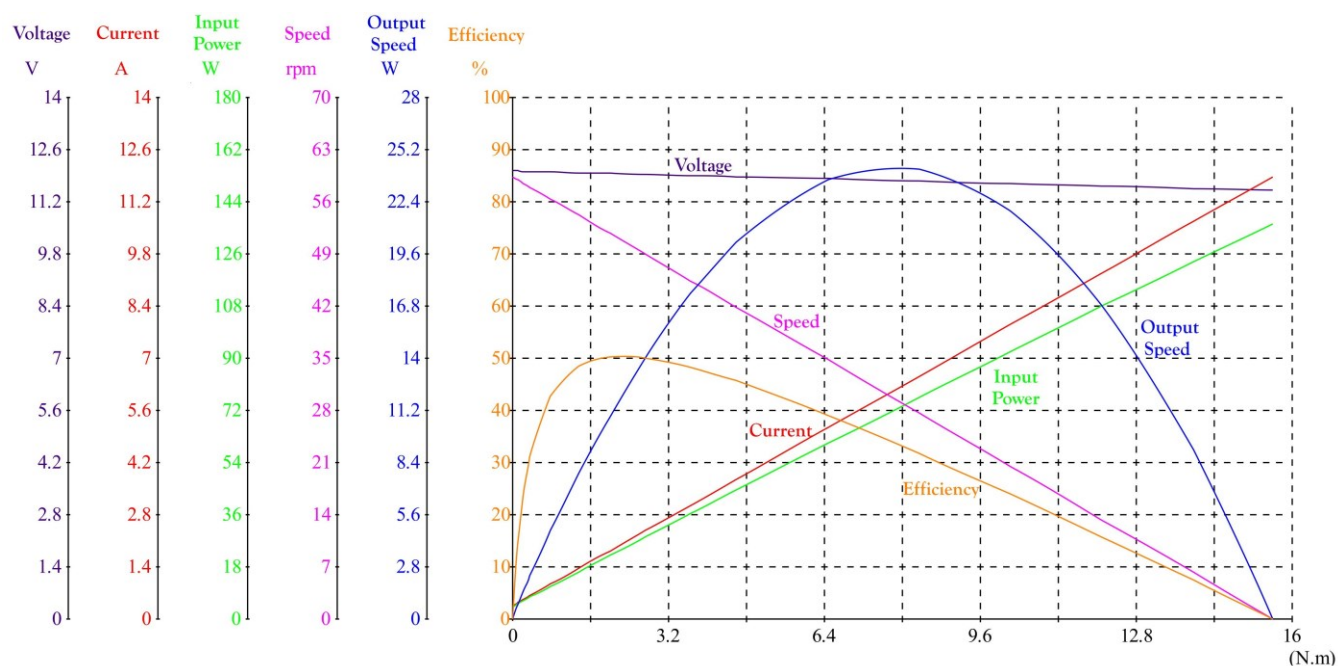


Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG36555126000-99.5K
Number	



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency	Time
	V	A	W	N.m	rpm	W	%	S
No Load	12.01	0.332	3.984	0.000	59.3	0.000	0.0	0.000
Max Efficiency Point	11.93	2.105	25.12	2.403	50.2	12.63	50.3	19.27
Max Output Power Point	11.76	6.039	71.00	7.734	29.9	24.23	34.1	27.38
Maximum Torque Point	11.50	11.85	136.2	15.605	0.0	0.000	0.0	0.000
End Point	11.50	11.85	136.2	15.605	0.0	0.000	0.0	0.000

SN	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency	Time
	V	A	W	N.m	rpm	W	%	S
1	12.01	0.332	3.984	0.000	59.3	0.000	0.0	0.000
2	12.01	0.410	4.922	0.106	58.9	0.654	13.3	0.000
3	12.01	0.419	5.029	0.118	58.9	0.727	14.5	2.028
4	12.01	0.421	5.055	0.121	58.9	0.746	14.7	3.042
5	12.01	0.417	5.011	0.116	58.9	0.715	14.3	4.056
6	12.00	0.459	5.506	0.172	58.7	1.056	19.2	5.070

7	12.00	0.503	6.037	0.232	58.4	1.419	23.5	6.084
8	12.00	0.548	6.576	0.293	58.2	1.785	27.2	7.098
9	12.00	0.569	6.823	0.321	58.1	1.952	28.6	8.112
10	12.00	0.605	7.256	0.370	57.9	2.243	30.9	9.126
11	12.00	0.642	7.707	0.421	57.7	2.544	33.0	10.14
12	11.99	0.788	9.446	0.618	57.0	3.686	39.0	11.15
13	11.98	0.921	11.03	0.798	56.3	4.702	42.6	12.17
14	11.98	1.042	12.48	0.962	55.7	5.606	44.9	13.18
15	11.97	1.189	14.24	1.162	54.9	6.679	46.9	14.20
16	11.96	1.346	16.10	1.374	54.1	7.781	48.3	15.21
17	11.96	1.507	18.03	1.593	53.3	8.883	49.3	16.22
18	11.95	1.646	19.67	1.781	52.5	9.798	49.8	17.24
19	11.94	1.809	21.61	2.002	51.7	10.84	50.2	18.25
20	11.93	2.105	25.12	2.403	50.2	12.63	50.3	19.27
21	11.92	2.283	27.22	2.644	49.3	13.64	50.1	20.28
22	11.92	2.350	28.01	2.734	48.9	14.00	50.0	21.29
23	11.91	2.513	29.93	2.955	48.1	14.88	49.7	22.31
24	11.90	2.831	33.68	3.386	46.4	16.46	48.9	23.32
25	11.89	3.043	36.18	3.674	45.3	17.44	48.2	24.34
26	11.88	3.247	38.57	3.950	44.3	18.32	47.5	25.35
27	11.87	3.496	41.49	4.287	43.0	19.31	46.5	26.36
28	11.86	3.735	44.29	4.611	41.8	20.17	45.6	27.38
29	11.84	4.196	49.67	5.236	39.4	21.61	43.5	27.38
30	11.82	4.657	55.03	5.860	37.0	22.73	41.3	27.38
31	11.80	5.118	60.37	6.485	34.7	23.54	39.0	27.38
32	11.78	5.579	65.69	7.109	32.3	24.04	36.6	27.38
33	11.76	6.039	71.00	7.734	29.9	24.23	34.1	27.38
34	11.74	6.500	76.28	8.358	27.5	24.10	31.6	27.38
35	11.71	6.961	81.55	8.983	25.2	23.67	29.0	27.38
36	11.69	7.422	86.80	9.607	22.8	22.93	26.4	27.38
37	11.67	7.883	92.03	10.232	20.4	21.88	23.8	27.38
38	11.65	8.344	97.24	10.856	18.1	20.52	21.1	27.38
39	11.63	8.805	102.4	11.481	15.7	18.84	18.4	27.38
40	11.61	9.266	107.6	12.105	13.3	16.86	15.7	27.38
41	11.59	9.727	112.8	12.730	10.9	14.57	12.9	27.38
42	11.57	10.19	117.9	13.354	8.6	11.96	10.1	27.38
43	11.55	10.65	123.0	13.979	6.2	9.047	7.4	27.38
44	11.53	11.11	128.1	14.603	3.8	5.822	4.5	27.38
45	11.51	11.57	133.2	15.228	1.4	2.286	1.7	27.38
46	11.50	11.85	136.2	15.605	0.0	0.000	0.0	0.000