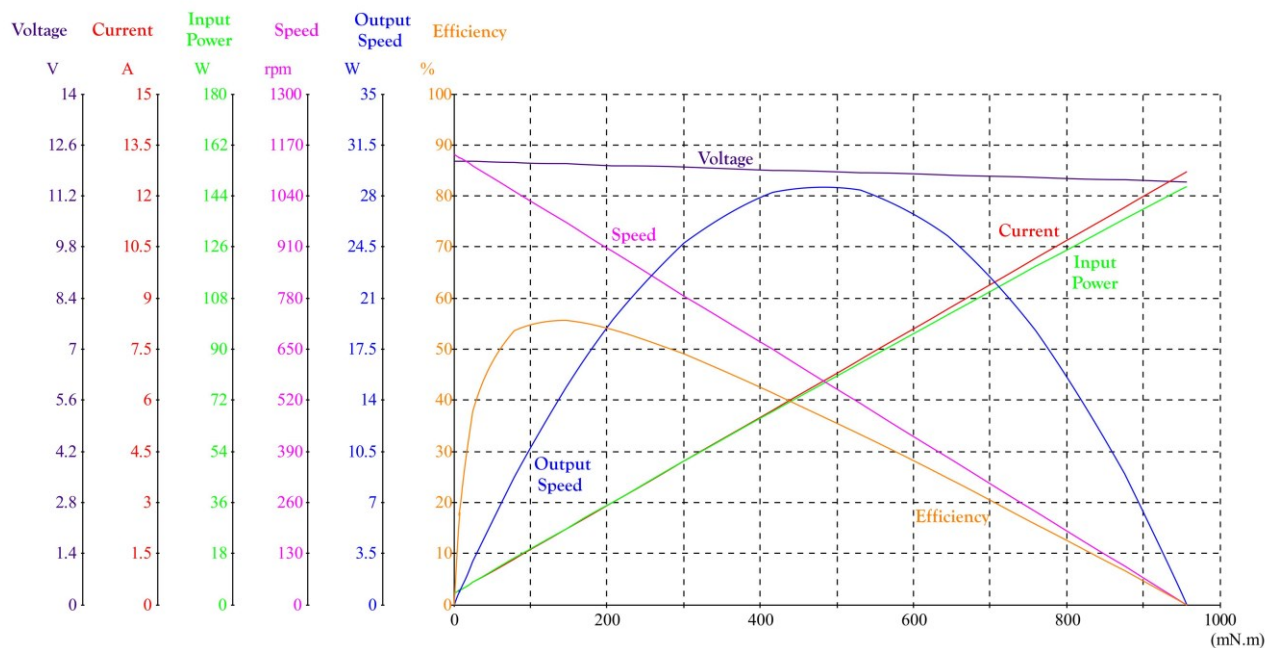


Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG36555126000-5.2K
Number	



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
No Load	12.16	0.318	3.869	0.0	1147.3	0.000	0.0
Max Efficiency Point	12.08	2.219	26.79	146.6	971.5	14.91	55.7
Max Output Power Point	11.87	6.703	79.54	492.5	556.8	28.71	36.1
Maximum Torque Point	11.59	12.72	147.4	956.9	0.0	0.000	0.0
End Point	11.59	12.72	147.4	956.9	0.0	0.000	0.0

SN	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
1	12.16	0.318	3.869	0.0	1147.3	0.000	0.0
2	12.16	0.414	5.034	7.4	1138.4	0.882	17.5
3	12.16	0.418	5.081	7.7	1138.0	0.917	18.1
4	12.16	0.417	5.066	7.6	1138.2	0.906	17.9
5	12.16	0.417	5.066	7.6	1138.2	0.906	17.9
6	12.16	0.417	5.066	7.6	1138.2	0.906	17.9
7	12.16	0.414	5.034	7.4	1138.4	0.882	17.5
8	12.16	0.415	5.050	7.5	1138.3	0.894	17.7
9	12.16	0.419	5.097	7.8	1137.9	0.929	18.2
10	12.16	0.457	5.554	10.7	1134.4	1.271	22.9
11	12.16	0.515	6.262	15.2	1129.0	1.797	28.7
12	12.15	0.533	6.482	16.6	1127.4	1.959	30.2
13	12.15	0.649	7.881	25.5	1116.7	2.981	37.8
14	12.14	0.794	9.639	36.7	1103.3	4.239	44.0
15	12.13	0.975	11.84	50.7	1086.5	5.767	48.7
16	12.12	1.345	16.30	79.2	1052.3	8.726	53.5
17	12.10	1.602	19.39	99.0	1028.6	10.66	55.0
18	12.09	1.891	22.86	121.3	1001.8	12.72	55.7
19	12.08	2.219	26.79	146.6	971.5	14.91	55.7
20	12.06	2.531	30.53	170.7	942.6	16.85	55.2
21	12.06	2.634	31.75	178.6	933.1	17.45	55.0
22	12.04	2.994	36.05	206.4	899.8	19.44	53.9
23	12.02	3.345	40.22	233.5	867.3	21.20	52.7
24	12.01	3.724	44.71	262.7	832.3	22.89	51.2
25	11.98	4.220	50.57	301.0	786.4	24.78	49.0
26	11.96	4.717	56.41	339.3	740.5	26.30	46.6
27	11.94	5.213	62.23	377.6	694.6	27.46	44.1
28	11.91	5.710	68.02	415.9	648.6	28.24	41.5
29	11.89	6.206	73.80	454.2	602.7	28.66	38.8
30	11.87	6.703	79.54	492.5	556.8	28.71	36.1
31	11.84	7.199	85.27	530.8	510.9	28.39	33.3
32	11.82	7.696	90.97	569.0	465.0	27.70	30.5
33	11.80	8.192	96.65	607.3	419.1	26.65	27.6
34	11.78	8.689	102.3	645.6	373.2	25.22	24.7
35	11.75	9.185	107.9	683.9	327.2	23.43	21.7
36	11.73	9.682	113.6	722.2	281.3	21.27	18.7
37	11.71	10.18	119.1	760.5	235.4	18.75	15.7
38	11.68	10.67	124.7	798.8	189.5	15.85	12.7
39	11.66	11.17	130.3	837.1	143.6	12.58	9.7
40	11.64	11.67	135.8	875.4	97.7	8.952	6.6
41	11.61	12.16	141.3	913.7	51.8	4.952	3.5
42	11.59	12.66	146.7	952.0	5.8	0.583	0.4
43	11.59	12.72	147.4	956.9	0.0	0.000	0.0