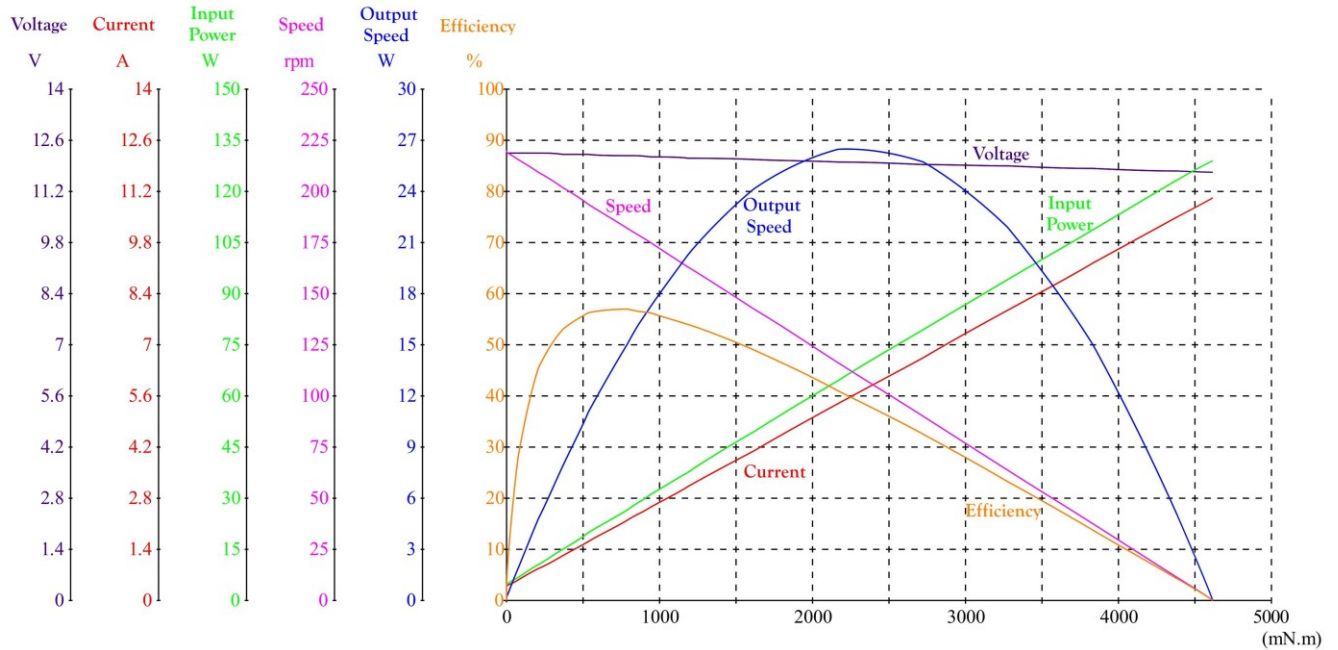


## Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG36555126000-26.9K
Number	



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
No Load	12.25	0.355	4.356	0.0	219.4	0.000	0.0
Max Efficiency Point	12.17	2.029	24.69	725.1	184.9	14.04	56.9
Max Output Power Point	11.98	5.796	69.41	2357.0	107.4	26.51	38.2
Maximum Torque Point	11.71	11.02	129.0	4619.1	0.0	0.000	0.0
End Point	11.71	11.02	129.0	4619.1	0.0	0.000	0.0

SN	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
1	12.25	0.355	4.356	0.0	219.4	0.000	0.0
2	12.25	0.367	4.492	4.8	219.1	0.110	2.5
3	12.25	0.372	4.562	7.3	219.0	0.167	3.7
4	12.25	0.393	4.811	16.1	218.6	0.368	7.7
5	12.25	0.431	5.282	32.8	217.8	0.748	14.2
6	12.25	0.490	5.999	58.2	216.6	1.320	22.0
7	12.24	0.547	6.701	83.1	215.4	1.874	28.0
8	12.24	0.635	7.772	121.1	213.6	2.708	34.8
9	12.23	0.740	9.048	166.4	211.4	3.684	40.7
10	12.23	0.855	10.46	216.6	209.1	4.741	45.3
11	12.22	0.979	11.97	270.2	206.5	5.842	48.8
12	12.22	1.077	13.16	312.8	204.5	6.697	50.9
13	12.21	1.212	14.79	370.9	201.7	7.834	53.0
14	12.20	1.349	16.47	430.6	198.9	8.967	54.5
15	12.20	1.494	18.22	493.4	195.9	10.12	55.5
16	12.19	1.604	19.55	540.8	193.7	10.97	56.1
17	12.18	1.759	21.43	608.0	190.5	12.13	56.6
18	12.17	2.029	24.69	725.1	184.9	14.04	56.9
19	12.16	2.183	26.55	791.8	181.8	15.07	56.8
20	12.15	2.351	28.57	864.7	178.3	16.14	56.5
21	12.15	2.376	28.87	875.5	177.8	16.30	56.4
22	12.14	2.534	30.77	943.8	174.5	17.25	56.1
23	12.13	2.704	32.81	1017.5	171.0	18.22	55.5
24	12.12	2.973	36.03	1134.0	165.5	19.65	54.5
25	12.11	3.095	37.49	1186.8	163.0	20.25	54.0
26	12.11	3.236	39.18	1247.9	160.1	20.92	53.4
27	12.08	3.663	44.26	1432.8	151.3	22.70	51.3
28	12.06	4.089	49.33	1617.6	142.5	24.14	48.9
29	12.04	4.516	54.38	1802.5	133.8	25.24	46.4
30	12.02	4.943	59.41	1987.3	125.0	26.00	43.8
31	12.00	5.369	64.42	2172.2	116.2	26.43	41.0
32	11.98	5.796	69.41	2357.0	107.4	26.51	38.2
33	11.95	6.223	74.38	2541.9	98.6	26.25	35.3
34	11.93	6.649	79.34	2726.8	89.9	25.66	32.3
35	11.91	7.076	84.27	2911.6	81.1	24.72	29.3
36	11.89	7.503	89.19	3096.5	72.3	23.44	26.3
37	11.87	7.930	94.09	3281.3	63.5	21.83	23.2
38	11.84	8.356	98.97	3466.2	54.8	19.87	20.1
39	11.82	8.783	103.8	3651.1	46.0	17.57	16.9
40	11.80	9.210	108.7	3835.9	37.2	14.94	13.7
41	11.78	9.636	113.5	4020.8	28.4	11.96	10.5
42	11.76	10.06	118.3	4205.6	19.6	8.647	7.3
43	11.73	10.49	123.1	4390.5	10.9	4.991	4.1

44	11.71	10.92	127.9	4575.3	2.1	0.996	0.8
45	11.71	11.02	129.0	4619.1	0.0	0.000	0.0