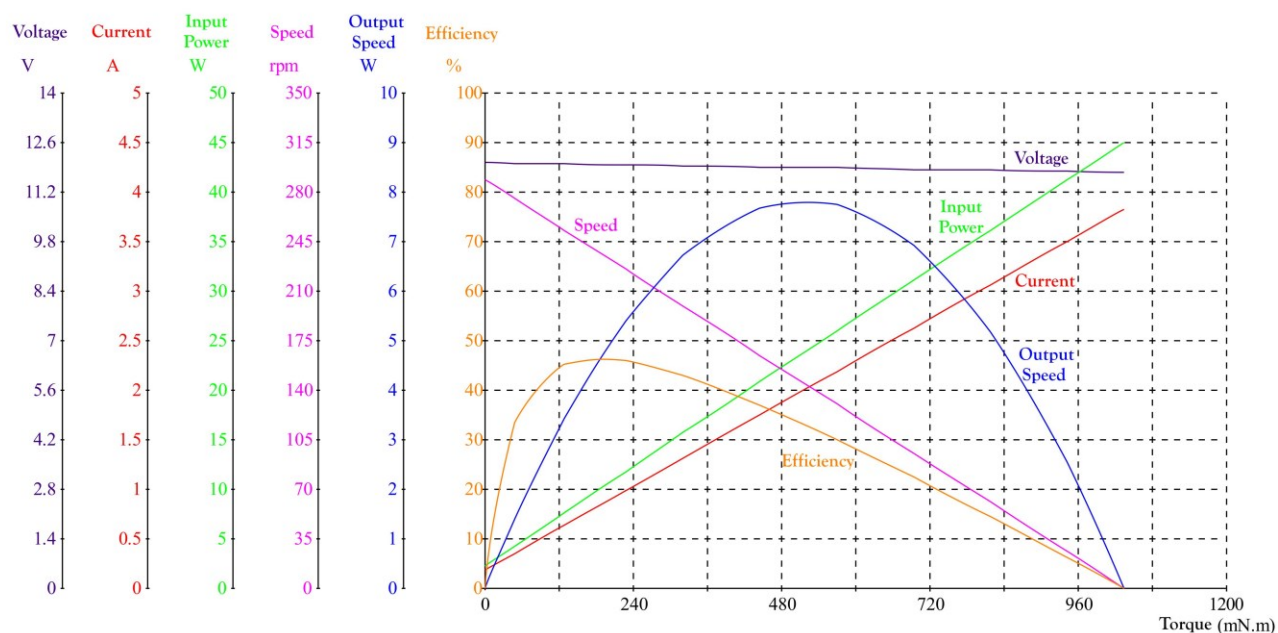


## Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG28395126000-21.5K
Number	047



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
No Load	12.01	0.178	2.133	0.0	288.7	0.000	0.0
Max Efficiency Point	11.96	0.837	10.01	187.2	236.5	4.635	46.3
Max Output Power Point	11.88	2.039	24.22	528.7	141.2	7.818	32.3
Maximum Torque Point	11.75	3.822	44.90	1035.1	0.0	0.000	0.0
End Point	11.75	3.822	44.90	1035.1	0.0	0.000	0.0

SN.	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
1	12.01	0.178	2.133	0.0	288.7	0.000	0.0
2	12.01	0.198	2.378	5.8	287.1	0.174	7.3
3	12.01	0.242	2.902	18.2	283.6	0.540	18.6
4	12.00	0.348	4.176	48.4	275.2	1.395	33.4
5	11.99	0.456	5.465	79.0	266.7	2.206	40.4
6	11.98	0.602	7.207	120.4	255.1	3.216	44.6
7	11.98	0.633	7.581	129.3	252.6	3.420	45.1
8	11.97	0.779	9.319	170.7	241.1	4.309	46.2
9	11.96	0.837	10.01	187.2	236.5	4.635	46.3
10	11.95	0.983	11.75	228.6	224.9	5.384	45.8

11	11.95	1.061	12.67	250.8	218.7	5.744	45.3
12	11.94	1.206	14.40	292.2	207.2	6.339	44.0
13	11.93	1.310	15.63	321.6	199.0	6.701	42.9
14	11.92	1.456	17.35	363.0	187.4	7.125	41.1
15	11.91	1.602	19.07	404.4	175.9	7.448	39.0
16	11.90	1.748	20.79	445.9	164.3	7.672	36.9
17	11.89	1.893	22.51	487.3	152.8	7.795	34.6
18	11.88	2.039	24.22	528.7	141.2	7.818	32.3
19	11.87	2.185	25.93	570.1	129.7	7.741	29.9
20	11.86	2.331	27.64	611.6	118.1	7.564	27.4
21	11.85	2.477	29.34	653.0	106.6	7.286	24.8
22	11.83	2.623	31.04	694.4	95.0	6.908	22.3
23	11.82	2.769	32.74	735.8	83.5	6.430	19.6
24	11.81	2.914	34.43	777.3	71.9	5.852	17.0
25	11.80	3.060	36.12	818.7	60.4	5.173	14.3
26	11.79	3.206	37.81	860.1	48.8	4.395	11.6
27	11.78	3.352	39.49	901.5	37.2	3.516	8.9
28	11.77	3.498	41.17	943.0	25.7	2.537	6.2
29	11.76	3.644	42.85	984.4	14.1	1.457	3.4
30	11.75	3.790	44.53	1025.8	2.6	0.278	0.6
31	11.75	3.822	44.90	1035.1	0.0	0.000	0.0