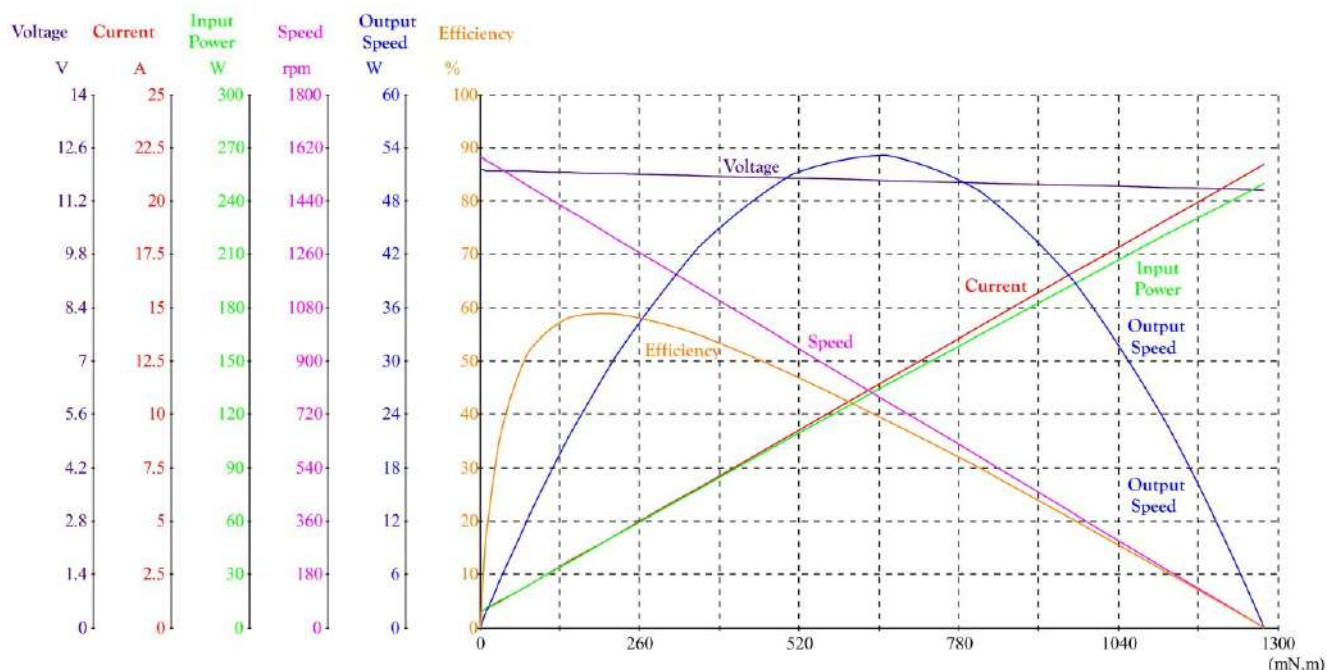


## Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG45775126000-3.7K
Number	



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
No Load	12.01	0.691	8.301	0.0	1590.3	0.000	0.0
Max Efficiency Point	11.93	3.882	46.32	193.6	1349.3	27.35	59.0
Max Output Power Point	11.75	11.60	136.2	661.7	766.4	53.10	39.0
Maximum Torque Point	11.50	21.74	250.0	1277.2	0.0	0.000	0.0
End Point	11.50	21.74	250.0	1277.2	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	0.691	8.301	0.0	1590.3	0.000	0.0
2	12.01	0.805	9.665	6.9	1581.7	1.143	11.8
3	12.01	0.807	9.684	7.0	1581.6	1.159	12.0
4	12.00	0.848	10.18	9.5	1578.5	1.570	15.4
5	12.00	0.906	10.87	13.0	1574.1	2.143	19.7
6	12.00	1.016	12.19	19.7	1565.8	3.230	26.5
7	12.00	1.186	14.22	30.0	1553.0	4.878	34.3
8	11.99	1.390	16.67	42.4	1537.5	6.826	40.9
9	11.98	1.660	19.90	58.8	1517.1	9.340	46.9

10	11.98	1.962	23.50	77.1	1494.3	12.06	51.3
11	11.97	2.297	27.49	97.4	1469.1	14.98	54.5
12	11.96	2.686	32.12	121.0	1439.7	18.24	56.8
13	11.95	3.109	37.15	146.7	1407.7	21.62	58.2
14	11.94	3.447	41.16	167.2	1382.1	24.20	58.8
15	11.93	3.882	46.32	193.6	1349.3	27.35	59.0
16	11.92	4.337	51.70	221.2	1314.9	30.45	58.9
17	11.91	4.858	57.84	252.8	1275.6	33.76	58.4
18	11.89	5.700	67.76	303.9	1211.9	38.56	56.9
19	11.87	6.543	77.64	355.0	1148.3	42.68	55.0
20	11.85	7.385	87.49	406.1	1084.6	46.12	52.7
21	11.83	8.228	97.30	457.3	1021.0	48.88	50.2
22	11.81	9.070	107.1	508.4	957.3	50.96	47.6
23	11.79	9.912	116.8	559.5	893.7	52.35	44.8
24	11.77	10.75	126.5	610.6	830.0	53.06	41.9
25	11.75	11.60	136.2	661.7	766.4	53.10	39.0
26	11.72	12.44	145.9	712.8	702.7	52.45	36.0
27	11.70	13.28	155.5	763.9	639.1	51.12	32.9
28	11.68	14.12	165.0	815.1	575.5	49.11	29.8
29	11.66	14.97	174.6	866.2	511.8	46.42	26.6
30	11.64	15.81	184.1	917.3	448.2	43.04	23.4
31	11.62	16.65	193.5	968.4	384.5	38.99	20.1
32	11.60	17.49	203.0	1019.5	320.9	34.25	16.9
33	11.58	18.34	212.4	1070.6	257.2	28.83	13.6
34	11.56	19.18	221.8	1121.7	193.6	22.74	10.3
35	11.54	20.02	231.1	1172.9	129.9	15.96	6.9
36	11.52	20.86	240.4	1224.0	66.3	8.496	3.5
37	11.50	21.71	249.7	1275.1	2.7	0.354	0.1
38	11.50	21.74	250.0	1277.2	0.0	0.000	0.0