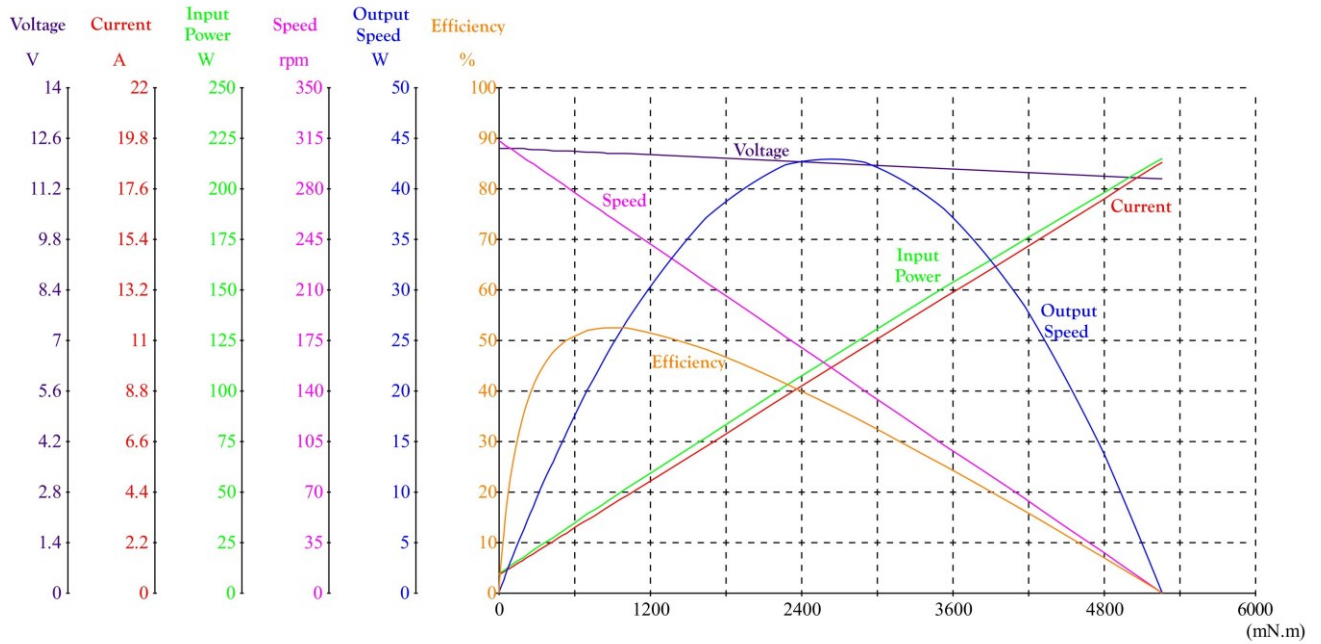


## Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG45775126000-19.2K
Number	



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency	Time
	V	A	W	mN.m	rpm	W	%	S
No Load	12.32	0.755	9.302	0.0	313.0	0.000	0.0	0.000
Max Efficiency Point	12.16	4.018	48.88	955.4	256.1	25.62	52.4	26.36
Max Output Power Point	11.88	9.969	118.4	2697.7	152.4	43.06	36.4	27.38
Maximum Torque Point	11.47	18.72	214.7	5260.0	0.0	0.000	0.0	0.000
End Point	11.47	18.72	214.7	5260.0	0.0	0.000	0.0	0.000

SN	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency	Time
	V	A	W	mN.m	rpm	W	%	S
1	12.32	0.755	9.302	0.0	313.0	0.000	0.0	0.000
2	12.32	0.780	9.612	7.4	312.5	0.242	2.5	0.000
3	12.31	0.834	10.27	23.0	311.6	0.750	7.3	2.028
4	12.31	0.896	11.03	41.2	310.5	1.339	12.1	3.042
5	12.31	0.949	11.69	56.9	309.6	1.844	15.8	4.056
6	12.31	1.010	12.43	74.6	308.5	2.410	19.4	5.070
7	12.30	1.079	13.28	94.9	307.3	3.053	23.0	6.084
8	12.30	1.137	13.99	111.8	306.3	3.585	25.6	7.098
9	12.30	1.226	15.07	137.8	304.8	4.397	29.2	8.112
10	12.29	1.406	17.28	190.6	301.6	6.019	34.8	9.126
11	12.29	1.445	17.75	201.9	300.9	6.362	35.8	10.14
12	12.28	1.561	19.16	235.8	298.9	7.380	38.5	11.15
13	12.27	1.689	20.73	273.3	296.7	8.490	41.0	12.17
14	12.27	1.840	22.57	317.5	294.1	9.775	43.3	13.18
15	12.26	2.083	25.53	388.9	289.8	11.80	46.2	14.20
16	12.25	2.232	27.34	432.4	287.2	13.00	47.6	15.21
17	12.24	2.376	29.09	474.6	284.7	14.15	48.6	16.22
18	12.23	2.532	30.98	520.3	282.0	15.36	49.6	17.24
19	12.23	2.577	31.52	533.3	281.2	15.70	49.8	18.25
20	12.22	2.864	35.00	617.5	276.2	17.86	51.0	19.27
21	12.21	3.035	37.05	667.4	273.2	19.09	51.5	20.28
22	12.20	3.178	38.79	709.5	270.7	20.11	51.9	21.29
23	12.19	3.355	40.91	761.2	267.7	21.33	52.1	22.31
24	12.19	3.535	43.08	813.9	264.5	22.54	52.3	23.32
25	12.18	3.709	45.17	864.8	261.5	23.68	52.4	24.34
26	12.17	3.881	47.23	915.2	258.5	24.77	52.4	25.35
27	12.16	4.018	48.88	955.4	256.1	25.62	52.4	26.36
28	12.15	4.217	51.26	1013.7	252.6	26.81	52.3	27.38
29	12.12	4.936	59.83	1224.2	240.1	30.78	51.4	27.38
30	12.09	5.655	68.35	1434.7	227.6	34.19	50.0	27.38
31	12.05	6.374	76.82	1645.2	215.1	37.05	48.2	27.38
32	12.02	7.093	85.25	1855.7	202.5	39.35	46.2	27.38
33	11.98	7.812	93.62	2066.2	190.0	41.11	43.9	27.38
34	11.95	8.531	101.9	2276.7	177.5	42.31	41.5	27.38
35	11.92	9.250	110.2	2487.2	165.0	42.96	39.0	27.38
36	11.88	9.969	118.4	2697.7	152.4	43.06	36.4	27.38
37	11.85	10.69	126.6	2908.2	139.9	42.60	33.6	27.38
38	11.81	11.41	134.8	3118.7	127.4	41.60	30.9	27.38
39	11.78	12.13	142.8	3329.2	114.9	40.04	28.0	27.38
40	11.75	12.85	150.9	3539.7	102.3	37.93	25.1	27.38
41	11.71	13.56	158.9	3750.2	89.8	35.27	22.2	27.38
42	11.68	14.28	166.8	3960.7	77.3	32.06	19.2	27.38
43	11.64	15.00	174.7	4171.3	64.8	28.29	16.2	27.38

44	11.61	15.72	182.5	4381.8	52.3	23.97	13.1	27.38
45	11.58	16.44	190.3	4592.3	39.7	19.10	10.0	27.38
46	11.54	17.16	198.0	4802.8	27.2	13.68	6.9	27.38
47	11.51	17.88	205.7	5013.3	14.7	7.704	3.7	27.38
48	11.47	18.60	213.4	5223.8	2.2	1.177	0.6	27.38
49	11.47	18.72	214.7	5260.0	0.0	0.000	0.0	0.000