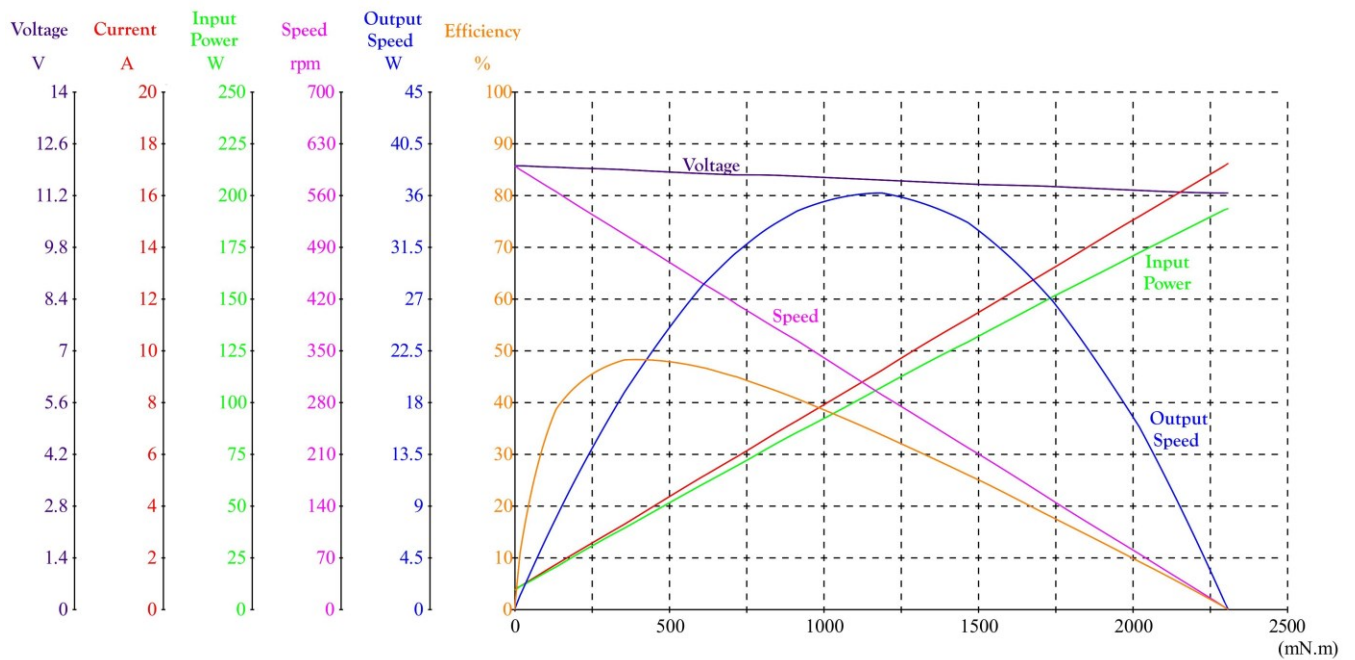


## Orange HD Planetary Gear DC Motor Test Report

Voltage	12V
Type	PG45775126000-10.2K
Number	



Specifications	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
No Load	12.00	0.762	9.144	0.0	599.2	0.000	0.0
Max Efficiency Point	11.85	3.823	45.32	429.4	487.8	21.93	48.4
Max Output Power Point	11.61	9.244	107.3	1190.0	290.4	36.18	33.7
Maximum Torque Point	11.24	17.22	193.5	2308.7	0.0	0.000	0.0
End Point	11.24	17.22	193.5	2308.7	0.0	0.000	0.0

SN	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
	V	A	W	mN.m	rpm	W	%
1	12.00	0.762	9.144	0.0	599.2	0.000	0.0
2	11.99	0.769	9.229	1.0	599.0	0.063	0.7
3	11.99	0.772	9.263	1.4	598.9	0.088	0.9
4	11.99	0.895	10.73	18.6	594.4	1.158	10.8
5	11.98	1.093	13.09	46.4	587.2	2.853	21.8
6	11.97	1.379	16.50	86.5	576.8	5.224	31.7
7	11.95	1.720	20.55	134.3	564.4	7.936	38.6

8	11.93	2.182	26.03	199.2	547.5	11.42	43.9
9	11.91	2.684	31.96	269.6	529.3	14.94	46.7
10	11.88	3.290	39.08	354.6	507.2	18.83	48.2
11	11.85	3.823	45.32	429.4	487.8	21.93	48.4
12	11.82	4.469	52.84	520.0	464.3	25.28	47.8
13	11.79	5.127	60.47	612.3	440.3	28.23	46.7
14	11.79	5.166	60.92	617.8	438.9	28.39	46.6
15	11.76	5.824	68.50	710.1	414.9	30.85	45.0
16	11.76	5.882	69.17	718.3	412.8	31.05	44.9
17	11.73	6.540	76.72	810.6	388.8	33.00	43.0
18	11.73	6.610	77.51	820.4	386.3	33.18	42.8
19	11.70	7.268	85.01	912.8	362.3	34.63	40.7
20	11.67	7.927	92.47	1005.2	338.3	35.61	38.5
21	11.64	8.585	99.90	1097.6	314.4	36.12	36.2
22	11.61	9.244	107.3	1190.0	290.4	36.18	33.7
23	11.58	9.902	114.6	1282.4	266.4	35.77	31.2
24	11.55	10.56	121.9	1374.8	242.4	34.89	28.6
25	11.51	11.22	129.2	1467.2	218.4	33.55	26.0
26	11.48	11.88	136.4	1559.5	194.4	31.75	23.3
27	11.45	12.54	143.6	1651.9	170.5	29.48	20.5
28	11.42	13.20	150.7	1744.3	146.5	26.75	17.7
29	11.39	13.85	157.8	1836.7	122.5	23.56	14.9
30	11.36	14.51	164.9	1929.1	98.5	19.90	12.1
31	11.33	15.17	171.9	2021.5	74.5	15.78	9.2
32	11.30	15.83	178.9	2113.9	50.6	11.19	6.3
33	11.27	16.49	185.9	2206.3	26.6	6.138	3.3
34	11.24	17.15	192.8	2298.7	2.6	0.624	0.3
35	11.24	17.22	193.5	2308.7	0.0	0.000	0.0