

Maverick Motor Test Report

Report Model: JGB37-555-12V100RPM

12V100RPM

Prototype number: 100

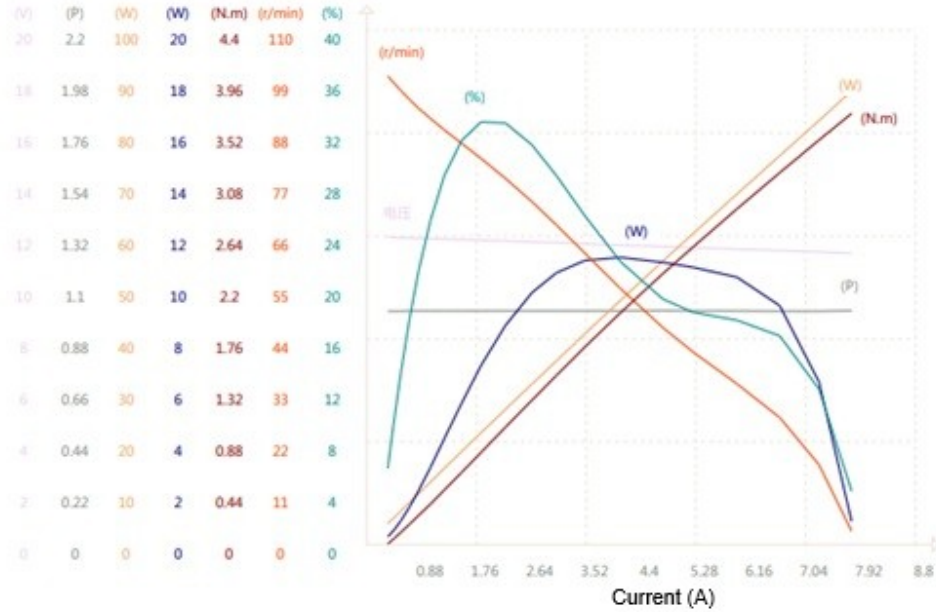
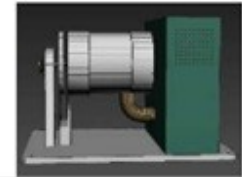
Ambient temperature: 26°C

(10N.m)

Motor direction: CW

Report #: 20241104FA0002

Test Voltage: 11.95V



number	(V)	(A)	Power f	Input (W)	Output (W)	Speed (r/min)	Torque (N.m)	Effic (%)
1	11.96	0.341	0.997	4.07	0.25	98.6	0.0243	6.14
2	11.95	0.349	0.999	4.17	0.25	98.8	0.0241	5.99
3	11.95	0.384	0.998	4.58	0.25	99.1	0.0241	5.45
4	11.95	0.447	0.997	5.33	0.39	99.1	0.0383	7.31
5	11.94	0.544	0.999	6.49	0.93	98.6	0.0904	14.17
6	11.93	0.689	1	8.22	1.64	97.8	0.1609	19.82
7	11.91	0.836	0.999	9.95	2.41	92.1	0.2506	24.22
8	11.9	1.019	1	12.13	3.3	92	0.343	27.2
9	11.88	1.247	1	14.82	4.44	91.3	0.4647	29.95
10	11.86	1.523	0.999	18.06	5.48	84	0.6235	29.84
11	11.83	1.837	0.999	21.73	6.94	83.4	0.7956	31.52
12	11.8	2.227	1	26.29	7.82	74.1	1.0078	29.13
13	11.77	2.654	1	31.24	9.54	73.5	1.2399	30.31
14	11.74	3.045	0.999	35.74	10.01	66	1.4485	27.7
15	11.7	3.503	1	40.99	11.51	65.2	1.686	27.98
16	11.65	4.074	1	47.47	11.86	57.4	1.9739	24.89
17	11.59	4.754	1	55.13	11.58	47.8	2.314	20.98
18	11.55	5.234	1	60.5	10.65	39.9	2.5503	17.5
19	11.49	5.938	1	68.25	9.64	31.9	2.8863	14.12
20	11.43	6.628	0.996	75.46	7.97	23.9	3.188	10.57
21	11.38	7.256	1	82.58	8.63	24	3.4368	22.51
22	11.33	7.778	1	88.17	0	0	3.6988	0

Features	Voltage	Current	Power f	Input (W)	Output (W)	speed (r/min)	Torque (N.m)	Efficiency (%)
No-load point	11.96	0.341	0.997	4.07	0.25	98.6	0.0243	6.14
Max Efficiency	11.83	1.837	0.999	21.73	6.94	83.4	0.7956	31.52
Max Power Point	11.65	4.074	1	47.47	11.86	57.4	1.9739	24.89
Max torque point	11.33	7.778	1	88.17	0	0	3.6988	0
End point	11.33	7.778	1	88.17	0	0	3.6988	0