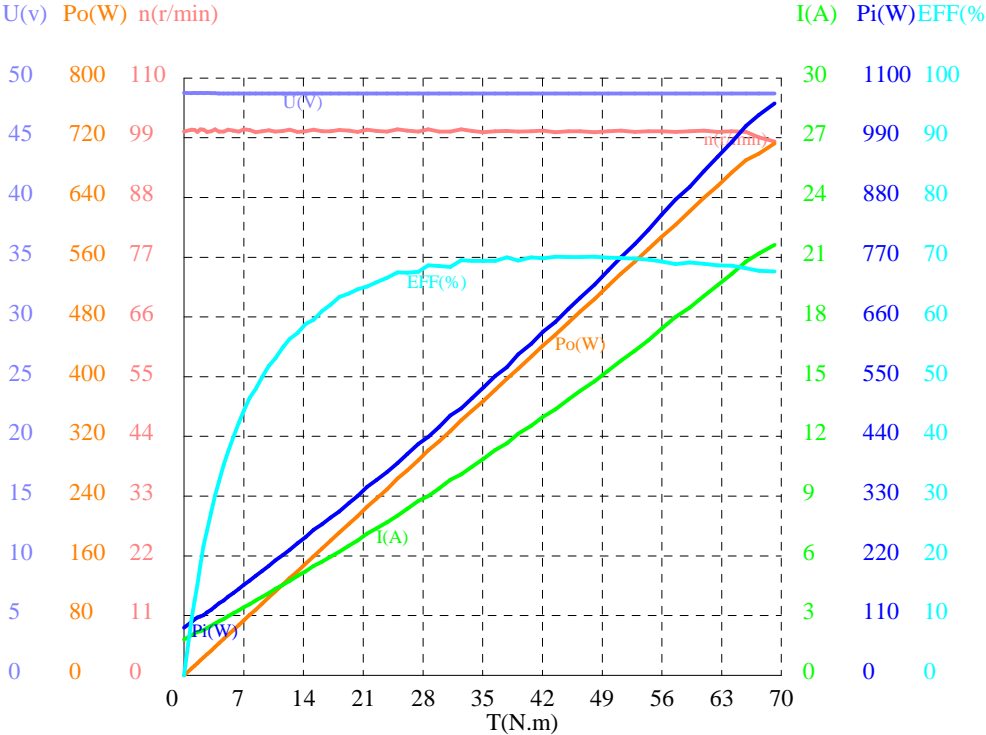


测试报告

试品名称：直流无刷电机
试品型号：BLDC-500W
环境温度：25.7℃ - 26.6℃
报告编号：20230314162701

生产厂家：佛山斗索科技有限公司
其它信息：。
使用仪器：磁粉测功机MPD-1000KB/F
电源参数：49V

样机编号：1#
电机转向：顺时针（CW）
测试人员：莫极勤
审核人员：杨勇



特征点	n(r/min)	T(N.m)	Po(W)	U(V)	I(A)	Pi(W)	EFF
空载点	100.16	0.0000	0.0000	48.754	1.7970	87.613	0.00%
最大效率	100.07	43.522	456.03	48.707	13.359	650.67	70.09%
最大输出	98.321	69.207	712.52	48.708	21.623	1053.2	67.65%
最大转矩	98.321	69.207	712.52	48.708	21.623	1053.2	67.65%
堵转点							
额定点1							
额定点2							
额定点3							
额定点4							
额定点5							

NO.	n(r/min)	T(N.m)	Po(W)	U(V)	I(A)	Pi(W)	EFF
1	100.16	0.0000	0.0000	48.754	1.7970	87.613	0.00%
2	100.44	1.2234	12.866	48.750	2.1091	102.82	12.51%
3	100.56	1.8990	19.997	48.749	2.2268	108.55	18.42%
4	100.08	2.6978	28.273	48.748	2.3876	116.39	24.29%
5	100.56	3.6340	38.263	48.746	2.6068	127.07	30.11%
6	100.15	4.6424	48.683	48.712	2.8347	138.08	35.26%
7	100.33	5.7559	60.472	48.711	3.1145	151.71	39.86%
8	100.59	7.0196	73.935	48.710	3.4239	166.78	44.33%
9	100.06	8.3926	87.934	48.711	3.7624	183.27	47.98%
10	100.38	9.9333	104.41	48.710	4.1360	201.47	51.83%
11	100.26	11.586	121.64	48.711	4.5459	221.44	54.93%
12	100.11	13.316	139.58	48.711	4.9983	243.47	57.33%
13	100.50	15.180	159.74	48.711	5.5079	268.30	59.54%
14	100.24	17.186	180.39	48.711	5.9656	290.59	62.08%
15	100.29	19.299	202.68	48.712	6.5072	316.98	63.94%
16	100.52	21.464	225.91	48.713	7.1218	346.92	65.12%
17	100.16	23.764	249.24	48.713	7.6850	374.36	66.58%
18	100.30	26.143	274.57	48.713	8.3603	407.25	67.42%
19	100.55	28.610	301.25	48.713	9.0088	438.84	68.65%
20	100.13	31.204	327.16	48.711	9.8205	478.37	68.39%
21	100.28	33.746	354.37	48.713	10.484	510.72	69.39%
22	100.22	36.460	382.64	48.712	11.319	551.38	69.40%
23	100.14	39.155	410.56	48.712	12.134	591.09	69.46%
24	100.32	42.060	441.83	48.712	12.993	632.89	69.81%
25	100.21	45.034	472.57	48.711	13.855	674.86	70.02%
26	100.06	48.126	504.22	48.711	14.771	719.53	70.08%
27	100.33	51.209	538.00	48.713	15.807	769.98	69.87%
28	100.21	54.428	571.12	48.712	16.840	820.29	69.62%
29	100.09	57.615	603.83	48.712	17.996	876.63	68.88%
30	100.29	60.916	639.73	48.712	19.058	928.33	68.91%
31	100.23	64.187	673.63	48.712	20.158	981.91	68.60%
32	99.088	67.356	698.87	48.712	21.184	1031.9	67.72%
33	98.321	69.207	712.52	48.708	21.623	1053.2	67.65%

备注	2023.3.14号装（1#电机1:30）
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