



LOAD PERFORMANCE PARAMETERS

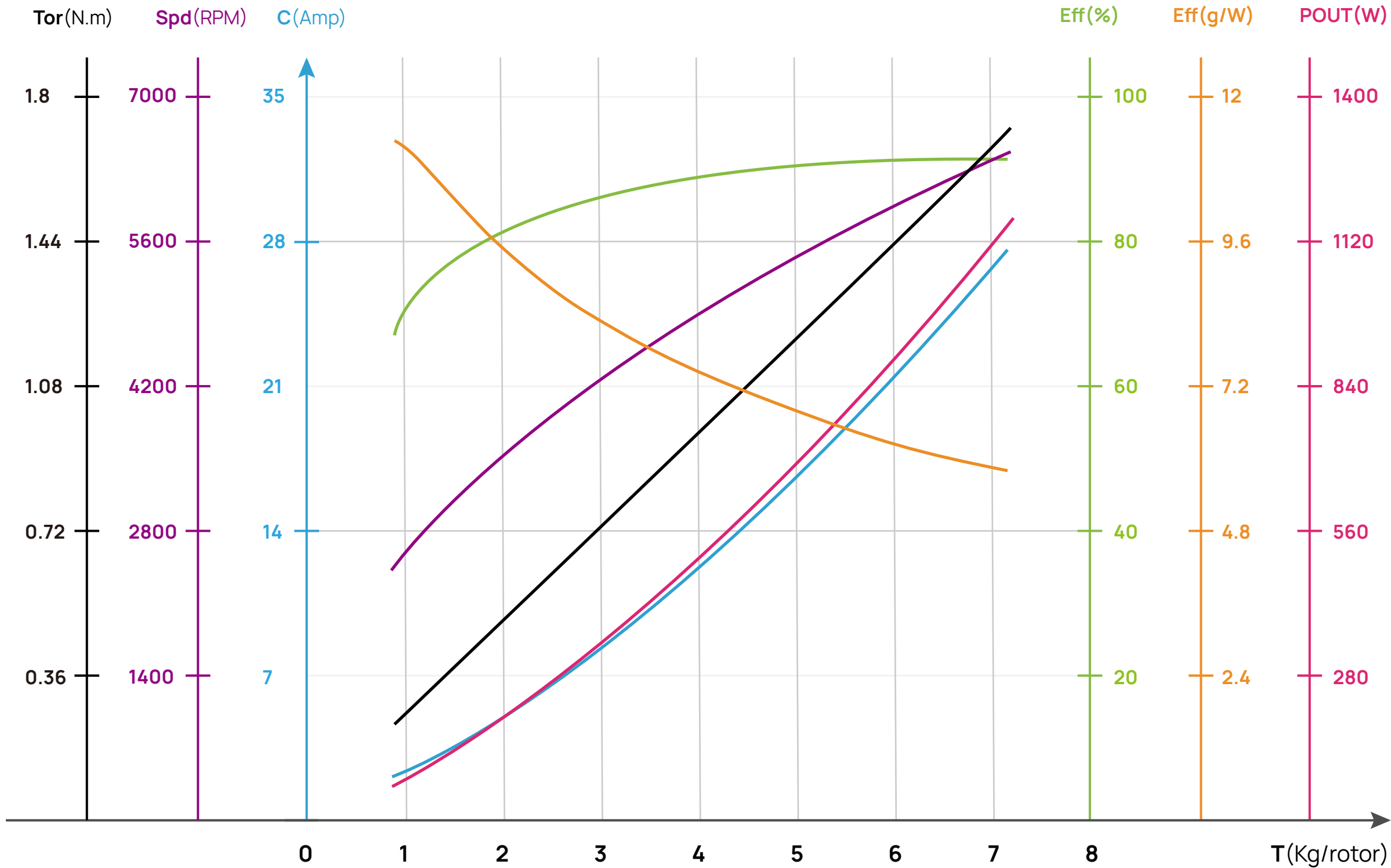
负载性能参数

以下数据为好盈实验室于室温 25°C、海平面高度，变化油门输入调节测得，电机温度为65%油门运行10分钟数据，仅供参考。

The below data was measured by HOBBYWING Laboratory at room temperature 25°C, at sea level, with varying throttle input.

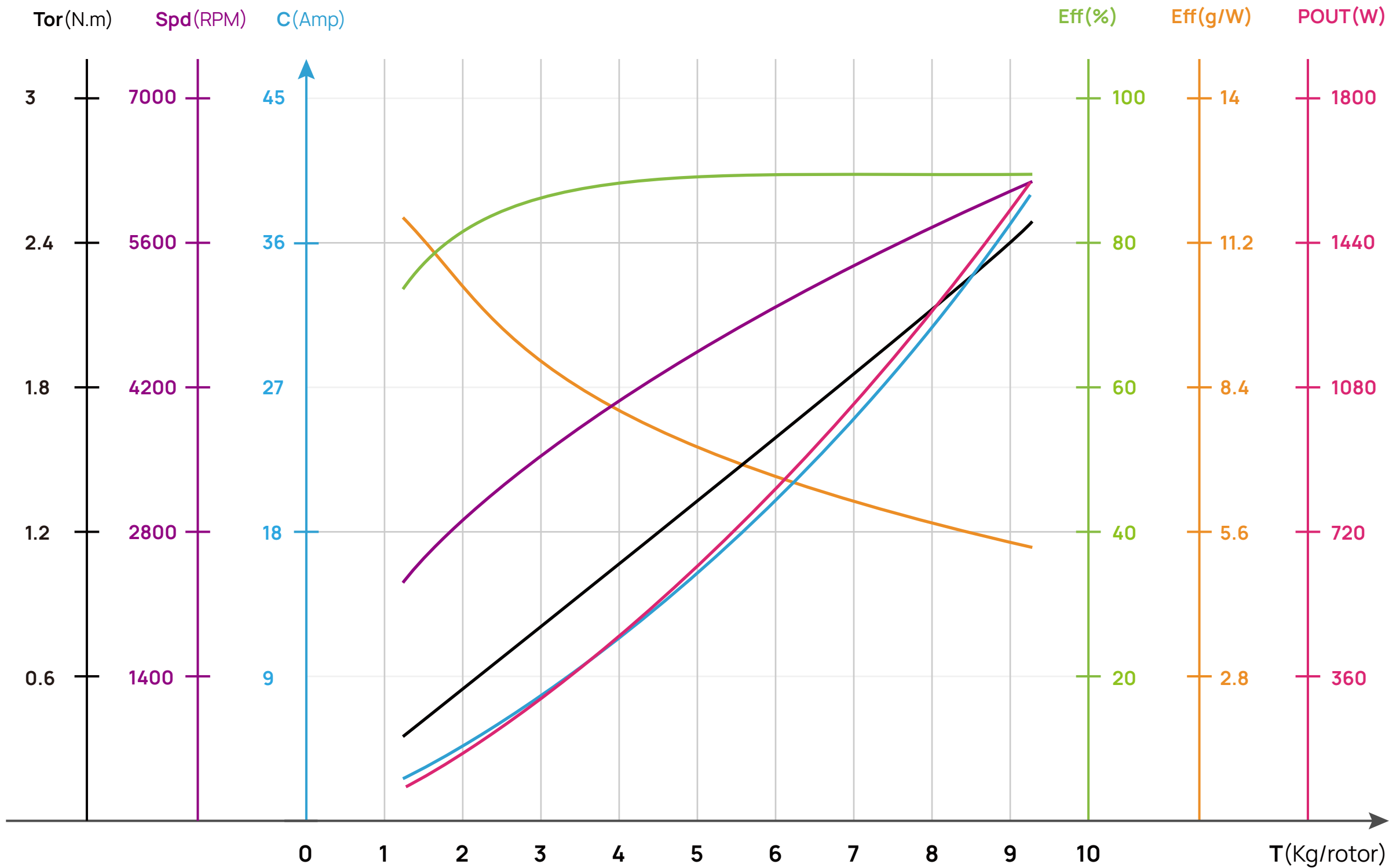
The motor temperature is measured after running for 10 minutes at 65% throttle, for reference only.

160KV+MSC 21×6.3



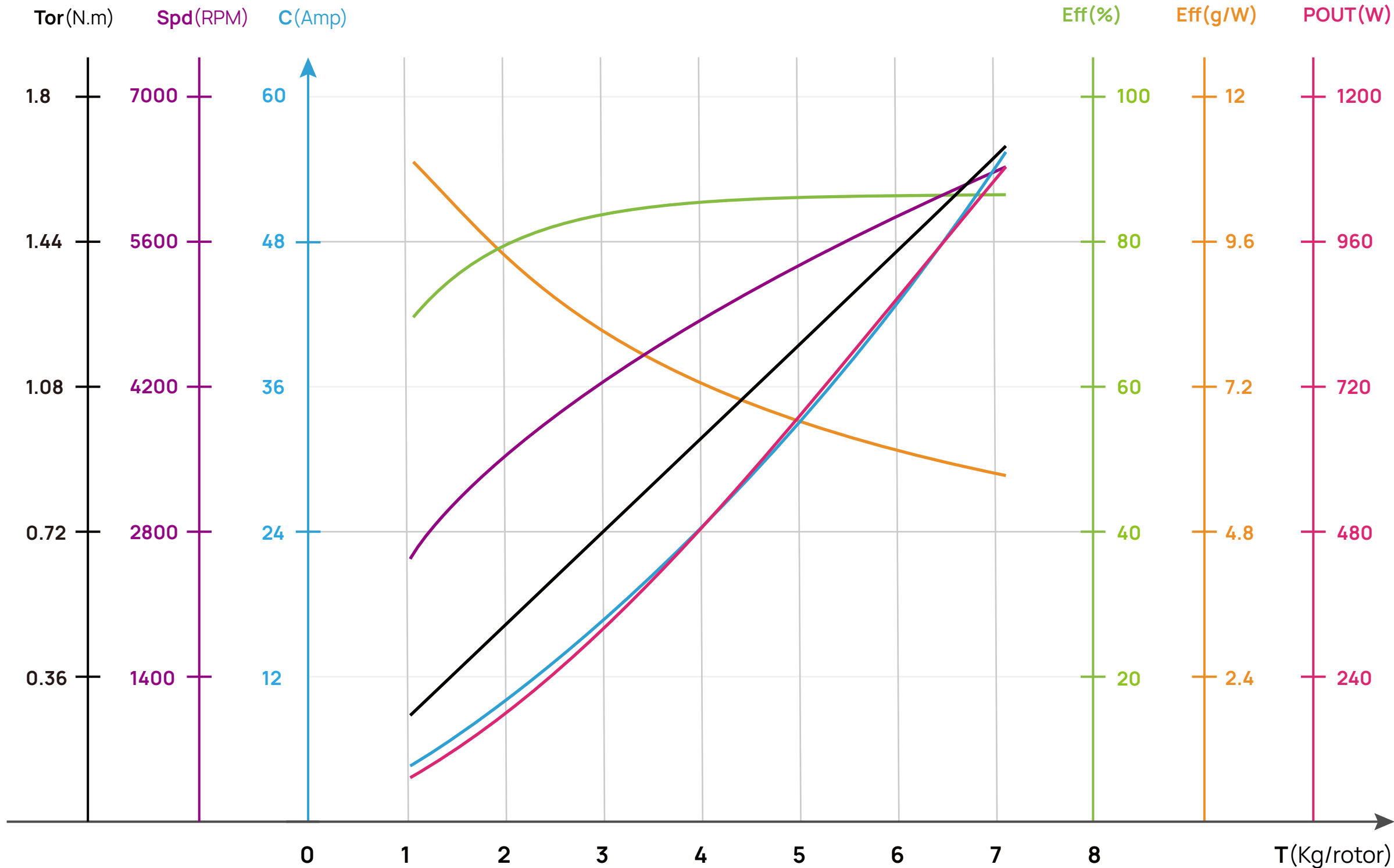
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 力效	Torque(N·m) 扭矩	Power Output(W) 输出功率	Temperature(°C) 电机机壳温度
46V (12S LiPo)	MSC 21×6.3	33%	945	1.8	84.7	2388	11.2	0.23	56.7	47.8℃
		35%	1036	2.0	93.6	2495	11.1	0.25	64.7	
		37%	1140	2.3	104.5	2614	10.9	0.27	74.4	
		39%	1257	2.5	117.4	2743	10.7	0.30	85.9	
		42%	1453	3.0	140.2	2945	10.4	0.35	106.5	
		45%	1667	3.6	166.9	3153	10.0	0.40	130.8	
		48%	1896	4.3	197.4	3361	9.6	0.45	158.5	
		51%	2136	5.0	231.2	3565	9.2	0.51	189.5	
		54%	2386	5.8	267.9	3764	8.9	0.57	223.3	
		57%	2643	6.7	307.5	3957	8.6	0.63	259.8	
		60%	2906	7.6	349.7	4143	8.3	0.69	298.7	
		63%	3175	8.6	394.4	4325	8.1	0.75	340.1	
		66%	3450	9.6	441.8	4502	7.8	0.81	384.0	
		69%	3730	10.7	492.0	4676	7.6	0.88	430.7	
		72%	4018	11.8	545.4	4848	7.4	0.95	480.4	
		75%	4312	13.1	602.4	5019	7.2	1.02	533.5	
		78%	4616	14.4	663.5	5190	7.0	1.09	590.7	
		81%	4931	15.8	729.2	5361	6.8	1.16	652.4	
		84%	5258	17.4	800.2	5534	6.6	1.24	719.2	
		87%	5598	19.0	877.0	5708	6.4	1.32	791.7	
		90%	5953	20.8	960.0	5882	6.2	1.41	869.9	
		100%	7195	27.4	1262.3	6432	5.7	1.70	1147.0	

160KV+MSC 22×7.8



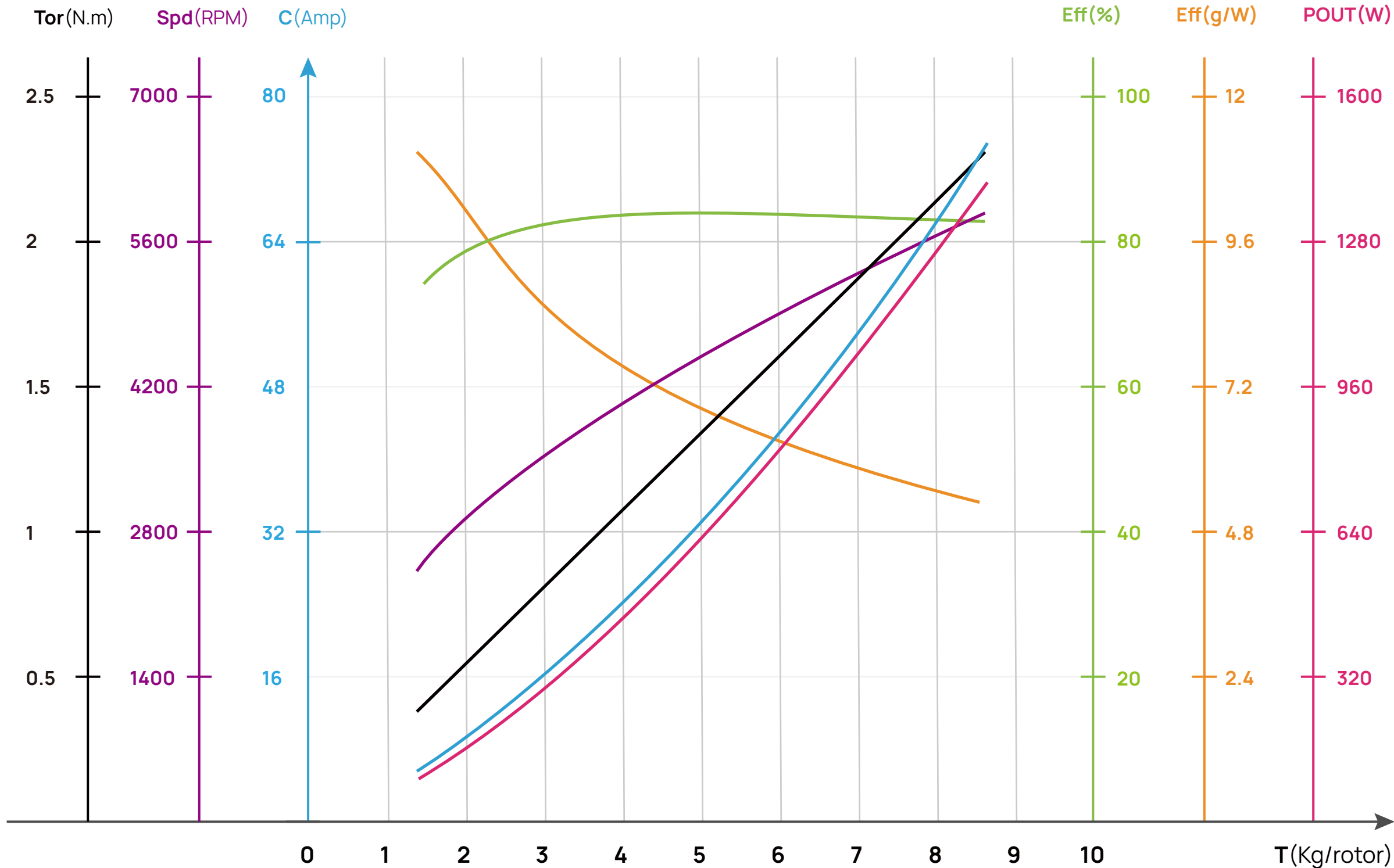
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 力效	Torque(N·m) 扭矩	Power Output(W) 输出功率	Temperature(°C) 电机机壳温度
46V (12S LiPo)	MSC 22×7.8	33%	1244	2.3	107.9	2287	11.5	0.33	79.8	58.4℃
		35%	1370	2.6	121.1	2396	11.3	0.37	91.7	
		37%	1511	3.0	136.9	2515	11.0	0.40	105.9	
		39%	1666	3.4	155.2	2640	10.7	0.44	122.4	
		42%	1923	4.1	187.6	2838	10.3	0.51	151.7	
		45%	2205	4.9	225.8	3042	9.8	0.59	186.4	
		48%	2509	5.9	269.6	3247	9.3	0.67	226.5	
		51%	2832	6.9	318.5	3448	8.9	0.75	271.4	
		54%	3171	8.1	372.2	3643	8.5	0.84	320.7	
		57%	3521	9.3	430.2	3830	8.2	0.93	374.0	
		60%	3881	10.7	492.4	4009	7.9	1.03	430.7	
		63%	4249	12.1	558.4	4179	7.6	1.12	490.6	
		66%	4621	13.6	628.4	4343	7.4	1.22	553.6	
		69%	4997	15.3	702.5	4503	7.1	1.31	619.9	
		72%	5376	17.0	781.0	4660	6.9	1.41	689.7	
		75%	5758	18.8	864.1	4816	6.7	1.51	763.5	
		78%	6143	20.7	952.3	4974	6.5	1.62	842.0	
		81%	6532	22.7	1046.1	5134	6.2	1.72	925.9	
		84%	6927	24.9	1146.1	5298	6.0	1.83	1015.9	
		87%	7331	27.2	1252.9	5465	5.9	1.94	1112.6	
		90%	7748	29.7	1367.2	5636	5.7	2.06	1216.5	
		100%	9215	38.6	1777.3	6130	5.2	2.46	1577.8	

320KV+MSC 21×6.3



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 力效	Torque(N·m) 扭矩	Power Output(W) 输出功率	Temperature(°C) 电机机壳温度
23V (6S LiPo)	MSC 21×6.3	33%	1084	4.3	100.4	2515	10.8	0.26	68.7	52.3℃
		35%	1202	4.9	113.0	2639	10.6	0.29	79.9	
		37%	1333	5.5	127.7	2772	10.4	0.32	93.0	
		39%	1473	6.3	144.5	2910	10.2	0.35	107.6	
		42%	1696	7.5	173.1	3118	9.8	0.41	132.5	
		45%	1930	8.9	205.1	3324	9.4	0.46	160.3	
		48%	2170	10.4	240.0	3525	9.0	0.52	190.6	
		51%	2416	12.0	277.4	3717	8.7	0.57	223.3	
		54%	2666	13.7	317.1	3903	8.4	0.63	258.2	
		57%	2922	15.6	359.3	4083	8.1	0.69	295.5	
		60%	3184	17.5	404.3	4259	7.9	0.75	335.4	
		63%	3455	19.6	452.6	4432	7.6	0.82	378.3	
		66%	3736	21.9	504.6	4603	7.4	0.88	424.6	
		69%	4029	24.3	561.1	4775	7.2	0.95	474.9	
		72%	4334	27.0	622.7	4949	7.0	1.02	529.5	
		75%	4651	29.9	689.7	5123	6.7	1.10	588.7	
		78%	4979	33.0	762.1	5298	6.5	1.18	652.4	
		81%	5316	36.4	839.5	5472	6.3	1.26	719.9	
		84%	5655	39.9	920.3	5642	6.1	1.34	790.0	
		87%	5991	43.5	1002.0	5801	6.0	1.42	860.3	
		90%	6312	46.9	1081.1	5945	5.8	1.49	927.9	
		100%	7070	54.7	1261.0	6230	5.6	1.65	1079.7	

320KV+MSC 22×7.8



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 力效	Torque(N·m) 扭矩	Power Output(W) 输出功率	Temperature(°C) 电机机壳温度
23V (6S LiPo)	MSC 22×7.8	33%	1392	5.5	127.5	2403	10.9	0.37	93.6	69.3℃
		35%	1564	6.4	146.9	2537	10.6	0.42	110.6	
		37%	1745	7.3	169.1	2674	10.3	0.46	129.8	
		39%	1935	8.4	193.9	2813	10.0	0.51	151.2	
		42%	2230	10.2	235.5	3017	9.5	0.59	186.8	
		45%	2533	12.2	281.5	3215	9.0	0.67	226.0	
		48%	2844	14.3	331.1	3405	8.6	0.75	268.4	
		51%	3160	16.6	384.0	3585	8.2	0.84	313.7	
		54%	3481	19.1	440.1	3757	7.9	0.92	361.5	
		57%	3810	21.6	499.5	3921	7.6	1.00	412.1	
		60%	4147	24.4	562.6	4079	7.4	1.09	465.6	
		63%	4494	27.3	630.1	4233	7.1	1.18	522.5	
		66%	4853	30.4	702.7	4385	6.9	1.27	583.2	
		69%	5224	33.8	781.3	4536	6.7	1.37	648.6	
		72%	5608	37.5	866.4	4688	6.5	1.46	719.0	
		75%	6004	41.5	958.5	4841	6.3	1.57	794.9	
		78%	6408	45.8	1057.4	4995	6.1	1.68	876.3	
		81%	6817	50.4	1162.2	5150	5.9	1.78	962.3	
		84%	7223	55.1	1270.5	5302	5.7	1.89	1051.1	
		87%	7618	59.8	1378.8	5445	5.5	2.00	1139.3	
		90%	7988	64.3	1482.0	5573	5.4	2.09	1222.3	
		100%	8801	74.0	1705.3	5814	5.2	2.29	1393.0	