



LOAD PERFORMANCE PARAMETERS

负载性能参数

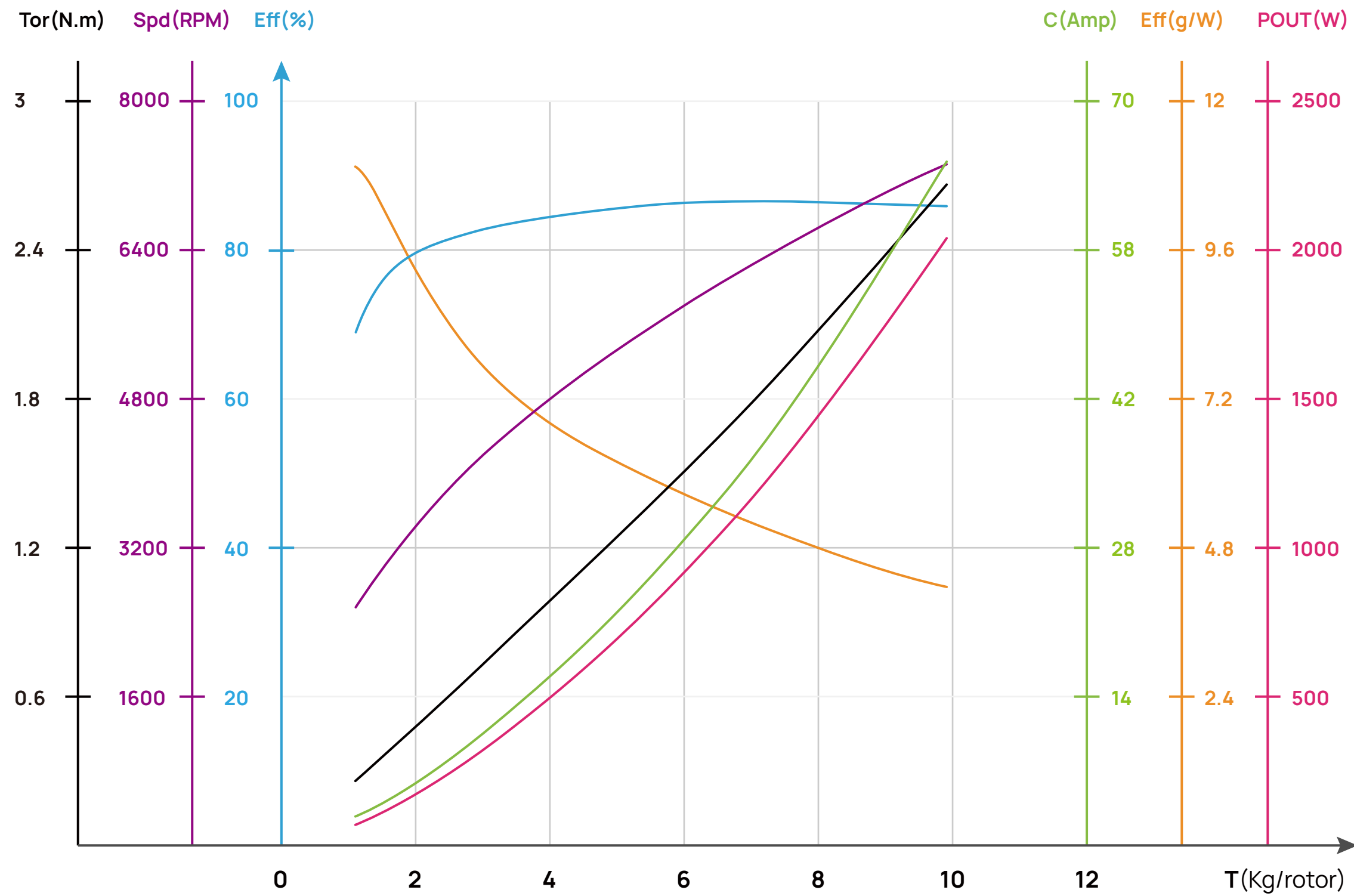
PLATINUM 5220SL 220KV

以下数据为室温 25°C、海平面高度的环境下,变化油门输入调节拉力测得。电机温度为100%油门开放环境下电机运行10分钟机壳温度。在散热不良的环境下,最大功率连续运行时间会变短,应控制全油门运行时间,否则有烧毁电机的危险。

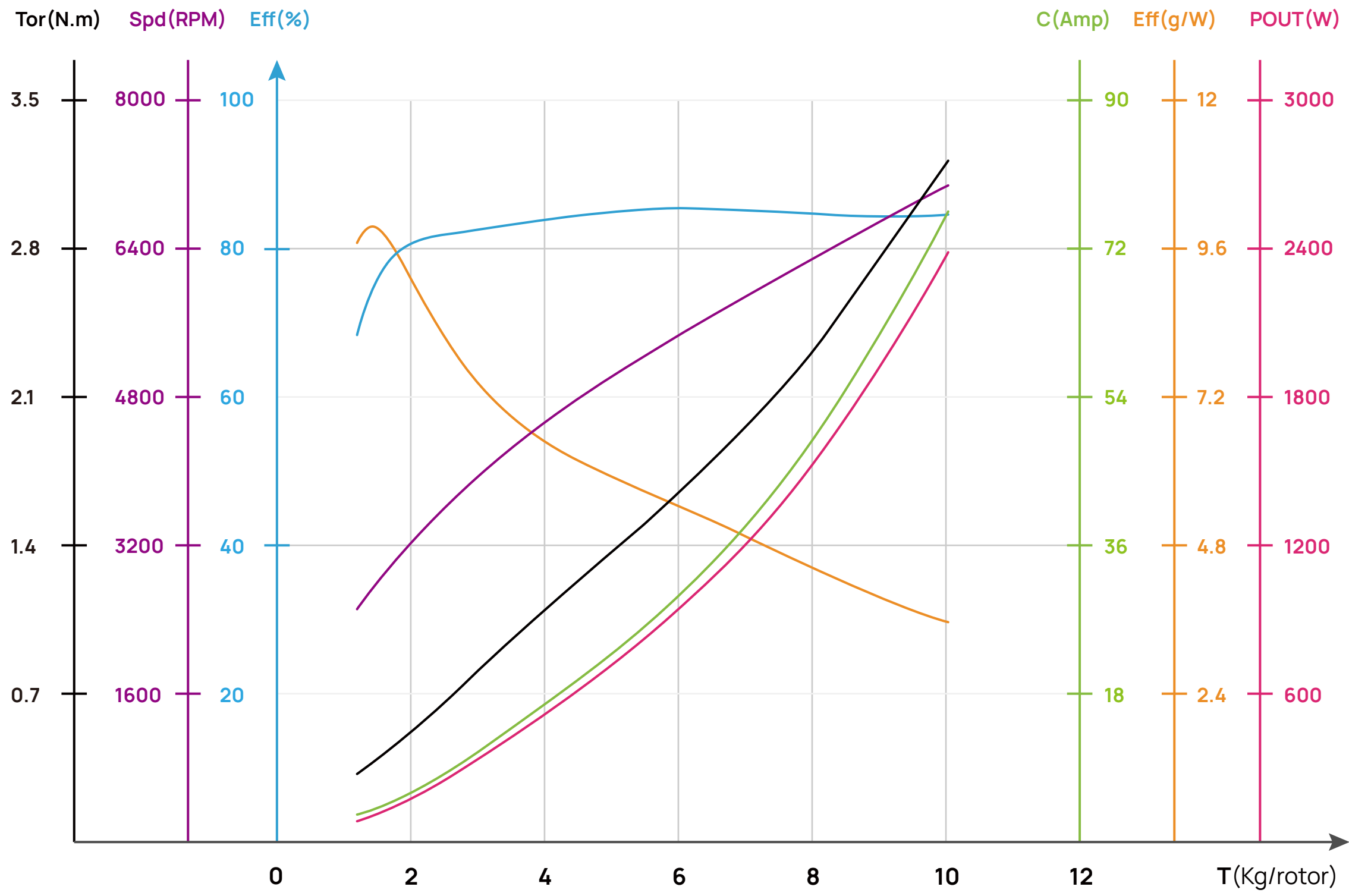
The following data was measured at room temperature of 25°C and sea level by changing the input throttle.

The motor temperature is the case temperature after 10 minutes of motor operation under full throttle open environment.

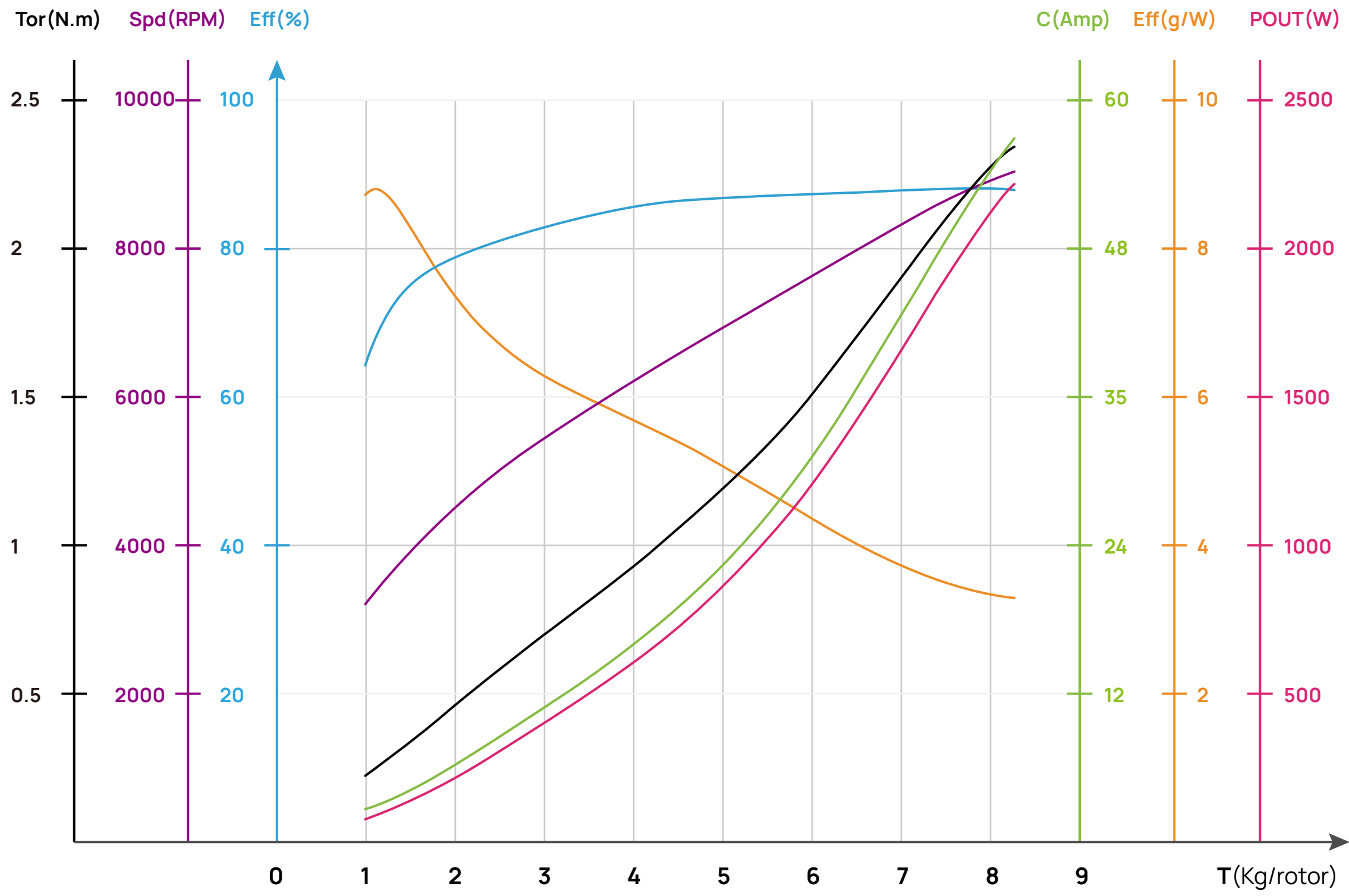
The maximum power continuous running time will be shorter in a bad heat dissipation environment, and the full throttle running time should be controlled, otherwise there is the risk of burning the motor.



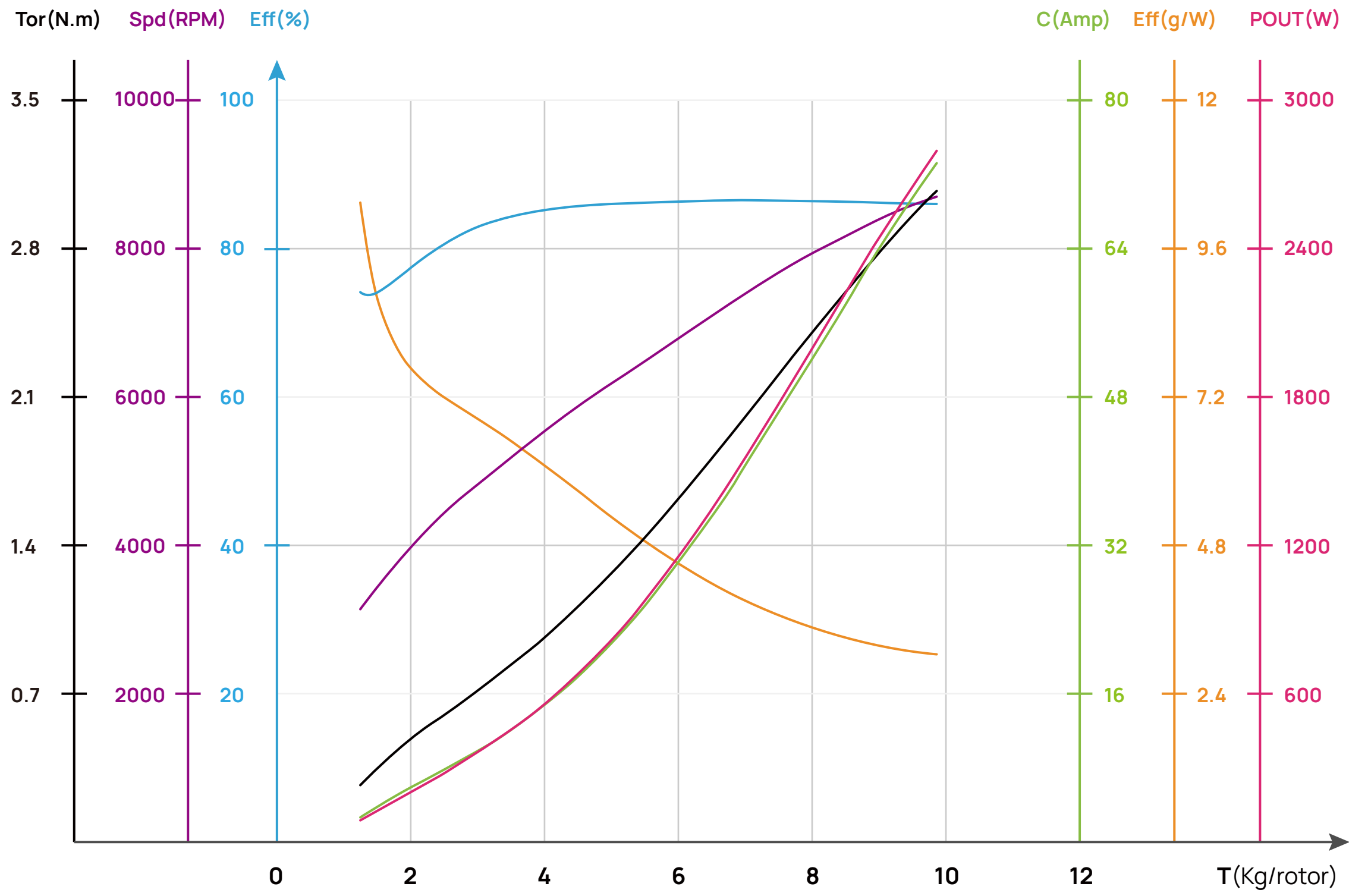
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Temperature(°C) 电机机壳温度
37V (10S LIPO)	APC20x8E Propeller	33%	1335	3.4	125.5	2807	10.6	0.31	80°C 2min19s
		35%	1502	3.9	145.7	2977	10.3	0.35	
		37%	1661	4.5	166.5	3131	10.0	0.39	
		39%	1817	5.1	188.5	3276	9.6	0.43	
		42%	2056	6.1	224.4	3485	9.2	0.49	
		45%	2309	7.2	265.3	3692	8.7	0.56	
		48%	2585	8.4	312.7	3903	8.3	0.63	
		51%	2888	9.9	367.5	4118	7.9	0.70	
		54%	3219	11.6	430.2	4338	7.5	0.79	
		57%	3578	13.5	501.3	4559	7.1	0.88	
		60%	3962	15.7	580.4	4781	6.8	0.98	
		63%	4367	18.0	667.5	5001	6.5	1.08	
		66%	4789	20.6	762.0	5219	6.3	1.19	
		69%	5223	23.3	863.9	5432	6.0	1.30	
		72%	5664	26.3	972.9	5641	5.8	1.42	
		75%	6107	29.4	1088.9	5844	5.6	1.54	
		78%	6549	32.8	1211.7	6040	5.4	1.66	
		81%	6989	36.3	1341.5	6230	5.2	1.78	
84%	7427	40.0	1478.7	6413	5.0	1.91			
87%	7866	43.9	1624.1	6591	4.8	2.03			
90%	8313	48.1	1779.7	6765	4.7	2.17			
100%	9909	64.3	2377.6	7318	4.2	2.66			



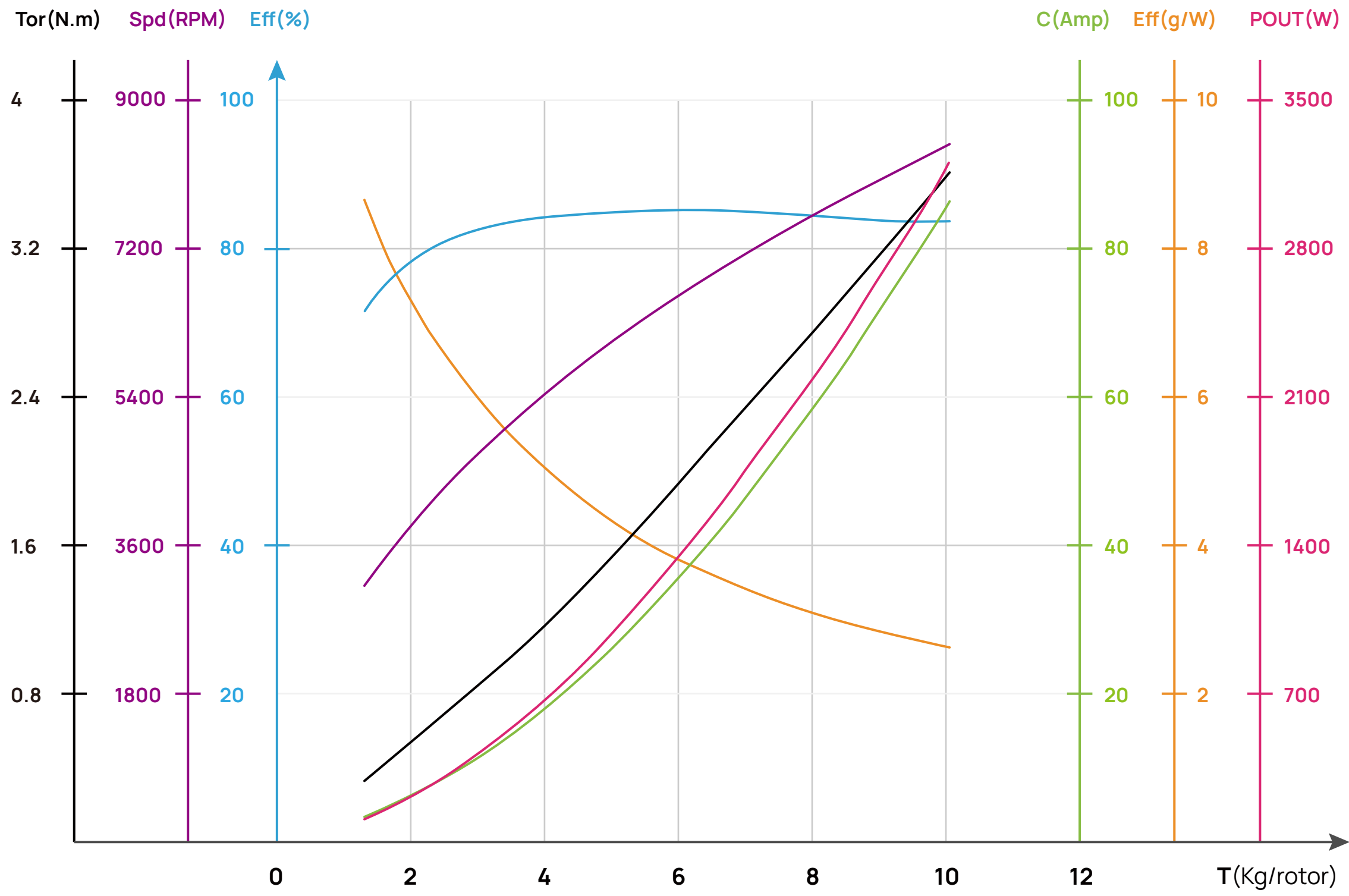
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
37V (10S LIPO)	APC20x10E Propeller	33%	1459	4.0	146.7	2768	9.9	0.38	80°C 1min9s
		35%	1648	4.6	168.9	2939	9.8	0.43	
		37%	1826	5.2	193.1	3092	9.5	0.48	
		39%	1998	5.9	219.2	3233	9.1	0.52	
		42%	2258	7.1	262.6	3435	8.6	0.59	
		45%	2531	8.4	312.3	3634	8.1	0.67	
		48%	2827	10.0	369.7	3835	7.6	0.76	
		51%	3151	11.8	435.6	4041	7.2	0.85	
		54%	3505	13.8	510.1	4252	6.9	0.95	
		57%	3888	16.0	592.9	4464	6.6	1.06	
		60%	4297	18.5	683.7	4678	6.3	1.18	
		63%	4728	21.1	782.3	4890	6.0	1.29	
		66%	5174	24.0	889.0	5099	5.8	1.42	
		69%	5630	27.1	1004.6	5304	5.6	1.54	
		72%	6089	30.5	1130.1	5503	5.4	1.68	
		75%	6544	34.2	1266.3	5696	5.2	1.81	
		78%	6992	38.2	1413.8	5881	4.9	1.96	
		81%	7427	42.5	1572.2	6059	4.7	2.11	
		84%	7850	47.1	1741.0	6229	4.5	2.26	
		87%	8262	51.9	1919.9	6392	4.3	2.43	
90%	8666	57.0	2109.7	6552	4.1	2.60			
100%	10026	76.3	2822.4	7080	3.6	3.22			



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
44.4V (12S LIPO)	APC17x8E Propeller	33%	1174	3.0	133.7	3450	8.8	0.26	80°C 6min34s
		35%	1303	3.4	150.7	3632	8.6	0.29	
		37%	1433	3.8	170.1	3808	8.4	0.32	
		39%	1569	4.3	192.2	3982	8.2	0.35	
		42%	1789	5.2	231.1	4248	7.7	0.40	
		45%	2033	6.3	277.7	4522	7.3	0.46	
		48%	2306	7.5	332.3	4804	6.9	0.53	
		51%	2606	8.9	394.3	5091	6.6	0.60	
		54%	2932	10.4	462.9	5378	6.3	0.68	
		57%	3279	12.1	537.6	5663	6.1	0.76	
		60%	3642	13.9	618.5	5943	5.9	0.84	
		63%	4014	15.9	706.6	6217	5.7	0.93	
		66%	4390	18.1	803.3	6485	5.5	1.02	
		69%	4761	20.5	910.1	6748	5.2	1.12	
		72%	5123	23.2	1027.5	7002	5.0	1.22	
		75%	5472	26.0	1154.8	7249	4.7	1.32	
		78%	5806	29.1	1290.8	7485	4.5	1.44	
		81%	6125	32.3	1433.6	7710	4.3	1.55	
		84%	6432	35.7	1582.4	7926	4.1	1.67	
		87%	6735	39.2	1738.0	8136	3.9	1.79	
90%	7044	42.9	1903.5	8344	3.7	1.91			
100%	8279	56.9	2523.8	9031	3.3	2.35			



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
44.4V (12S LIPO)	APC18x8E Propeller	33%	1423	3.5	156.6	3360	9.1	0.33	80°C 1min23s
		35%	1575	4.2	185.4	3533	8.5	0.37	
		37%	1735	4.8	214.8	3706	8.1	0.42	
		39%	1906	5.5	245.2	3882	7.8	0.46	
		42%	2185	6.6	293.6	4150	7.4	0.53	
		45%	2493	7.8	346.8	4422	7.2	0.60	
		48%	2828	9.2	406.6	4697	7.0	0.68	
		51%	3188	10.7	475.3	4972	6.7	0.76	
		54%	3568	12.5	555.0	5244	6.4	0.85	
		57%	3962	14.6	647.9	5514	6.1	0.95	
		60%	4366	17.0	755.1	5779	5.8	1.07	
		63%	4773	19.8	877.0	6039	5.4	1.19	
		66%	5176	22.8	1012.4	6292	5.1	1.32	
		69%	5572	26.1	1159.5	6537	4.8	1.46	
		72%	5958	29.6	1315.7	6772	4.5	1.60	
		75%	6331	33.3	1478.7	6997	4.3	1.74	
		78%	6694	37.1	1646.8	7210	4.1	1.89	
		81%	7050	41.0	1819.9	7415	3.9	2.03	
		84%	7406	45.1	1999.8	7614	3.7	2.17	
		87%	7773	49.4	2190.7	7811	3.5	2.31	
90%	8168	54.1	2398.9	8011	3.4	2.47			
100%	9866	73.2	3247.9	8693	3.0	3.07			



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
44.4V (12S LIPO)	APC18x10E Propeller	33%	1506	4.1	183.4	3318	8.2	0.39	80°C 44s
		35%	1661	4.7	210.4	3487	7.9	0.44	
		37%	1824	5.4	240.2	3656	7.6	0.48	
		39%	1996	6.2	273.2	3828	7.3	0.53	
		42%	2271	7.4	329.5	4088	6.9	0.61	
		45%	2568	8.9	395.4	4350	6.5	0.70	
		48%	2885	10.6	472.0	4614	6.1	0.80	
		51%	3222	12.6	560.6	4877	5.7	0.91	
		54%	3577	14.9	662.0	5138	5.4	1.03	
		57%	3947	17.5	776.6	5395	5.1	1.16	
		60%	4329	20.4	904.8	5647	4.8	1.29	
		63%	4720	23.6	1046.1	5893	4.5	1.44	
		66%	5118	27.0	1200.0	6132	4.3	1.59	
		69%	5521	30.8	1365.7	6363	4.0	1.74	
		72%	5926	34.8	1542.3	6587	3.8	1.90	
		75%	6333	39.0	1729.1	6801	3.7	2.07	
		78%	6742	43.4	1925.9	7008	3.5	2.23	
		81%	7153	48.1	2132.9	7208	3.4	2.40	
		84%	7571	53.0	2351.4	7403	3.2	2.57	
		87%	7998	58.3	2583.9	7595	3.1	2.74	
90%	8441	63.9	2834.1	7787	3.0	2.92			
100%	10055	86.4	3828.7	8469	2.6	3.61			

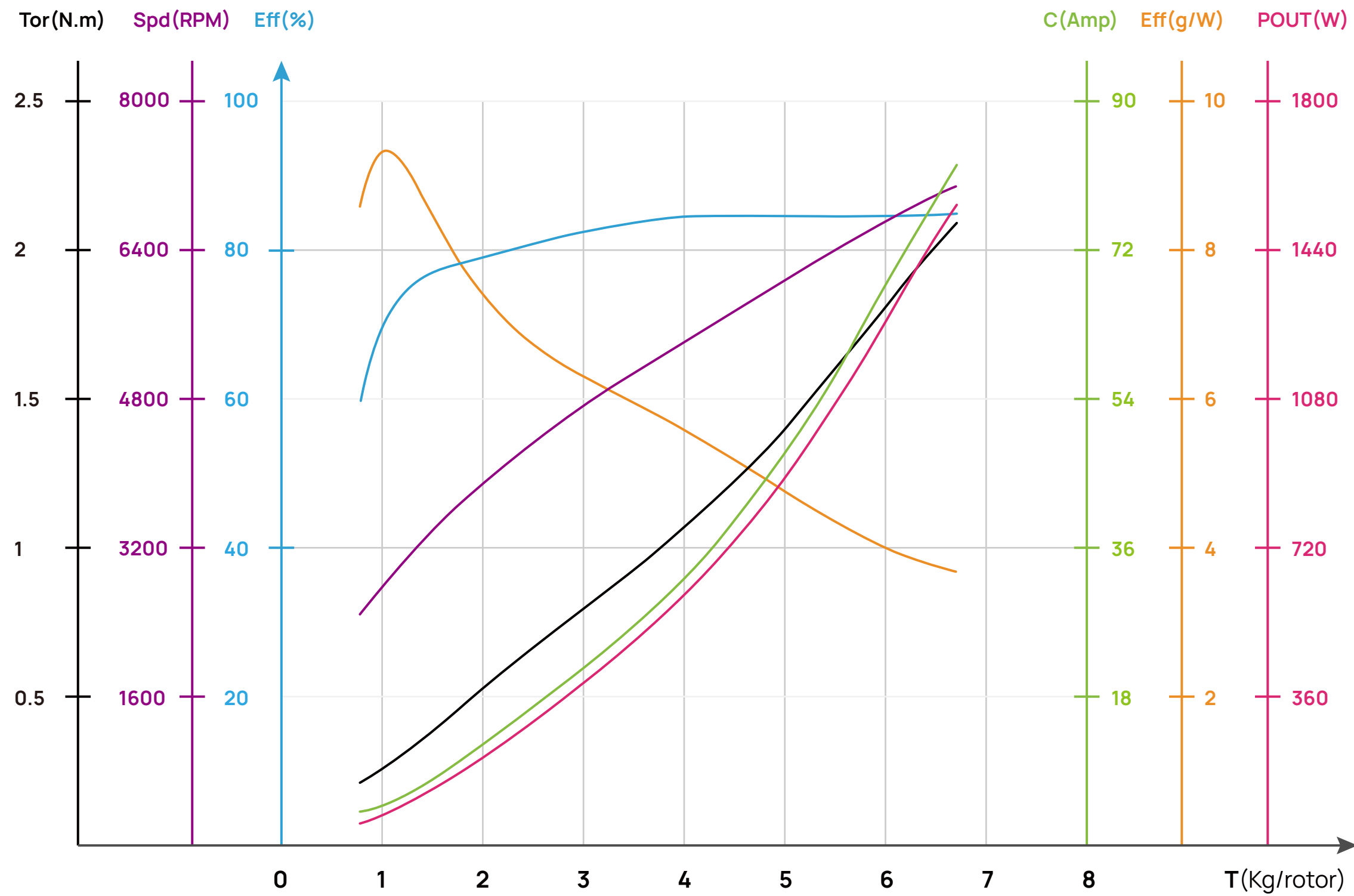
PLATINUM 5220SL 380KV

以下数据为室温 25°C、海平面高度的环境下,变化油门输入调节拉力测得。电机温度为100%油门开放环境下电机运行10分钟机壳温度。在散热不良的环境下,最大功率连续运行时间会变短,应控制全油门运行时间,否则有烧毁电机的危险。

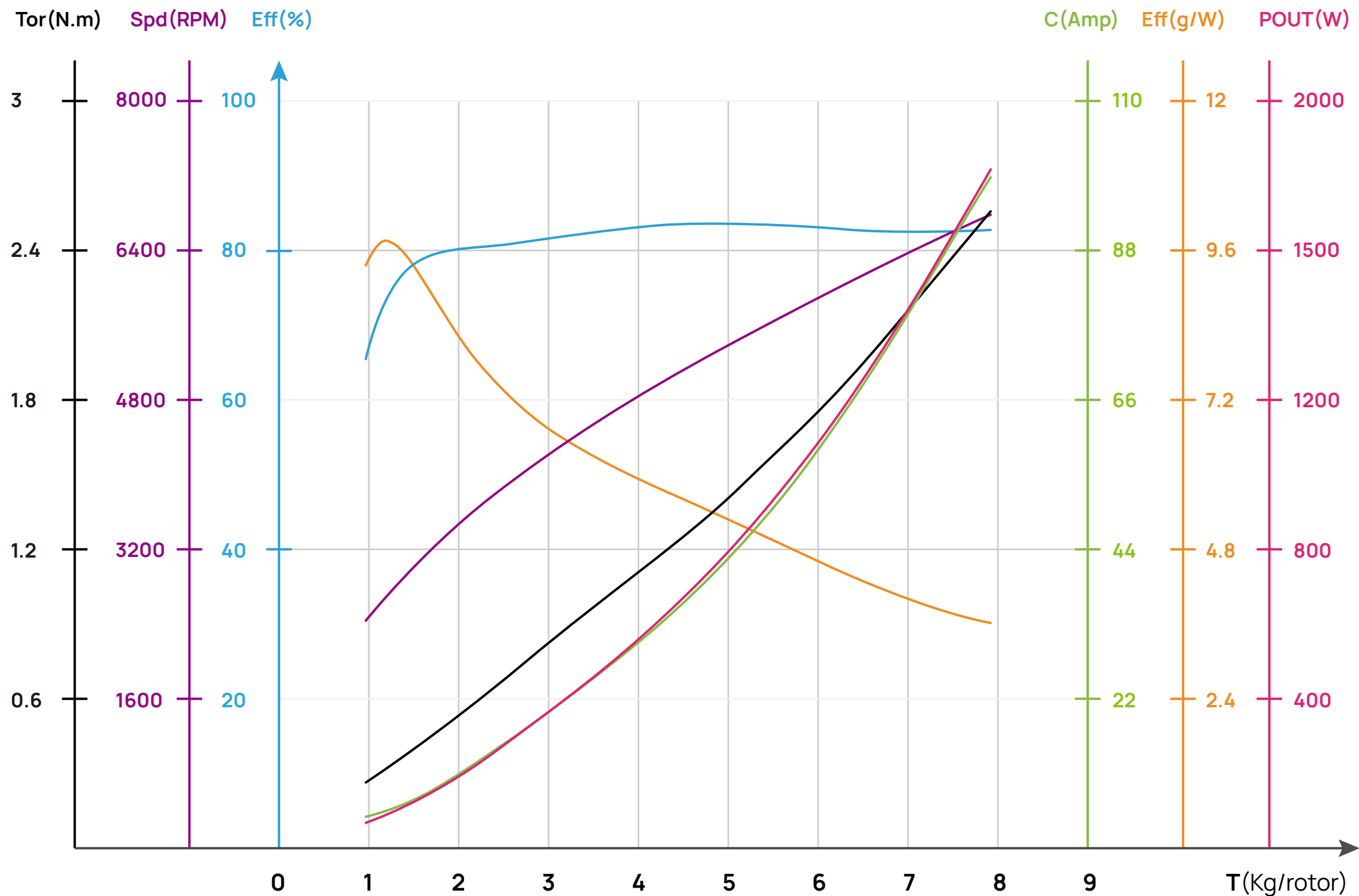
The following data was measured at room temperature of 25°C and sea level by changing the input throttle.

The motor temperature is the case temperature after 10 minutes of motor operation under full throttle open environment.

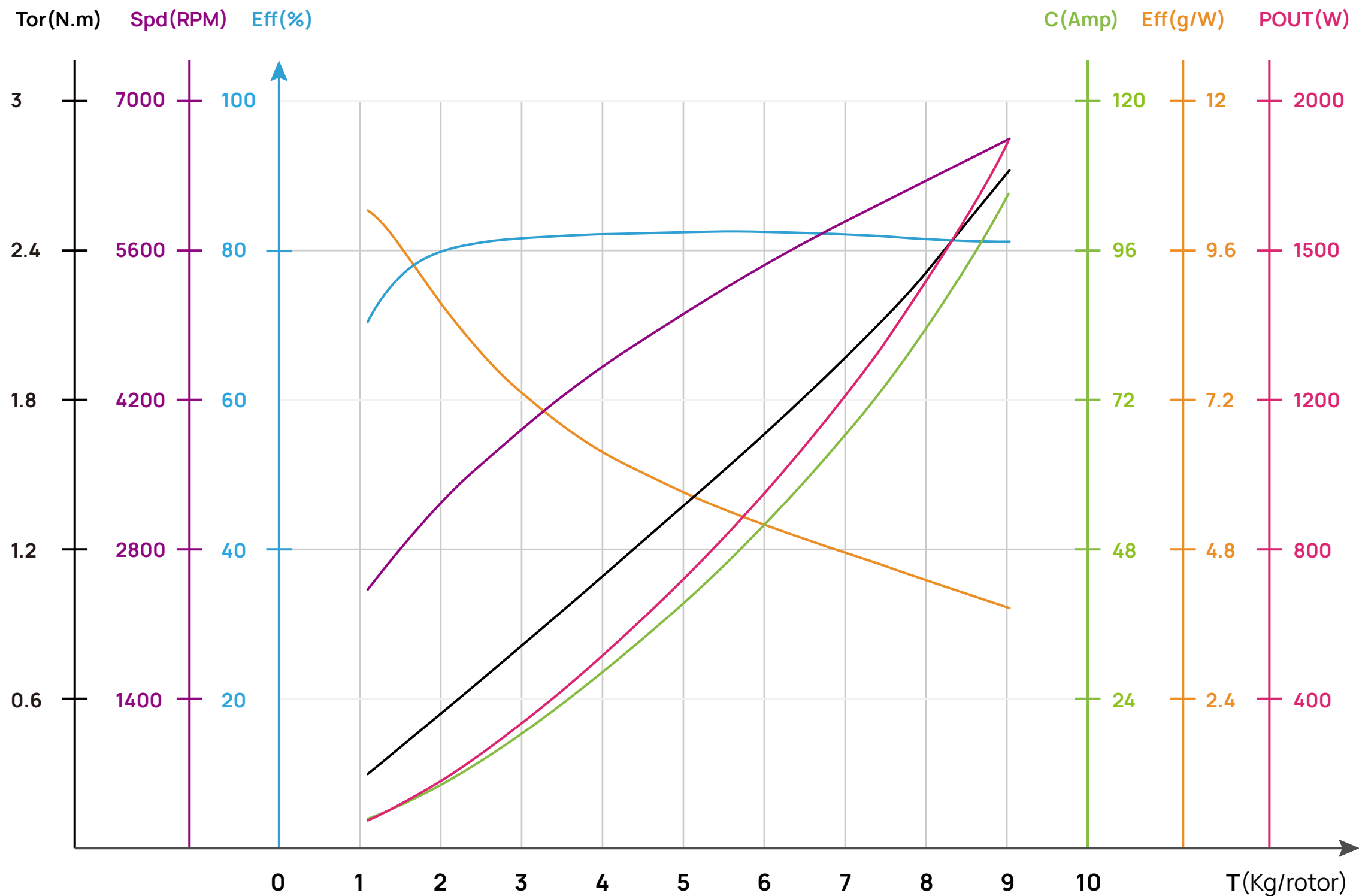
The maximum power continuous running time will be shorter in a bad heat dissipation environment, and the full throttle running time should be controlled, otherwise there is the risk of burning the motor.



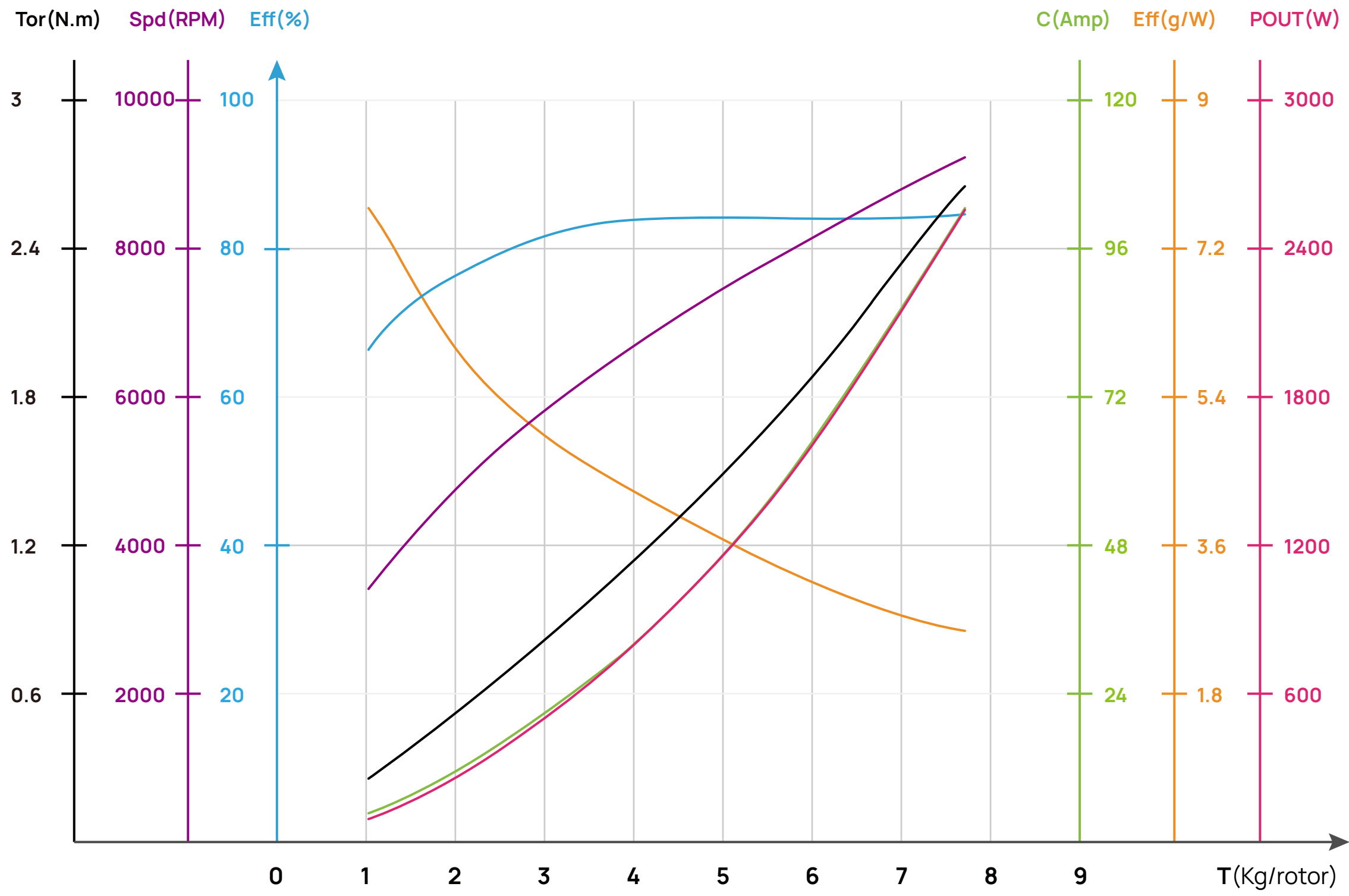
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Temperature(°C) 电机机壳温度
22.2V (6S LIPO)	APC18x10E Propeller	33%	971	4.7	104.8	2739	9.3	0.25	70°C 10min
		35%	1099	5.3	118.3	2905	9.3	0.28	
		37%	1219	6.0	133.5	3053	9.1	0.31	
		39%	1334	6.7	150.3	3190	8.9	0.34	
		42%	1508	8.0	178.5	3387	8.4	0.39	
		45%	1691	9.5	211.2	3583	8.0	0.44	
		48%	1891	11.2	249.1	3784	7.6	0.49	
		51%	2111	13.1	292.4	3991	7.2	0.56	
		54%	2351	15.3	341.1	4203	6.9	0.62	
		57%	2611	17.7	394.7	4418	6.6	0.69	
		60%	2888	20.3	452.8	4634	6.4	0.77	
		63%	3178	23.2	515.6	4847	6.2	0.84	
		66%	3477	26.2	583.6	5057	6.0	0.92	
		69%	3779	29.6	657.7	5263	5.7	1.00	
		72%	4080	33.2	739.0	5463	5.5	1.09	
		75%	4375	37.2	827.9	5658	5.3	1.18	
		78%	4663	41.5	924.2	5846	5.0	1.28	
		81%	4940	46.2	1027.3	6027	4.8	1.37	
84%	5209	51.1	1136.5	6201	4.6	1.48			
87%	5472	56.3	1251.6	6370	4.4	1.58			
90%	5736	61.8	1373.5	6536	4.2	1.69			
100%	6712	82.1	1824.2	7073	3.7	2.09			



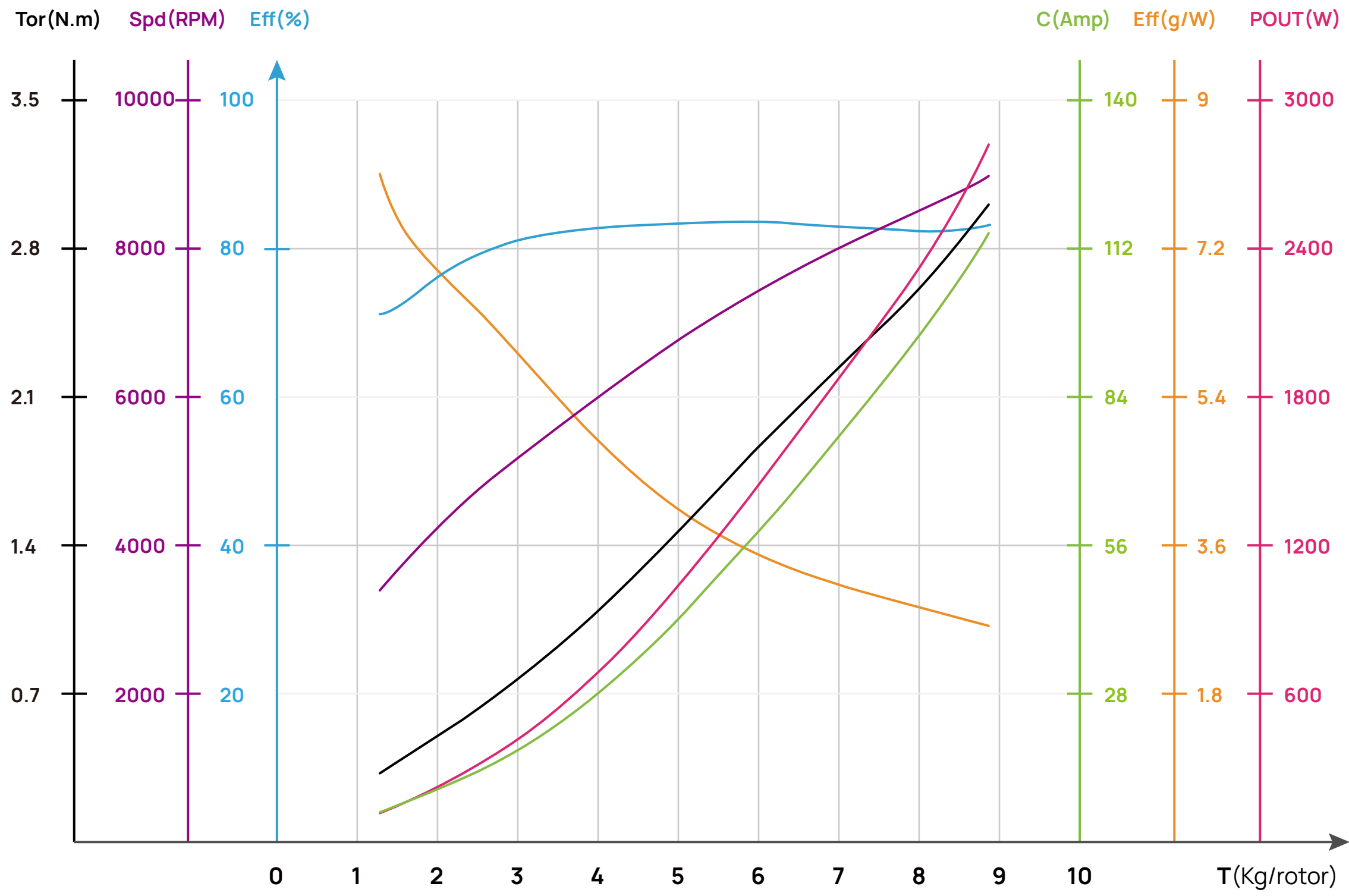
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
22.2V (6S LIPO)	APC19x10E Propeller	33%	1186	5.5	121.6	2683	9.7	0.32	80°C 3min18s
		35%	1341	6.3	139.2	2849	9.6	0.36	
		37%	1486	7.1	158.5	2996	9.4	0.39	
		39%	1626	8.1	179.5	3133	9.1	0.43	
		42%	1837	9.6	214.1	3326	8.6	0.49	
		45%	2056	11.4	253.6	3515	8.1	0.55	
		48%	2291	13.4	298.6	3706	7.7	0.62	
		51%	2545	15.7	349.9	3901	7.3	0.69	
		54%	2822	18.3	407.6	4099	6.9	0.77	
		57%	3119	21.2	471.6	4301	6.6	0.86	
		60%	3436	24.4	541.8	4503	6.3	0.94	
		63%	3767	27.8	618.4	4705	6.1	1.04	
		66%	4110	31.5	701.6	4904	5.9	1.14	
		69%	4459	35.6	792.3	5099	5.6	1.24	
		72%	4810	40.1	891.0	5289	5.4	1.34	
		75%	5158	44.9	998.3	5472	5.2	1.46	
		78%	5500	50.1	1114.1	5648	4.9	1.57	
		81%	5835	55.7	1238.1	5815	4.7	1.69	
84%	6162	61.6	1369.7	5976	4.5	1.81			
87%	6483	67.9	1508.7	6130	4.3	1.94			
90%	6803	74.5	1655.6	6280	4.1	2.08			
100%	7924	98.7	2193.5	6783	3.6	2.56			



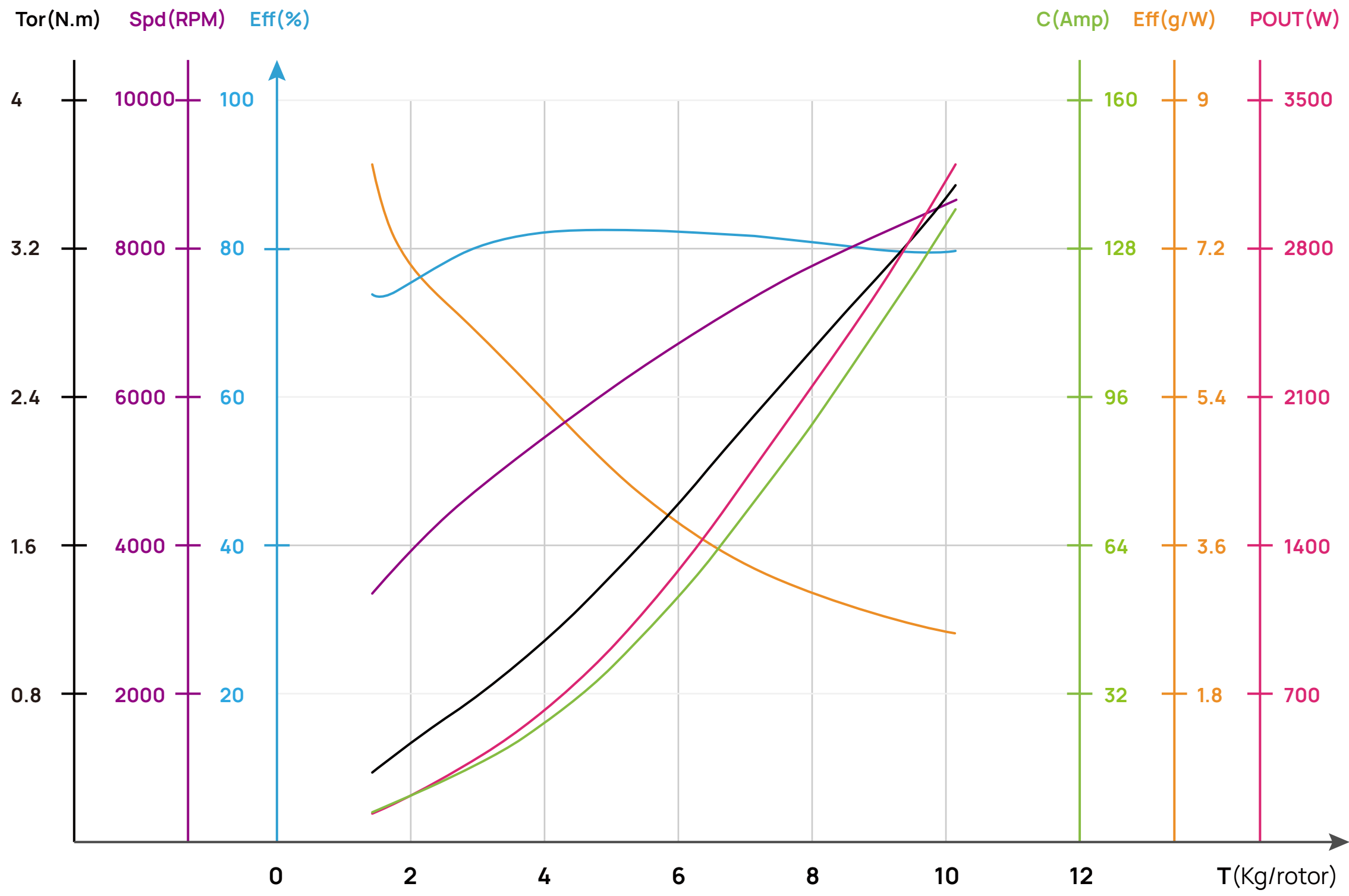
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
22.2V (6S LIPO)	APC20x10E Propeller	33%	1327	6.0	133.3	2646	10.0	0.36	80°C 2min6s
		35%	1497	7.0	154.7	2806	9.7	0.40	
		37%	1662	8.0	177.3	2953	9.4	0.45	
		39%	1825	9.0	201.3	3092	9.1	0.49	
		42%	2072	10.8	240.2	3289	8.6	0.56	
		45%	2328	12.7	283.7	3481	8.2	0.63	
		48%	2598	14.9	332.6	3669	7.8	0.70	
		51%	2884	17.4	387.7	3858	7.4	0.78	
		54%	3189	20.2	449.6	4047	7.1	0.87	
		57%	3514	23.3	518.9	4237	6.8	0.96	
		60%	3858	26.8	595.7	4429	6.5	1.05	
		63%	4219	30.6	680.1	4620	6.2	1.16	
		66%	4595	34.7	772.0	4812	6.0	1.26	
		69%	4985	39.2	871.4	5001	5.7	1.37	
		72%	5384	44.0	978.2	5188	5.5	1.49	
		75%	5789	49.1	1092.4	5370	5.3	1.60	
		78%	6198	54.6	1214.0	5546	5.1	1.72	
		81%	6607	60.4	1343.2	5716	4.9	1.85	
		84%	7013	66.6	1480.2	5878	4.7	1.98	
		87%	7414	73.1	1625.4	6033	4.6	2.11	
90%	7809	80.1	1779.2	6183	4.4	2.24			
100%	9021	105.1	2335.0	6649	3.9	2.72			



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
29.6V (8S LIPO)	APC16x10E Propeller	33%	1186	5.4	159.2	3637	7.5	0.29	80°C 2min37s
		35%	1307	6.1	181.0	3817	7.2	0.32	
		37%	1432	6.9	205.3	3996	7.0	0.35	
		39%	1562	7.8	232.4	4177	6.7	0.39	
		42%	1771	9.4	279.1	4454	6.3	0.45	
		45%	1999	11.3	333.9	4738	6.0	0.51	
		48%	2248	13.4	397.4	5030	5.7	0.59	
		51%	2517	15.9	469.9	5325	5.4	0.67	
		54%	2805	18.6	551.3	5619	5.1	0.76	
		57%	3108	21.7	641.9	5910	4.8	0.85	
		60%	3423	25.0	741.6	6194	4.6	0.95	
		63%	3746	28.7	850.8	6470	4.4	1.05	
		66%	4073	32.8	969.8	6735	4.2	1.15	
		69%	4399	37.1	1098.8	6989	4.0	1.26	
		72%	4723	41.8	1237.7	7232	3.8	1.38	
		75%	5041	46.8	1386.2	7464	3.6	1.49	
		78%	5353	52.2	1543.6	7687	3.5	1.61	
		81%	5658	57.8	1709.7	7901	3.3	1.73	
		84%	5958	63.7	1884.6	8109	3.2	1.86	
		87%	6259	70.0	2069.7	8313	3.0	1.99	
90%	6567	76.7	2267.8	8517	2.9	2.13			
100%	7717	102.4	3027.3	9223	2.5	2.65			



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
29.6V (8S LIPO)	APC17x10E Propeller	33%	1411	6.1	182.2	3540	7.7	0.35	80°C 1min22s
		35%	1540	6.9	205.8	3698	7.5	0.38	
		37%	1693	7.9	233.2	3877	7.3	0.42	
		39%	1865	8.9	264.0	4068	7.1	0.46	
		42%	2148	10.7	316.7	4367	6.8	0.53	
		45%	2454	12.8	378.4	4668	6.5	0.61	
		48%	2774	15.2	450.6	4964	6.2	0.70	
		51%	3101	18.0	534.4	5253	5.8	0.79	
		54%	3431	21.3	630.3	5532	5.4	0.89	
		57%	3761	24.9	738.2	5803	5.1	1.00	
		60%	4090	28.9	857.2	6064	4.8	1.12	
		63%	4418	33.3	986.7	6317	4.5	1.24	
		66%	4745	38.0	1126.0	6562	4.2	1.36	
		69%	5074	43.0	1274.6	6800	4.0	1.49	
		72%	5407	48.4	1432.2	7031	3.8	1.62	
		75%	5746	54.0	1598.9	7257	3.6	1.76	
		78%	6093	60.0	1774.8	7476	3.4	1.89	
		81%	6450	66.2	1960.3	7688	3.3	2.03	
		84%	6818	72.8	2155.7	7895	3.2	2.17	
		87%	7198	79.8	2362.0	8096	3.0	2.31	
90%	7590	87.2	2580.7	8293	2.9	2.45			
100%	8875	114.8	3393.9	8966	2.6	3.00			



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
29.6V (8S LIPO)	APC18x10E Propeller	33%	1583	6.9	204.7	3490	7.7	0.41	80°C 47s
		35%	1731	7.9	233.8	3642	7.4	0.45	
		37%	1904	9.0	267.2	3812	7.1	0.50	
		39%	2099	10.3	304.2	3993	6.9	0.55	
		42%	2425	12.4	366.6	4277	6.6	0.63	
		45%	2779	14.8	438.2	4563	6.3	0.73	
		48%	3154	17.6	521.0	4846	6.1	0.83	
		51%	3541	20.8	617.2	5123	5.7	0.94	
		54%	3932	24.6	727.7	5393	5.4	1.06	
		57%	4325	28.8	852.9	5655	5.1	1.18	
		60%	4715	33.5	992.1	5908	4.8	1.32	
		63%	5099	38.6	1144.0	6152	4.5	1.46	
		66%	5478	44.1	1307.3	6387	4.2	1.61	
		69%	5851	50.0	1480.5	6613	4.0	1.76	
		72%	6220	56.2	1663.0	6829	3.7	1.91	
		75%	6588	62.7	1854.4	7037	3.6	2.06	
		78%	6957	69.5	2055.4	7237	3.4	2.22	
		81%	7332	76.6	2267.4	7431	3.2	2.37	
		84%	7719	84.3	2492.6	7620	3.1	2.53	
		87%	8122	92.4	2734.0	7806	3.0	2.70	
90%	8550	101.3	2995.6	7991	2.9	2.87			
100%	10144	136.3	4028.3	8647	2.5	3.54			