



# LOAD PERFORMANCE PARAMETERS

## 负载性能参数

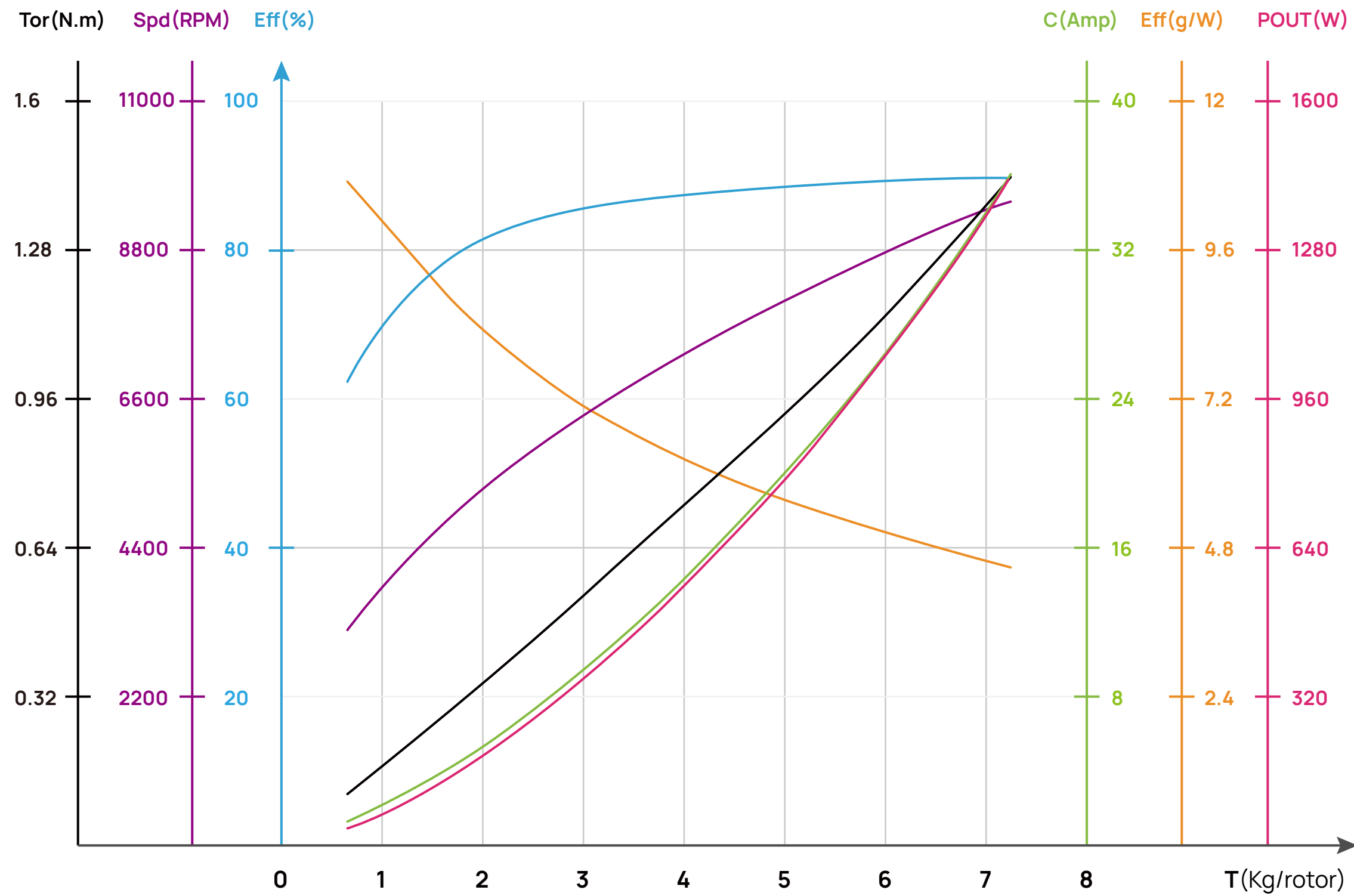
# PLATINUM 4130SL 230KV

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。

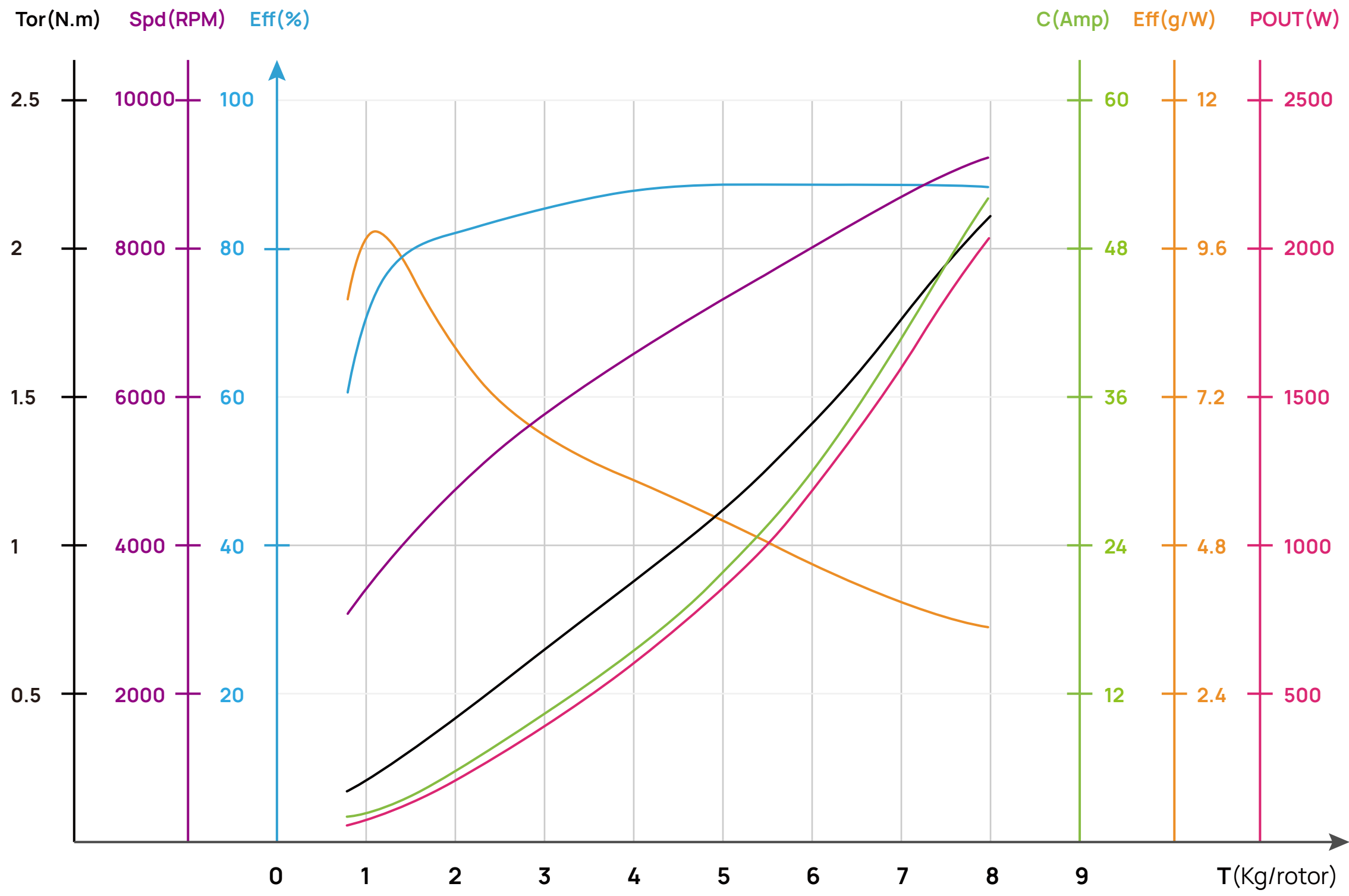
The following data was measured at room temperature of 25°C and sea level by changing the input throttle.

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

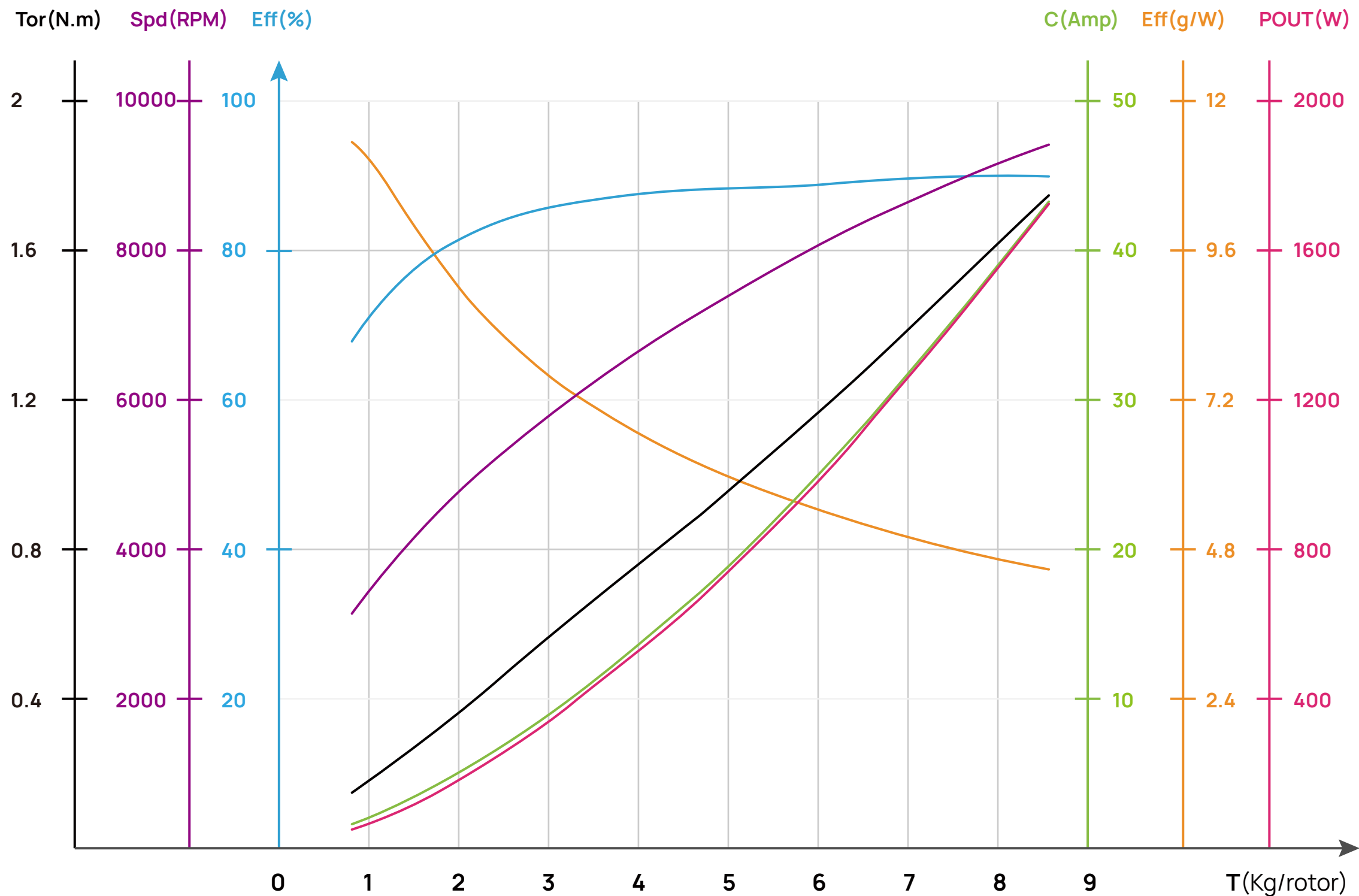
The maximum power continuous running time will be shorter in a bad heat dissipation environment, and the full throttle running time should be controlled, otherwise there is the risk of burning the motor.



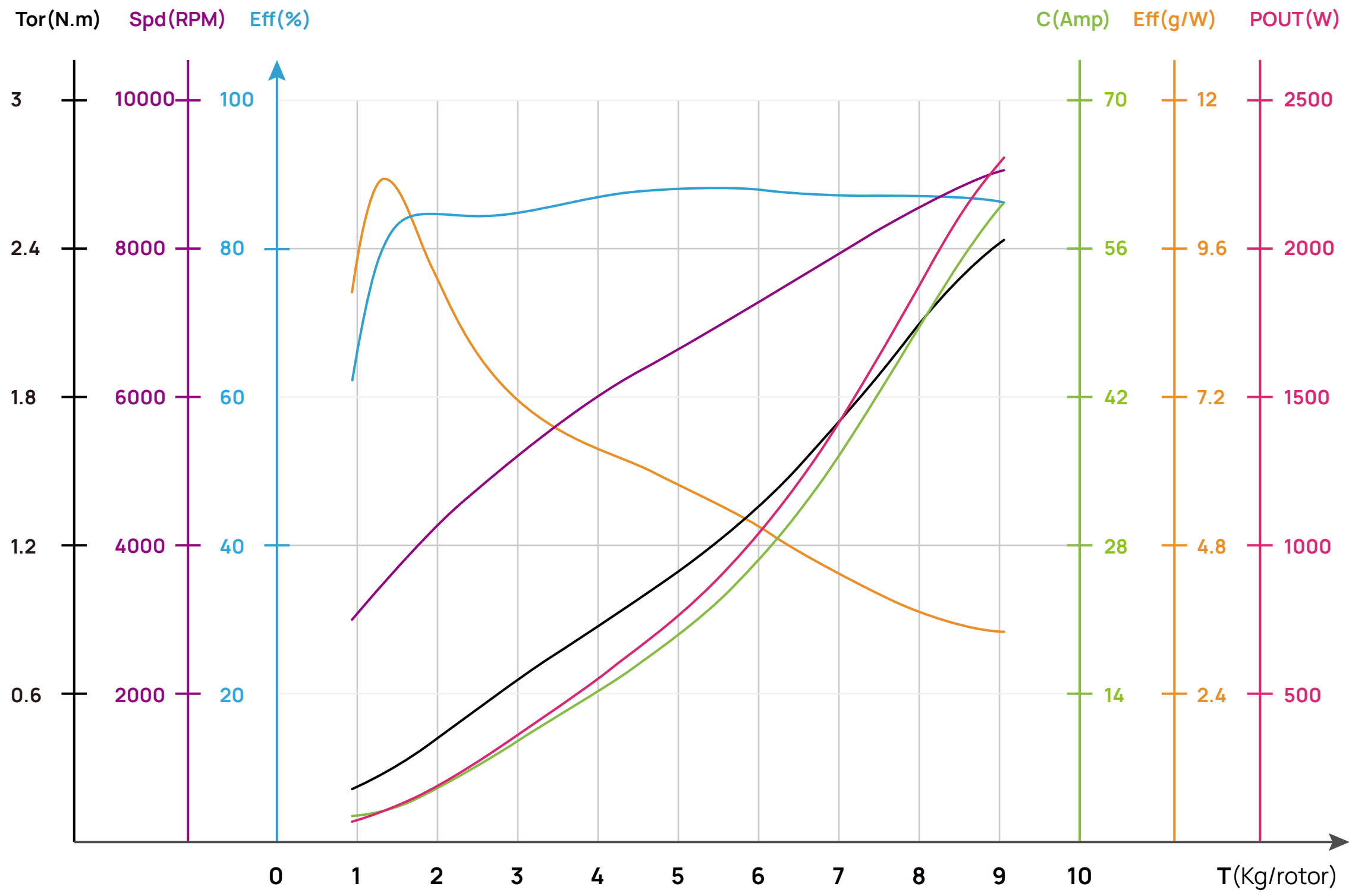
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Temperature(°C) 电机机壳温度
44.4V (12S LIPO)	APC16x6E Propeller	33%	802	1.7	76.5	3493	10.5	0.14	70°C 10min
		35%	915	2.0	89.0	3700	10.3	0.16	
		37%	1027	2.3	102.1	3896	10.1	0.18	
		39%	1139	2.6	115.7	4084	9.8	0.20	
		42%	1311	3.1	137.8	4357	9.5	0.23	
		45%	1490	3.7	162.2	4624	9.2	0.26	
		48%	1681	4.3	189.7	4890	8.9	0.29	
		51%	1885	5.0	220.9	5157	8.5	0.33	
		54%	2104	5.8	256.4	5426	8.2	0.37	
		57%	2340	6.7	296.9	5699	7.9	0.42	
		60%	2593	7.7	342.8	5975	7.6	0.46	
		63%	2864	8.9	394.6	6254	7.3	0.52	
		66%	3153	10.2	452.8	6537	7.0	0.57	
		69%	3459	11.7	517.7	6822	6.7	0.63	
		72%	3781	13.3	589.5	7110	6.4	0.69	
		75%	4119	15.1	668.3	7399	6.2	0.76	
		78%	4470	17.0	754.3	7687	5.9	0.83	
		81%	4834	19.1	847.5	7973	5.7	0.90	
		84%	5208	21.4	948.2	8254	5.5	0.98	
		87%	5591	23.8	1056.4	8527	5.3	1.06	
90%	5981	26.5	1172.8	8791	5.1	1.14			
100%	7239	36.2	1604.7	9565	4.5	1.44			



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)	APC16x8E Propeller	33%	1013	2.3	103.5	3424	9.8	0.20	80°C 1min54s
		35%	1164	2.7	118.2	3652	9.8	0.23	
		37%	1300	3.0	134.6	3848	9.7	0.26	
		39%	1427	3.4	152.2	4024	9.4	0.29	
		42%	1612	4.1	181.0	4271	8.9	0.33	
		45%	1803	4.8	214.1	4512	8.4	0.37	
		48%	2010	5.7	252.6	4758	8.0	0.42	
		51%	2240	6.7	297.8	5016	7.5	0.47	
		54%	2496	7.9	350.1	5284	7.1	0.53	
		57%	2779	9.2	409.7	5561	6.8	0.60	
		60%	3088	10.7	476.2	5841	6.5	0.67	
		63%	3420	12.4	549.5	6123	6.2	0.74	
		66%	3770	14.2	629.9	6402	6.0	0.82	
		69%	4134	16.2	718.6	6678	5.8	0.90	
		72%	4507	18.4	817.0	6950	5.5	0.99	
		75%	4884	20.9	926.8	7219	5.3	1.08	
		78%	5260	23.7	1049.4	7485	5.0	1.19	
		81%	5633	26.7	1185.5	7748	4.8	1.29	
		84%	6002	30.1	1335.1	8007	4.5	1.41	
		87%	6367	33.8	1497.8	8260	4.3	1.53	
90%	6731	37.7	1673.1	8508	4.0	1.66			
100%	7982	52.0	2304.7	9213	3.5	2.10			



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)	APC17x6E Propeller	33%	1000	2.0	90.4	3438	11.1	0.18	80°C 4min17s
		35%	1142	2.4	106.0	3652	10.8	0.20	
		37%	1278	2.7	122.0	3848	10.5	0.23	
		39%	1411	3.1	138.6	4033	10.2	0.25	
		42%	1612	3.7	165.3	4297	9.8	0.29	
		45%	1820	4.4	194.9	4555	9.3	0.33	
		48%	2040	5.1	228.4	4814	8.9	0.37	
		51%	2277	6.0	266.5	5075	8.5	0.42	
		54%	2533	7.0	310.0	5342	8.2	0.47	
		57%	2809	8.1	359.6	5614	7.8	0.52	
		60%	3106	9.4	415.7	5891	7.5	0.58	
		63%	3423	10.8	478.9	6171	7.1	0.64	
		66%	3761	12.4	549.3	6454	6.8	0.71	
		69%	4116	14.1	627.3	6737	6.6	0.78	
		72%	4489	16.1	713.1	7021	6.3	0.85	
		75%	4876	18.2	806.9	7303	6.0	0.93	
		78%	5278	20.5	908.9	7584	5.8	1.01	
		81%	5692	23.0	1019.5	7860	5.6	1.10	
		84%	6119	25.7	1139.1	8131	5.4	1.19	
		87%	6559	28.6	1268.0	8396	5.2	1.29	
90%	7013	31.7	1406.8	8653	5.0	1.39			
100%	8579	43.3	1919.0	9413	4.5	1.75			



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%	1241	2.6	116.6	3373	10.6	0.26	80°C 1min2s	
		35%	1435	3.0	134.7	3612	10.7	0.29		
		37%	1604	3.5	155.8	3812	10.3	0.33		
		39%	1756	4.0	178.4	3987	9.8	0.36		
		42%	1972	4.8	214.6	4226	9.2	0.41		
		45%	2191	5.7	255.2	4457	8.6	0.46		
		48%	2428	6.8	302.0	4696	8.0	0.52		
		51%	2694	8.0	356.2	4949	7.6	0.58		
		54%	2992	9.4	418.1	418.1	5215	7.2		0.65
		57%	3323	11.0	487.1	487.1	5490	6.8		0.72
		60%	3685	12.7	562.6	562.6	5769	6.5		0.80
		63%	4071	14.5	644.6	644.6	6048	6.3		0.89
		66%	4476	16.6	734.7	734.7	6323	6.1		0.97
		69%	4891	18.8	835.4	835.4	6593	5.9		1.07
		72%	5309	21.4	949.7	949.7	6857	5.6		1.17
		75%	5723	24.3	1079.9	1079.9	7118	5.3		1.28
		78%	6127	27.6	1226.7	1226.7	7374	5.0		1.39
		81%	6518	31.3	1389.4	1389.4	7625	4.7		1.52
		84%	6898	35.3	1566.1	1566.1	7871	4.4		1.66
		87%	7271	39.6	1755.6	1755.6	8112	4.1		1.80
90%	7646	44.1	1958.4	1958.4	8351	3.9	1.95			
100%	9062	60.4	2678.1	2678.1	9060	3.4	2.43			

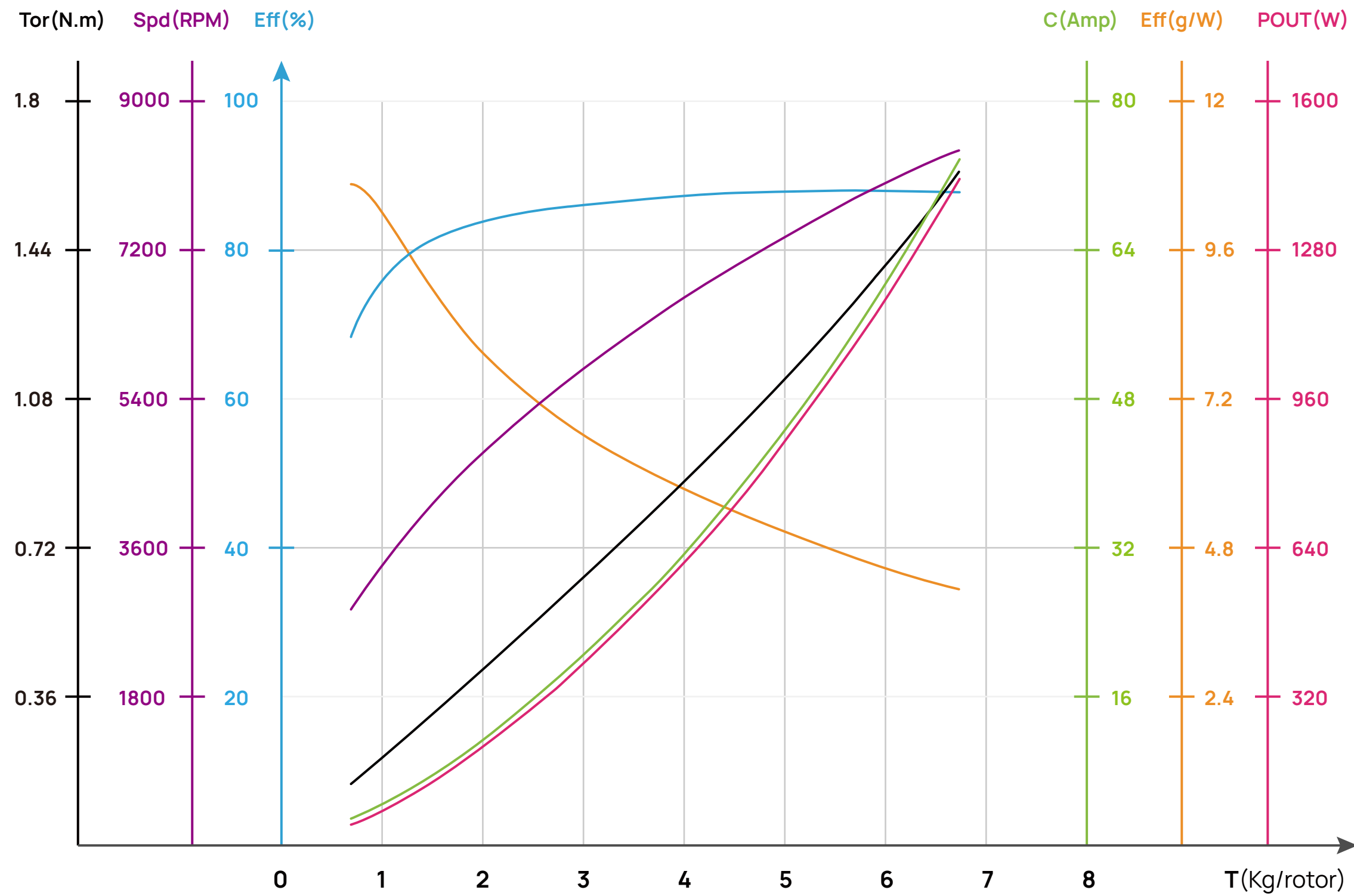
# PLATINUM 4130SL 420KV

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.

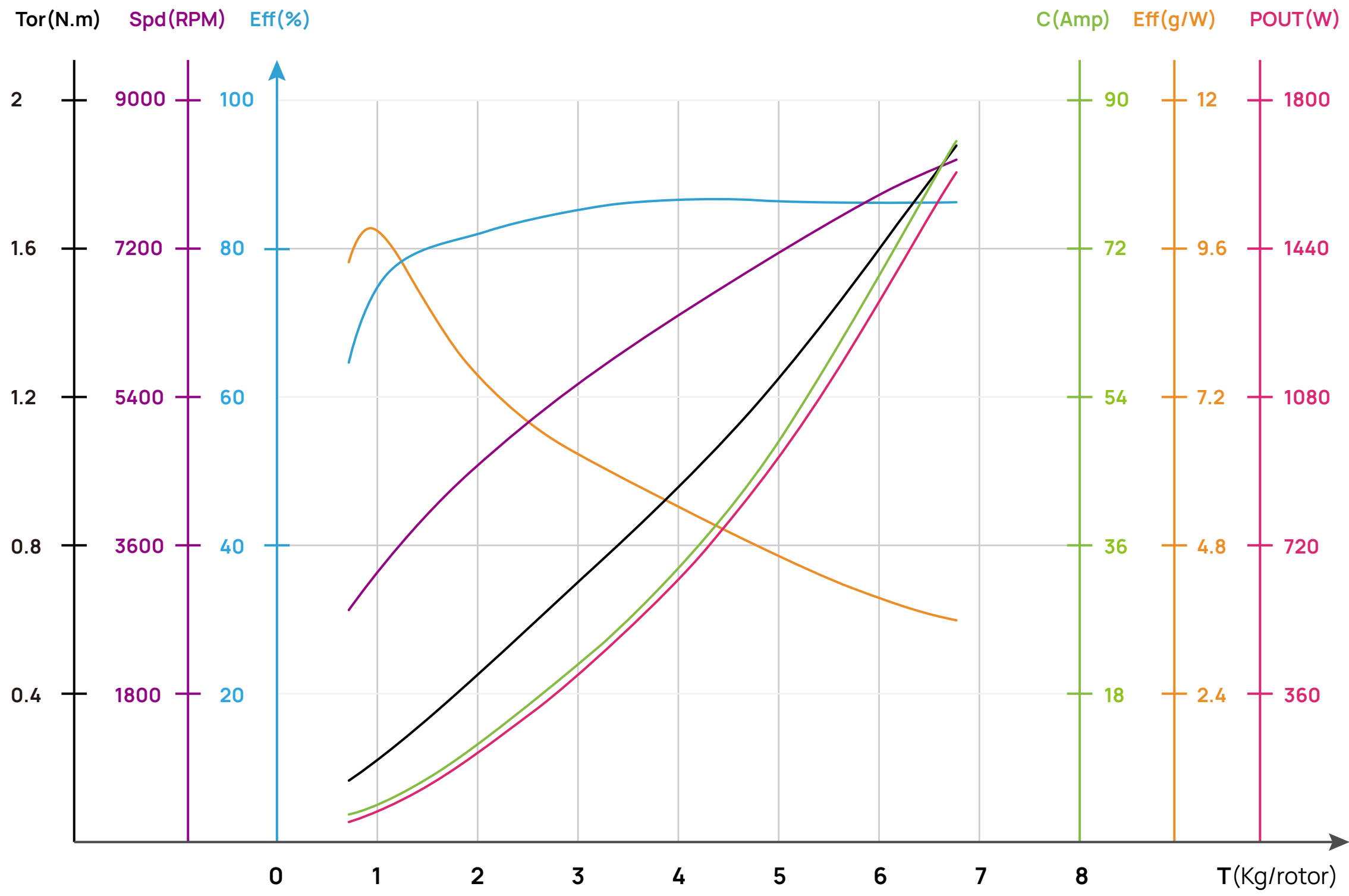
The motor temperature is the case temperature after 10 minutes of motor operation under full throttle open environment.

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.

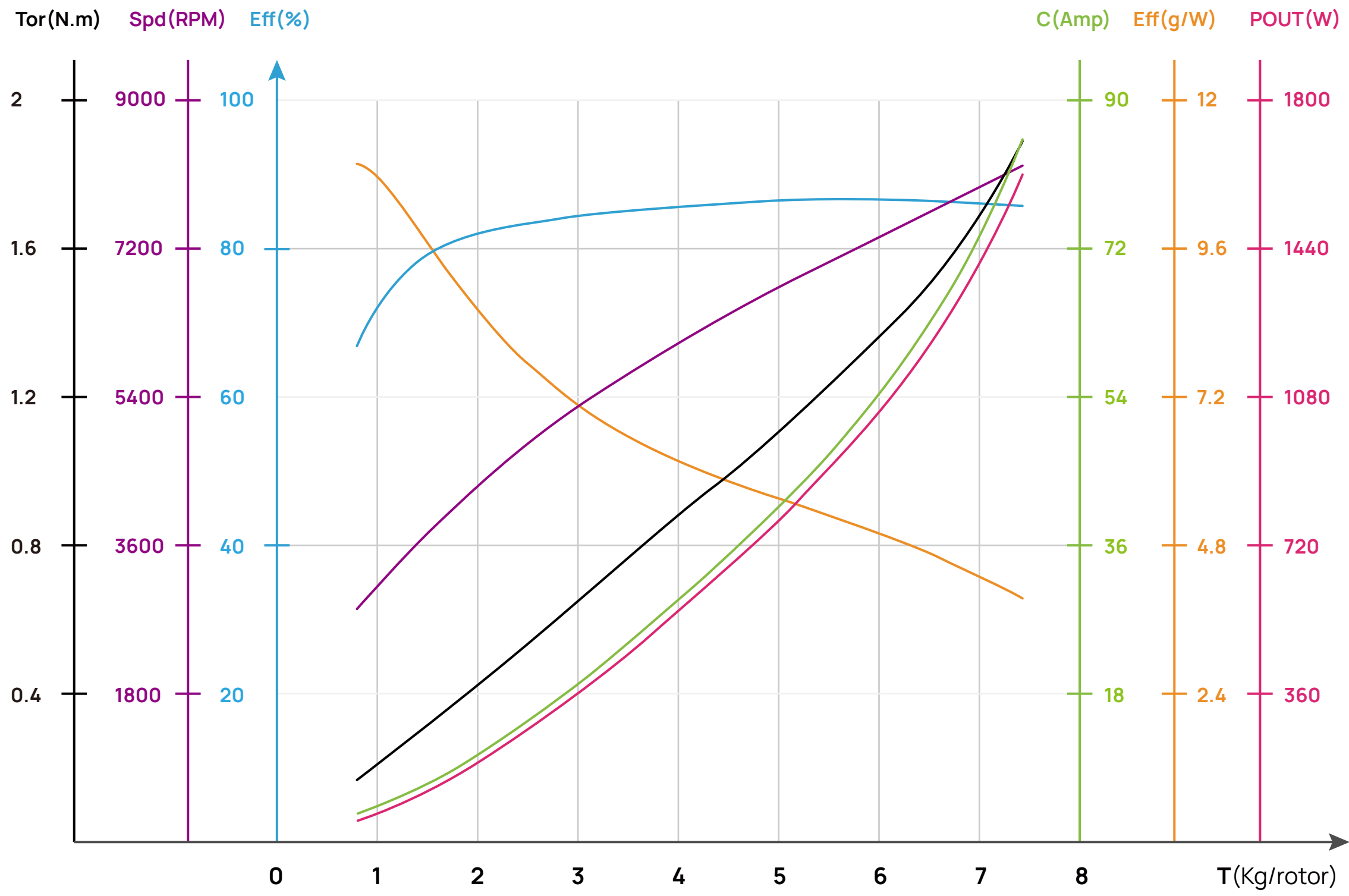


Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Temperature(°C) 电机机壳温度
22.2V (6S LIPO)	APC16x8E Propeller	33%	847	3.6	80.5	3134	10.5	0.18	70°C 10min
		35%	960	4.2	93.3	3324	10.3	0.20	
		37%	1071	4.8	106.8	3502	10.0	0.22	
		39%	1182	5.5	121.2	3673	9.7	0.25	
		42%	1350	6.5	144.9	3920	9.3	0.28	
		45%	1524	7.7	171.2	4160	8.9	0.32	
		48%	1707	9.0	200.9	4397	8.5	0.36	
		51%	1901	10.5	234.2	4634	8.1	0.40	
		54%	2108	12.2	271.8	4872	7.8	0.45	
		57%	2329	14.1	313.9	5111	7.4	0.50	
		60%	2564	16.2	361.1	5352	7.1	0.55	
		63%	2814	18.6	413.6	5594	6.8	0.61	
		66%	3078	21.2	471.7	5837	6.5	0.66	
		69%	3355	24.1	535.8	6080	6.3	0.73	
		72%	3646	27.3	606.3	6324	6.0	0.80	
		75%	3949	30.8	683.7	6569	5.8	0.87	
		78%	4262	34.6	768.3	6812	5.5	0.94	
81%	4585	38.8	860.9	7054	5.3	1.02			
84%	4916	43.3	961.8	7294	5.1	1.10			
87%	5255	48.3	1071.7	7529	4.9	1.19			
90%	5601	53.7	1190.9	7757	4.7	1.29			
100%	6733	73.6	1633.0	8410	4.1	1.63			



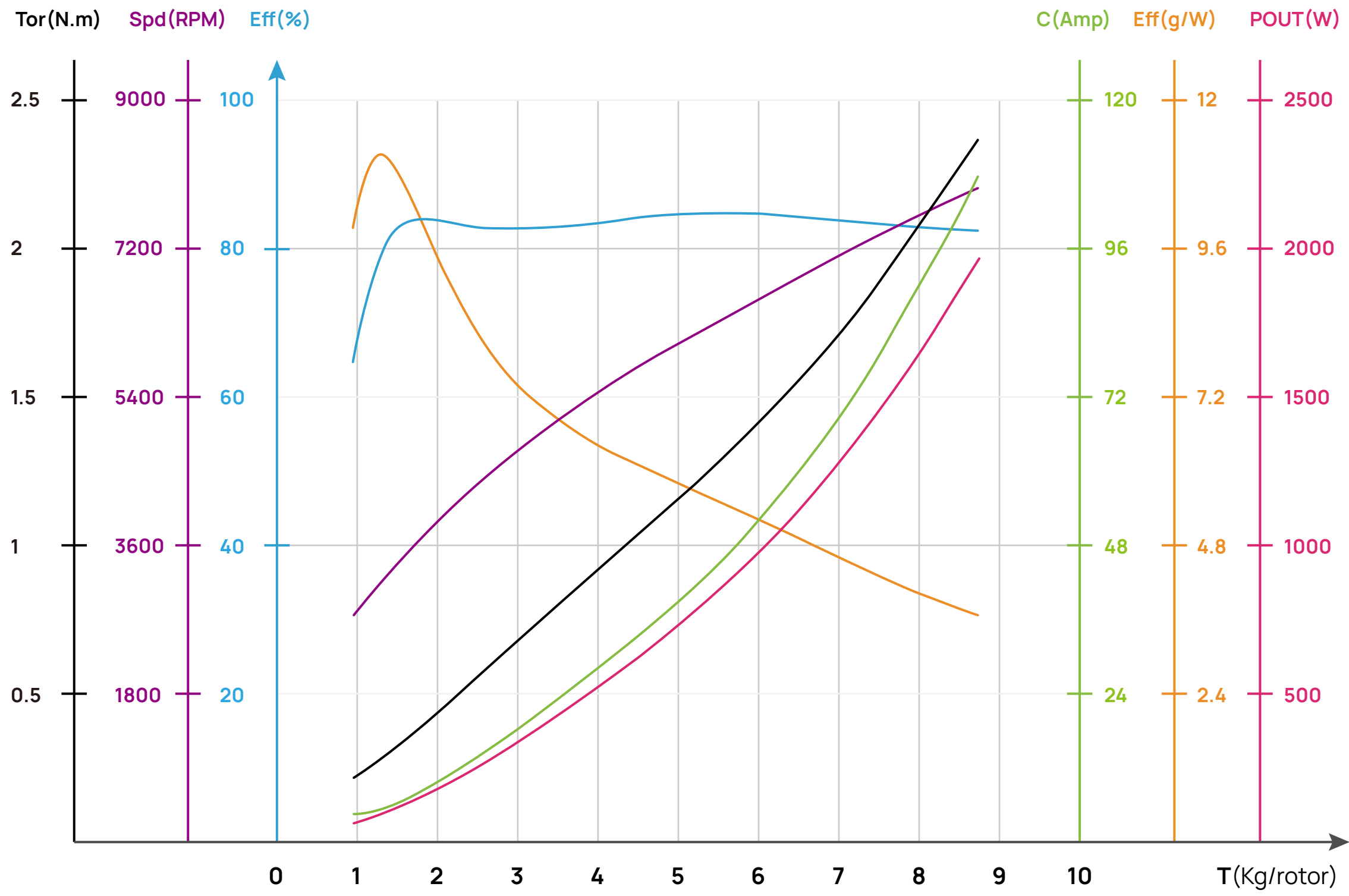


Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N.m) 扭矩	Temperature(°C) 电机机壳温度
22.2V (6S LIPO)	APC16x10E Propeller	33%	885	4.0	89.4	3096	9.9	0.20	80°C 3min44s
		35%	1012	4.6	102.6	3293	9.9	0.22	
		37%	1133	5.3	117.6	3474	9.6	0.25	
		39%	1251	6.0	134.0	3643	9.3	0.28	
		42%	1428	7.3	161.4	3884	8.8	0.32	
		45%	1610	8.7	192.4	4119	8.4	0.36	
		48%	1803	10.2	227.6	4353	7.9	0.41	
		51%	2008	12.0	267.2	4588	7.5	0.46	
		54%	2228	14.0	311.5	4825	7.2	0.51	
		57%	2464	16.2	360.7	5064	6.8	0.57	
		60%	2714	18.7	415.0	5303	6.5	0.63	
		63%	2978	21.3	474.4	5542	6.3	0.70	
		66%	3254	24.3	539.7	5780	6.0	0.76	
		69%	3541	27.5	611.6	6017	5.8	0.84	
		72%	3835	31.1	690.9	6253	5.6	0.91	
		75%	4135	35.1	779.0	6487	5.3	0.99	
		78%	4438	39.5	876.8	6721	5.1	1.08	
		81%	4745	44.3	985.1	6953	4.8	1.17	
		84%	5055	49.7	1104.6	7184	4.6	1.27	
		87%	5367	55.6	1235.5	7412	4.3	1.37	
90%	5684	62.1	1377.5	7636	4.1	1.48			
100%	6766	85.0	1885.4	8271	3.6	1.88			



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
<b>22.2V (6S LIPO)</b>	<b>APC17x8E Propeller</b>	33%	988	4.1	91.6	3072	10.8	0.20	80°C 3min6s
		35%	1129	4.8	107.2	3262	10.5	0.23	
		37%	1267	5.6	123.9	3443	10.2	0.26	
		39%	1405	6.4	141.7	3617	9.9	0.29	
		42%	1610	7.7	170.7	3868	9.4	0.34	
		45%	1819	9.1	202.7	4111	9.0	0.38	
		48%	2032	10.7	238.1	4348	8.5	0.43	
		51%	2255	12.5	277.5	4582	8.1	0.48	
		54%	2490	14.5	321.6	4815	7.7	0.53	
		57%	2739	16.7	370.9	5049	7.4	0.59	
		60%	3005	19.2	426.0	5284	7.1	0.65	
		63%	3289	21.9	487.4	5520	6.7	0.71	
		66%	3592	25.0	555.3	5757	6.5	0.78	
		69%	3914	28.3	629.9	5994	6.2	0.86	
		72%	4255	32.0	711.5	6230	6.0	0.94	
		75%	4613	36.0	800.4	6466	5.8	1.02	
		78%	4984	40.4	897.1	6703	5.6	1.10	
		81%	5364	45.1	1003.0	6939	5.3	1.19	
		84%	5748	50.4	1119.7	7174	5.1	1.29	
		87%	6127	56.3	1249.3	7406	4.9	1.39	
90%	6494	62.7	1392.7	7631	4.7	1.50			
100%	7433	85.2	1889.6	8206	3.9	1.89			





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)	APC18x8E Propeller	33%	1180	4.8	107.2	3024	11.0	0.26	80°C 1min4s
		35%	1351	5.5	121.8	3219	11.1	0.29	
		37%	1517	6.3	140.2	3401	10.8	0.33	
		39%	1680	7.3	161.7	3573	10.4	0.36	
		42%	1923	8.9	198.9	3818	9.7	0.42	
		45%	2170	10.9	241.6	4054	9.0	0.47	
		48%	2427	13.0	289.9	4285	8.4	0.54	
		51%	2697	15.5	343.6	4514	7.8	0.60	
		54%	2983	18.1	402.8	4742	7.4	0.67	
		57%	3286	21.0	467.4	4970	7.0	0.74	
		60%	3608	24.2	537.3	5196	6.7	0.82	
		63%	3948	27.6	612.9	5422	6.4	0.90	
		66%	4306	31.3	694.6	5645	6.2	0.99	
		69%	4679	35.3	783.5	5867	6.0	1.08	
		72%	5067	39.7	881.3	6087	5.7	1.17	
		75%	5467	44.6	990.1	6306	5.5	1.27	
		78%	5874	50.1	1112.1	6524	5.3	1.38	
		81%	6287	56.3	1249.3	6740	5.0	1.50	
		84%	6702	63.2	1402.9	6955	4.8	1.62	
		87%	7115	70.9	1572.6	7167	4.5	1.75	
90%	7522	79.2	1756.8	7372	4.3	1.90			
100%	8730	107.6	2384.0	7940	3.7	2.36			

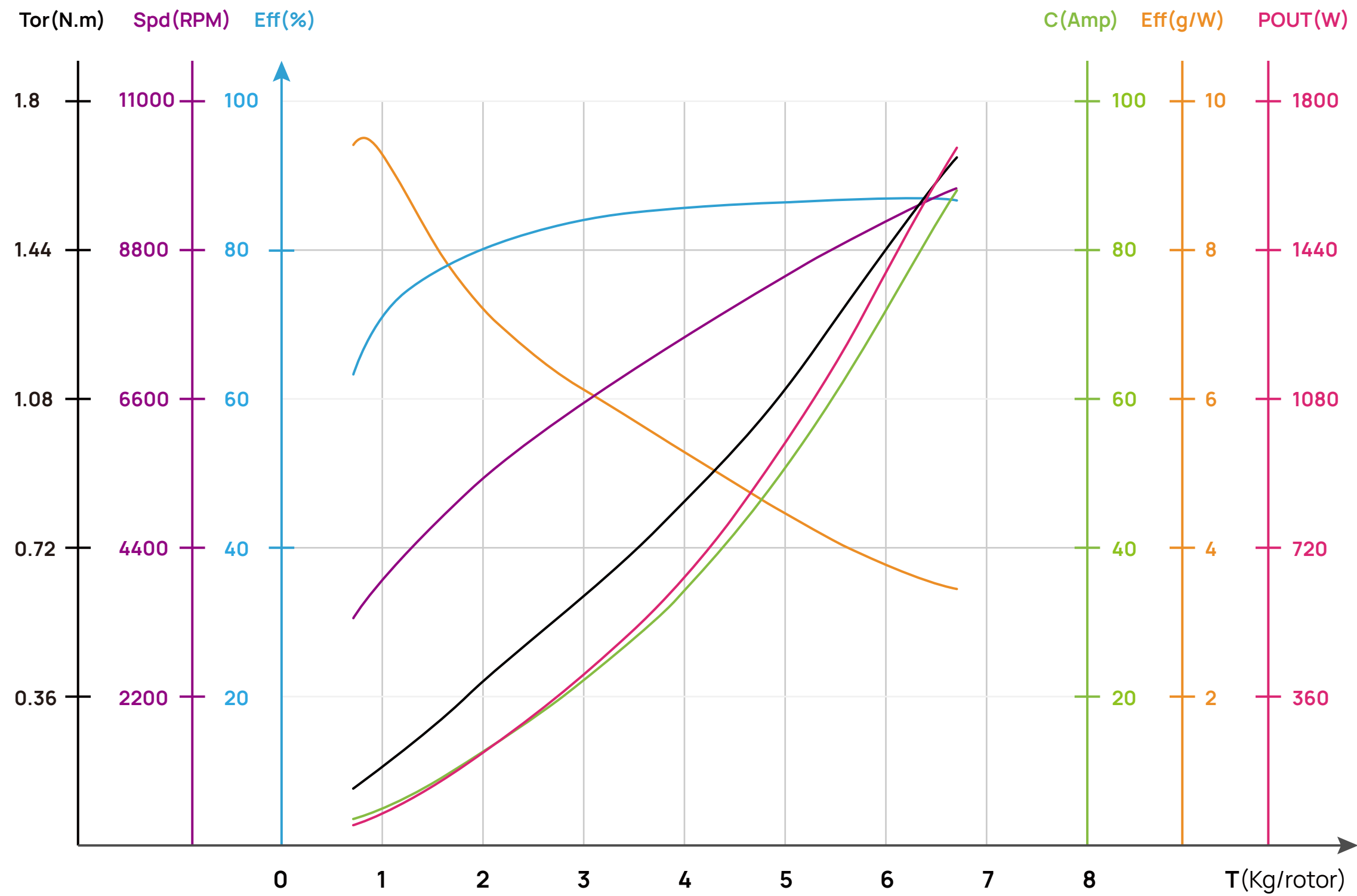
# PLATINUM 4130SL 490KV

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。

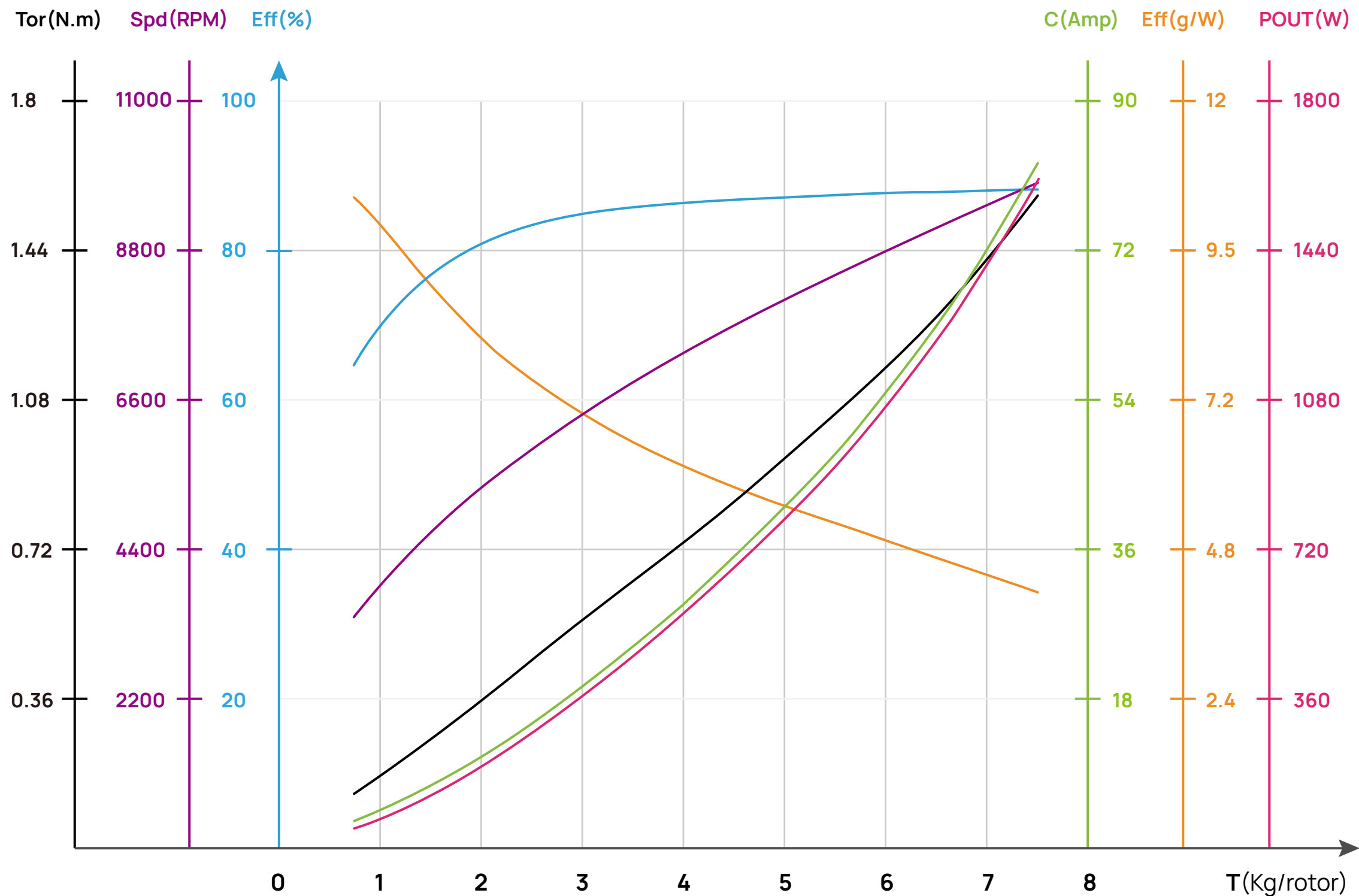
The following data was measured at room temperature of 25°C and sea level by changing the input throttle.

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

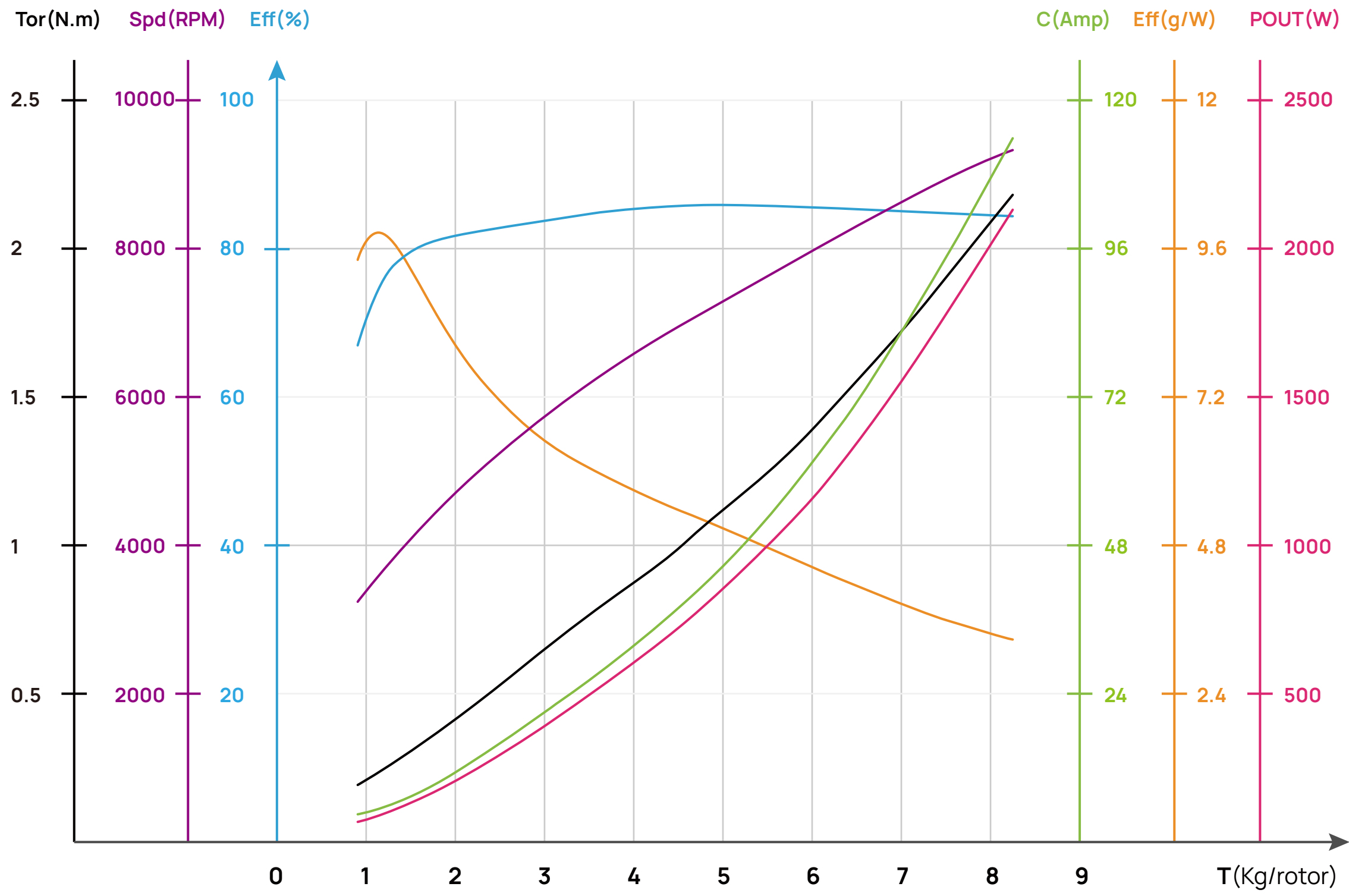
The maximum power continuous running time will be shorter in a bad heat dissipation environment, and the full throttle running time should be controlled, otherwise there is the risk of burning the motor.



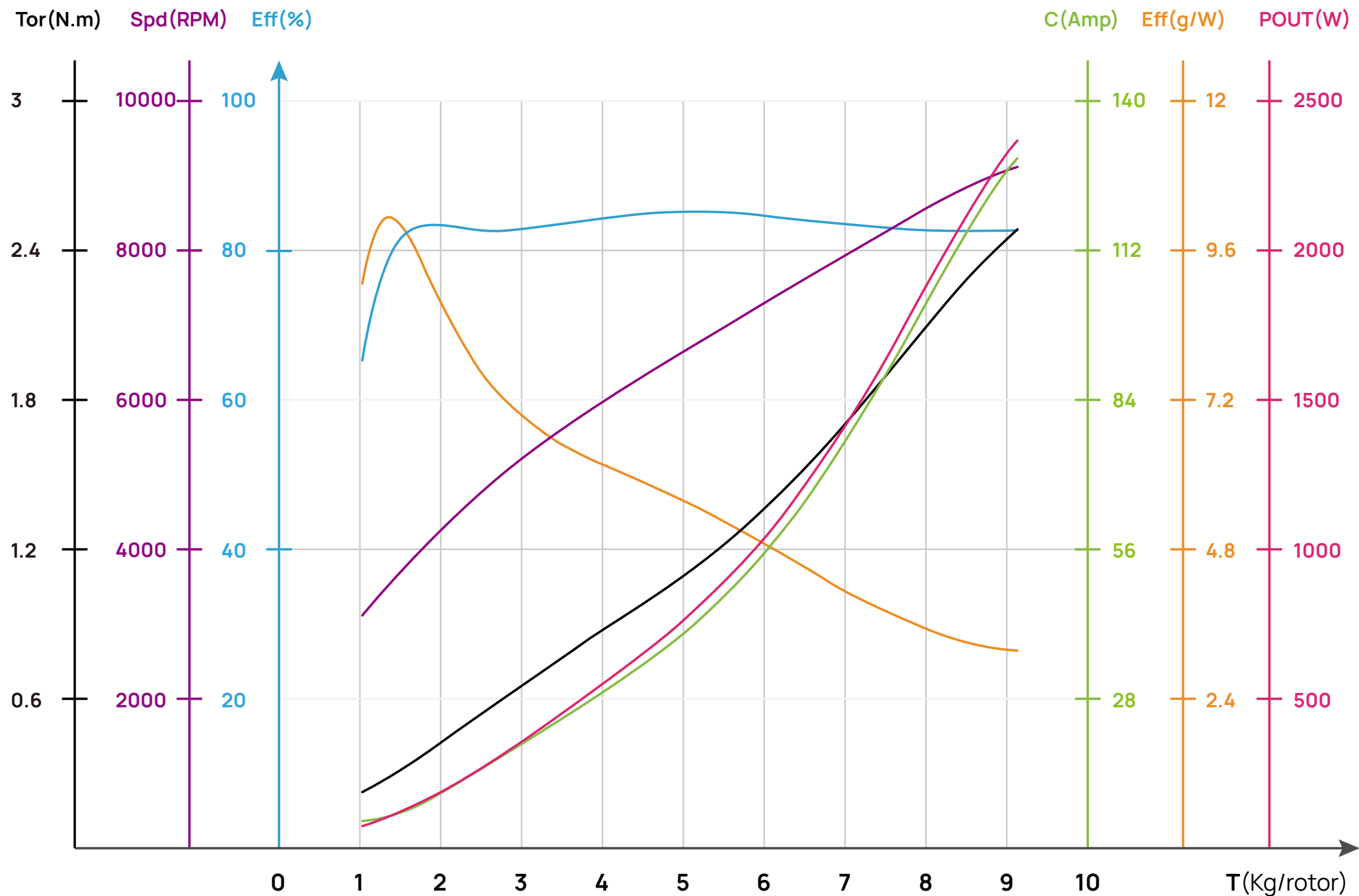
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Temperature(°C) 电机机壳温度
22.2V (6S LIPO)	APC15x8E Propeller	33%	878	4.2	92.7	3676	9.5	0.16	80°C 4min26s
		35%	995	4.8	107.1	3894	9.3	0.19	
		37%	1105	5.5	122.0	4089	9.1	0.21	
		39%	1211	6.2	137.6	4268	8.8	0.23	
		42%	1370	7.3	162.8	4524	8.4	0.26	
		45%	1538	8.6	191.4	4778	8.0	0.30	
		48%	1722	10.1	224.3	5037	7.7	0.33	
		51%	1923	11.8	262.3	5306	7.3	0.38	
		54%	2145	13.8	305.9	5583	7.0	0.42	
		57%	2388	16.0	355.4	5867	6.7	0.47	
		60%	2648	18.5	410.9	6157	6.4	0.53	
		63%	2925	21.3	472.7	6449	6.2	0.59	
		66%	3214	24.3	541.4	6741	5.9	0.65	
		69%	3512	27.8	617.6	7033	5.7	0.71	
		72%	3814	31.6	702.1	7322	5.4	0.78	
		75%	4119	35.8	795.6	7606	5.2	0.86	
		78%	4422	40.4	898.5	7884	4.9	0.94	
		81%	4724	45.5	1011.1	8154	4.7	1.02	
84%	5023	51.0	1133.4	8417	4.4	1.11			
87%	5322	57.0	1265.8	8672	4.2	1.21			
90%	5625	63.5	1409.1	8922	4.0	1.31			
100%	6706	87.9	1950.0	9705	3.4	1.66			



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
22.2V (6S LIPO)	APC16x6E Propeller	33%	910	4.0	89.2	3686	10.2	0.16	80°C 8min19s
		35%	1029	4.6	103.2	3894	10.0	0.18	
		37%	1145	5.3	117.6	4088	9.7	0.20	
		39%	1261	6.0	132.5	4272	9.5	0.22	
		42%	1437	7.0	156.7	4539	9.2	0.25	
		45%	1622	8.3	183.7	4803	8.8	0.28	
		48%	1820	9.6	214.5	5069	8.5	0.32	
		51%	2036	11.2	250.0	5341	8.1	0.36	
		54%	2271	13.1	290.7	5618	7.8	0.41	
		57%	2526	15.2	337.4	5900	7.5	0.46	
		60%	2801	17.6	390.5	6187	7.2	0.51	
		63%	3096	20.2	450.3	6476	6.9	0.56	
		66%	3410	23.2	517.1	6768	6.6	0.62	
		69%	3740	26.6	590.9	7059	6.3	0.69	
		72%	4084	30.2	671.9	7350	6.1	0.75	
		75%	4440	34.2	760.2	7638	5.8	0.82	
		78%	4806	38.5	856.0	7923	5.6	0.90	
		81%	5179	43.2	959.6	8203	5.4	0.97	
		84%	5556	48.2	1071.7	8476	5.2	1.05	
		87%	5935	53.7	1193.0	8743	5.0	1.14	
90%	6314	59.6	1324.7	9002	4.8	1.23			
100%	7511	82.4	1830.8	9790	4.1	1.57			



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)	APC16x8E Propeller	33%	1132	5.2	115.0	3567	9.8	0.23	80°C 1min26s
		35%	1288	6.0	132.7	3789	9.7	0.26	
		37%	1431	6.8	151.9	3985	9.4	0.29	
		39%	1566	7.7	172.4	4164	9.1	0.32	
		42%	1766	9.2	205.8	4417	8.6	0.36	
		45%	1971	10.9	243.6	4666	8.1	0.41	
		48%	2193	12.9	287.2	4919	7.6	0.46	
		51%	2436	15.2	337.7	5182	7.2	0.51	
		54%	2703	17.8	395.7	5453	6.8	0.58	
		57%	2995	20.7	461.4	5732	6.5	0.64	
		60%	3312	24.1	534.9	6013	6.2	0.72	
		63%	3650	27.7	616.2	6294	5.9	0.79	
		66%	4005	31.7	705.6	6573	5.7	0.87	
		69%	4374	36.2	803.9	6847	5.4	0.96	
		72%	4751	41.0	912.3	7115	5.2	1.05	
		75%	5132	46.4	1032.1	7379	5.0	1.15	
		78%	5513	52.4	1164.4	7638	4.7	1.25	
		81%	5892	59.0	1309.9	7892	4.5	1.36	
		84%	6266	66.1	1468.7	8140	4.3	1.47	
		87%	6636	73.9	1641.1	8384	4.0	1.59	
90%	7005	82.3	1827.4	8621	3.8	1.72			
100%	8250	113.9	2525.7	9321	3.3	2.18			



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)	APC17x8E Propeller	33%	1340	5.9	132.3	3508	10.1	0.28	80°C 55s
		35%	1537	6.9	154.4	3748	10.0	0.32	
		37%	1709	8.0	178.7	3948	9.6	0.36	
		39%	1865	9.2	204.1	4123	9.1	0.39	
		42%	2089	11.0	244.5	4362	8.5	0.44	
		45%	2319	13.0	289.5	4595	8.0	0.50	
		48%	2570	15.3	341.0	4835	7.5	0.56	
		51%	2850	18.0	400.4	5087	7.1	0.62	
		54%	3164	21.0	467.5	5351	6.8	0.69	
		57%	3510	24.4	542.1	5624	6.5	0.77	
		60%	3885	28.1	624.0	5900	6.2	0.85	
		63%	4282	32.1	713.8	6177	6.0	0.93	
		66%	4692	36.6	813.6	6450	5.8	1.02	
		69%	5107	41.7	926.3	6719	5.5	1.12	
		72%	5518	47.4	1054.0	6983	5.2	1.23	
		75%	5919	53.9	1197.5	7239	4.9	1.34	
		78%	6305	61.0	1355.7	7486	4.7	1.46	
		81%	6672	68.7	1526.1	7724	4.4	1.58	
		84%	7024	76.8	1706.5	7952	4.1	1.71	
		87%	7368	85.4	1896.7	8173	3.9	1.84	
90%	7716	94.6	2099.7	8392	3.7	1.98			
100%	9121	129.3	2867.4	9121	3.2	2.48			