



LOAD PERFORMANCE PARAMETERS

负载性能参数

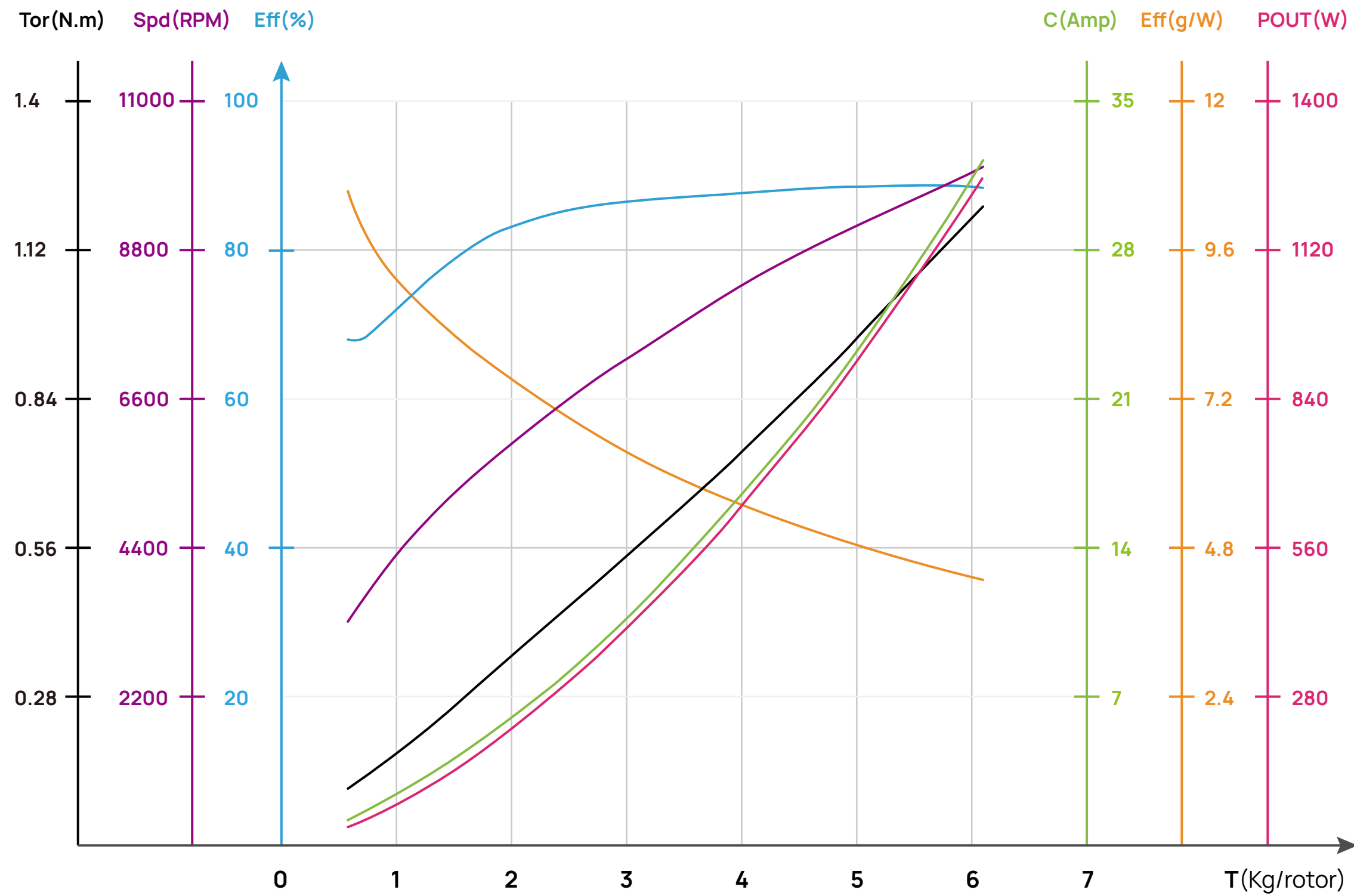
PLATINUM 4120SL 250KV

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。

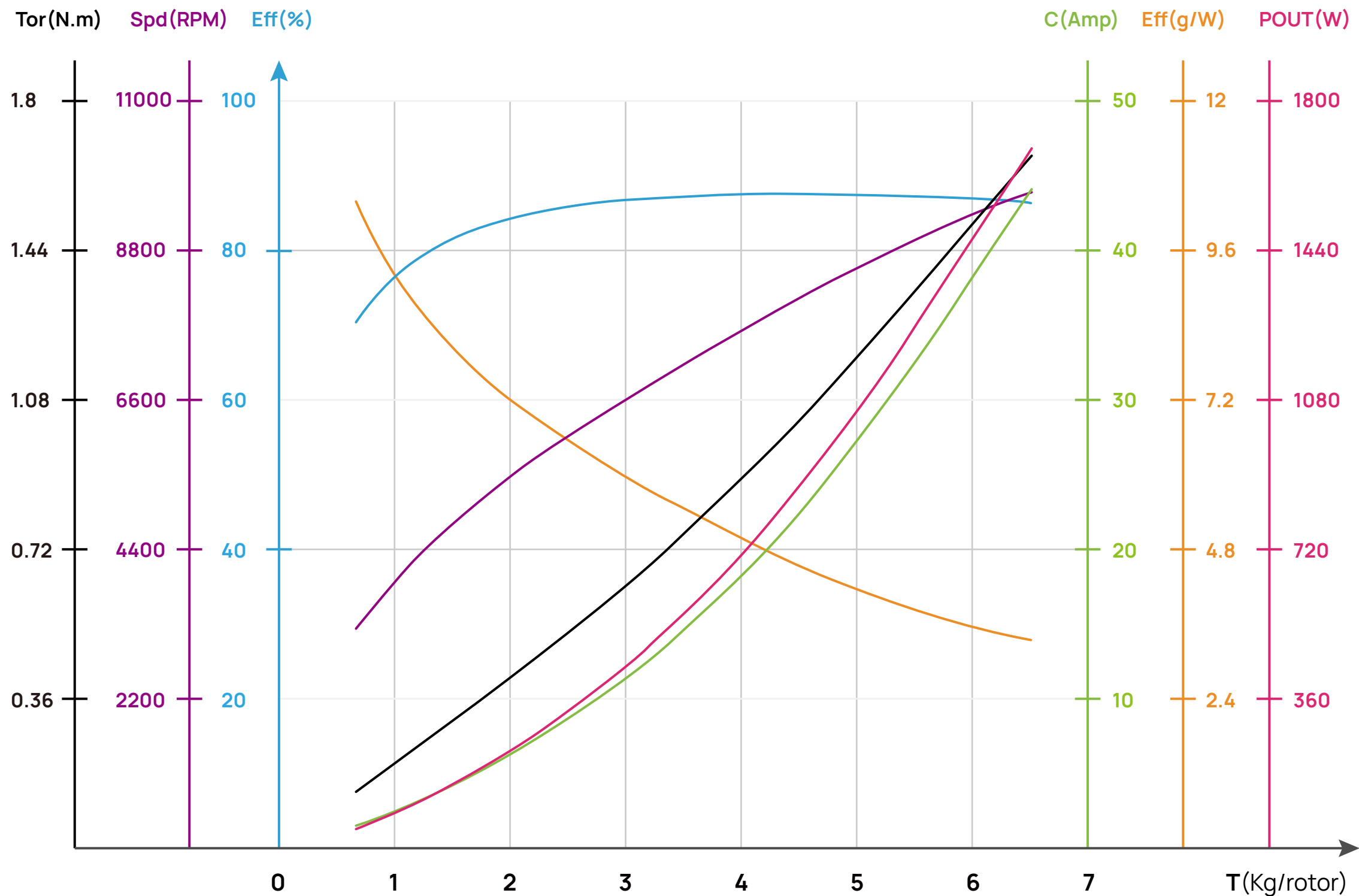
The following data was measured at room temperature of 25°C and sea level by changing the input throttle.

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

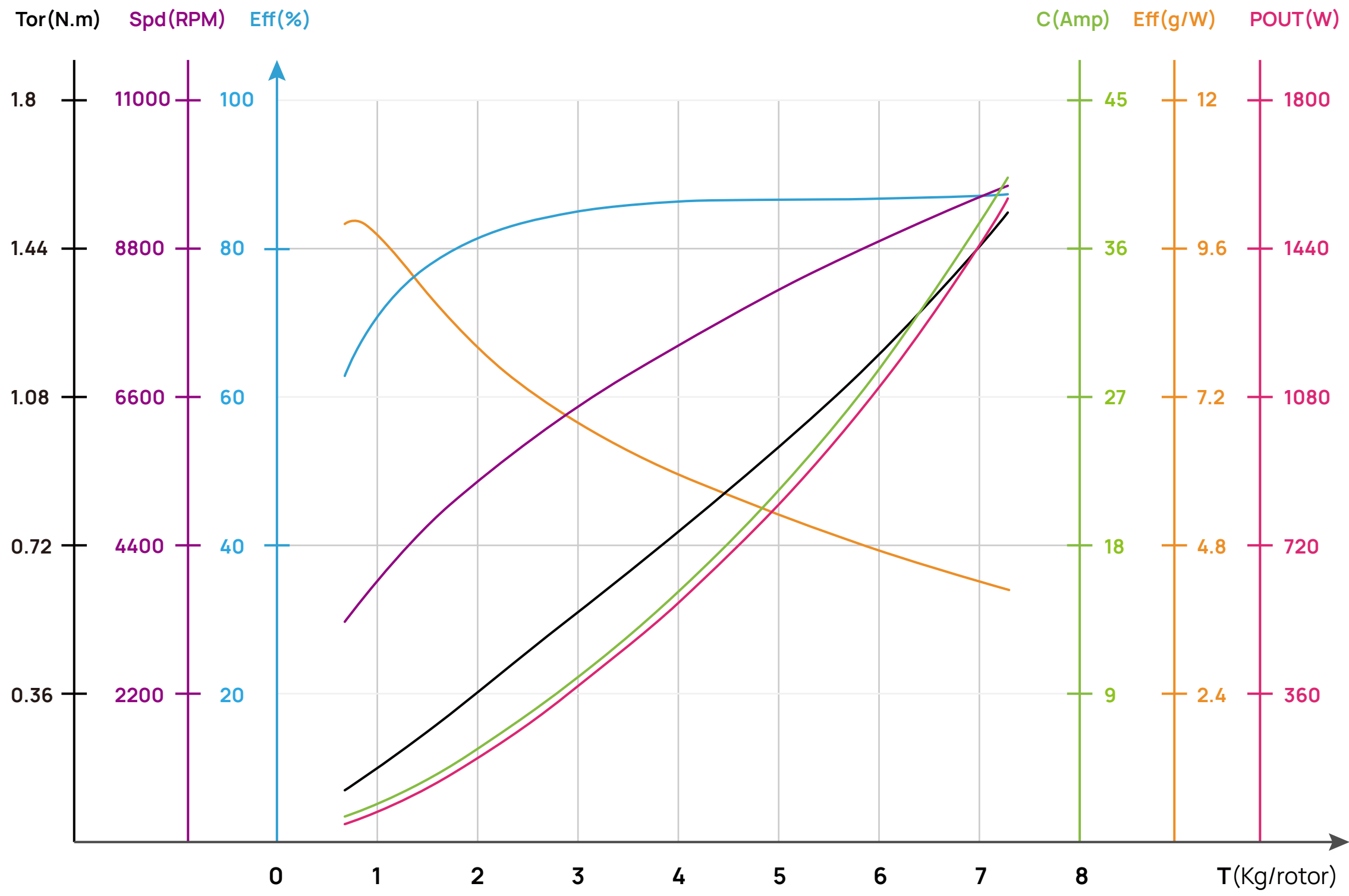
The maximum power continuous running time will be shorter in a bad heat dissipation environment, and the full throttle running time should be controlled, otherwise there is the risk of burning the motor.



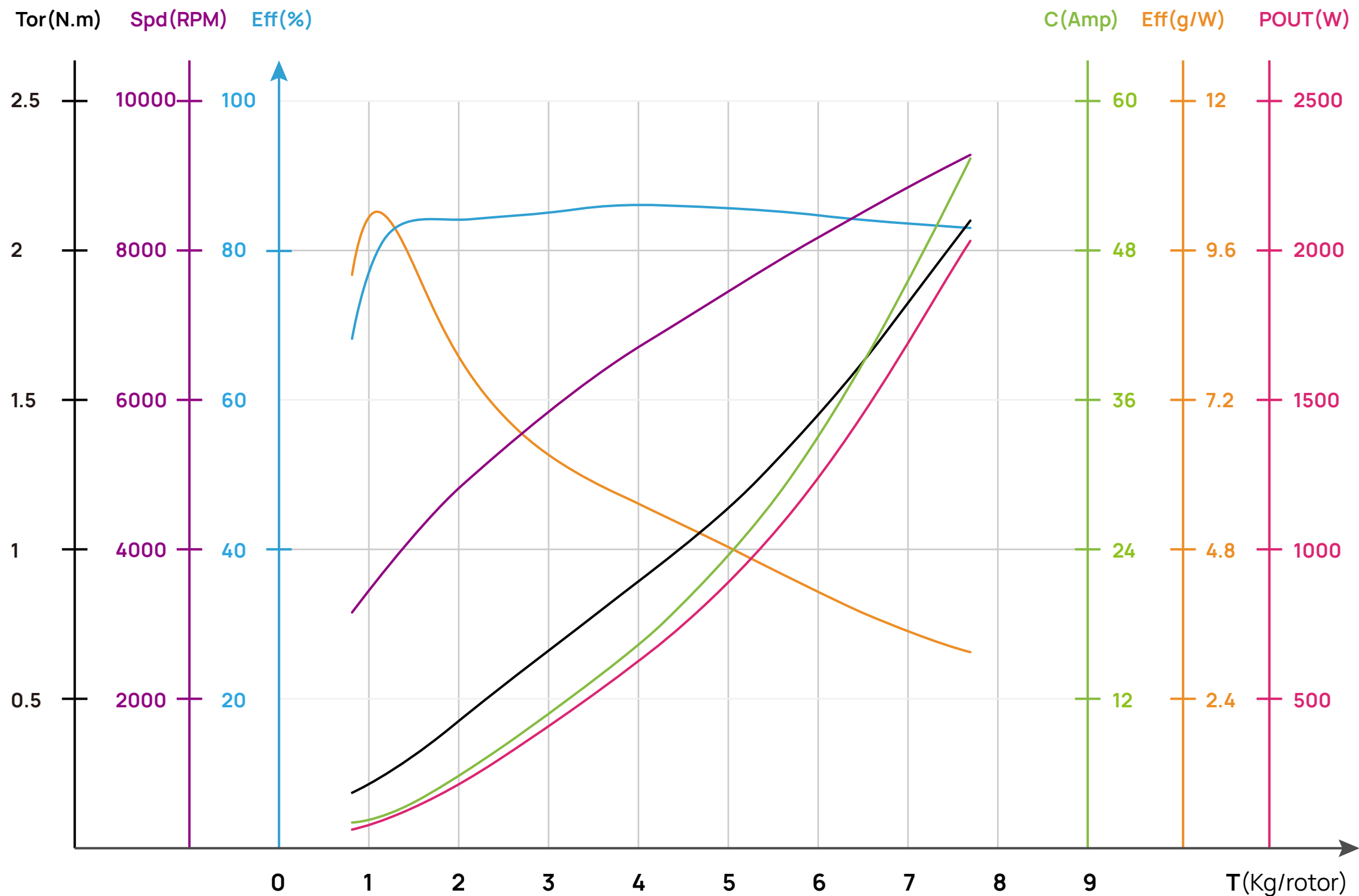
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Temperature(°C) 电机机壳温度
44.4V (12S LIPO)	APC15x6E Propeller	33%	692	1.6	69.5	3607	10.0	0.12	75°C 10min
		35%	782	1.8	81.2	3822	9.6	0.14	
		37%	873	2.1	93.1	4027	9.4	0.15	
		39%	965	2.4	105.4	4225	9.2	0.17	
		42%	1109	2.8	125.2	4513	8.9	0.19	
		45%	1261	3.3	146.9	4796	8.6	0.22	
		48%	1424	3.9	171.3	5077	8.3	0.25	
		51%	1600	4.5	199.0	5359	8.0	0.28	
		54%	1790	5.2	230.4	5643	7.8	0.32	
		57%	1994	6.0	266.2	5930	7.5	0.36	
		60%	2212	6.9	306.8	6221	7.2	0.40	
		63%	2443	8.0	352.7	6516	6.9	0.44	
		66%	2688	9.1	404.4	6815	6.6	0.48	
		69%	2946	10.4	461.9	7118	6.4	0.53	
		72%	3214	11.8	525.6	7424	6.1	0.58	
		75%	3494	13.4	595.4	7730	5.9	0.64	
		78%	3783	15.1	671.3	8033	5.6	0.69	
81%	4081	17.0	753.3	8330	5.4	0.75			
84%	4387	19.0	841.5	8616	5.2	0.82			
87%	4701	21.1	936.2	8890	5.0	0.88			
90%	5022	23.4	1037.9	9152	4.8	0.95			
100%	6095	32.1	1423.7	9998	4.3	1.20			



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)	APC15x8E Propeller	33%	822	1.9	84.3	3560	9.8	0.17	80°C 1min10s
		35%	935	2.2	99.7	3791	9.4	0.19	
		37%	1040	2.6	114.6	3994	9.1	0.21	
		39%	1142	2.9	129.7	4180	8.8	0.23	
		42%	1295	3.5	153.4	4443	8.4	0.26	
		45%	1456	4.0	179.8	4701	8.1	0.30	
		48%	1633	4.7	210.1	4964	7.8	0.33	
		51%	1827	5.5	245.3	5234	7.4	0.37	
		54%	2041	6.5	286.5	5511	7.1	0.42	
		57%	2275	7.5	334.2	5796	6.8	0.47	
		60%	2526	8.8	389.2	6085	6.5	0.52	
		63%	2793	10.2	451.9	6379	6.2	0.58	
		66%	3070	11.8	522.8	6675	5.9	0.65	
		69%	3356	13.6	602.1	6971	5.6	0.72	
		72%	3646	15.5	689.8	7265	5.3	0.79	
		75%	3938	17.7	785.9	7554	5.0	0.87	
		78%	4229	20.1	890.1	7836	4.8	0.95	
		81%	4519	22.6	1002.2	8109	4.5	1.03	
		84%	4808	25.3	1122.4	8371	4.3	1.12	
		87%	5099	28.2	1251.6	8624	4.1	1.21	
90%	5399	31.4	1391.9	8869	3.9	1.31			
100%	6508	44.0	1953.3	9645	3.3	1.67			



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%	834	1.9	83.1	3569	10.0	0.15	80°C 1min58s
		35%	951	2.2	96.0	3789	9.9	0.17	
		37%	1065	2.5	109.5	3991	9.7	0.19	
		39%	1177	2.8	123.6	4181	9.5	0.21	
		42%	1347	3.3	146.7	4455	9.2	0.24	
		45%	1526	3.9	172.8	4724	8.8	0.27	
		48%	1719	4.6	202.9	4994	8.5	0.31	
		51%	1928	5.4	237.7	5269	8.1	0.35	
		54%	2157	6.3	277.8	5550	7.8	0.39	
		57%	2406	7.3	323.7	5836	7.4	0.44	
		60%	2674	8.5	375.9	6126	7.1	0.49	
		63%	2960	9.8	434.6	6419	6.8	0.55	
		66%	3264	11.3	500.0	6714	6.5	0.61	
		69%	3583	12.9	572.2	7010	6.3	0.67	
		72%	3915	14.7	651.6	7305	6.0	0.73	
		75%	4257	16.6	738.3	7598	5.8	0.80	
		78%	4608	18.8	832.6	7886	5.5	0.87	
		81%	4965	21.1	935.1	8168	5.3	0.95	
		84%	5327	23.6	1046.1	8441	5.1	1.03	
		87%	5694	26.3	1166.3	8705	4.9	1.11	
90%	6065	29.2	1296.6	8960	4.7	1.20			
100%	7291	40.3	1789.2	9740	4.1	1.53			



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%	1029	2.3	101.0	3499	10.2	0.22	80°C 30s
		35%	1184	2.6	116.9	3735	10.1	0.24	
		37%	1324	3.0	134.8	3937	9.8	0.27	
		39%	1454	3.5	154.0	4119	9.4	0.30	
		42%	1642	4.2	185.6	4370	8.8	0.34	
		45%	1835	5.0	221.4	4614	8.3	0.39	
		48%	2043	5.9	263.0	4862	7.8	0.43	
		51%	2272	7.0	311.5	5120	7.3	0.49	
		54%	2526	8.3	367.4	5389	6.9	0.55	
		57%	2805	9.7	430.9	5667	6.5	0.62	
		60%	3108	11.3	501.9	5950	6.2	0.69	
		63%	3433	13.1	580.2	6236	5.9	0.76	
		66%	3774	15.0	666.5	6520	5.7	0.84	
		69%	4128	17.2	761.7	6800	5.4	0.92	
		72%	4488	19.5	867.4	7076	5.2	1.01	
		75%	4849	22.2	985.1	7344	4.9	1.10	
		78%	5208	25.2	1116.0	7605	4.7	1.20	
		81%	5560	28.4	1260.4	7857	4.4	1.30	
		84%	5905	32.0	1417.9	8100	4.2	1.41	
		87%	6242	35.8	1588.1	8334	3.9	1.53	
90%	6575	39.9	1770.8	8561	3.7	1.66			
100%	7694	55.3	2452.8	9263	3.1	2.10			

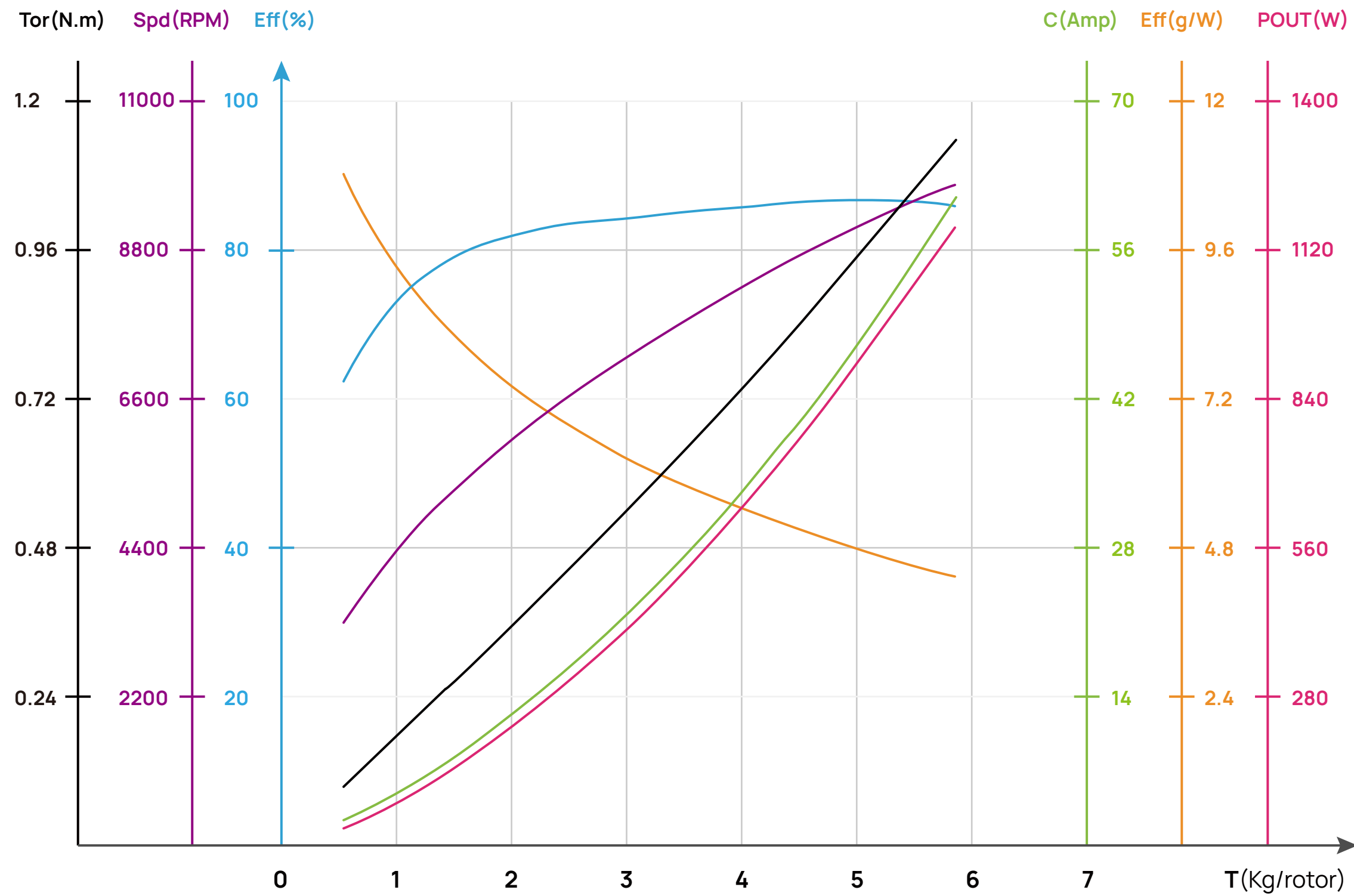
PLATINUM 4120SL 500KV

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。

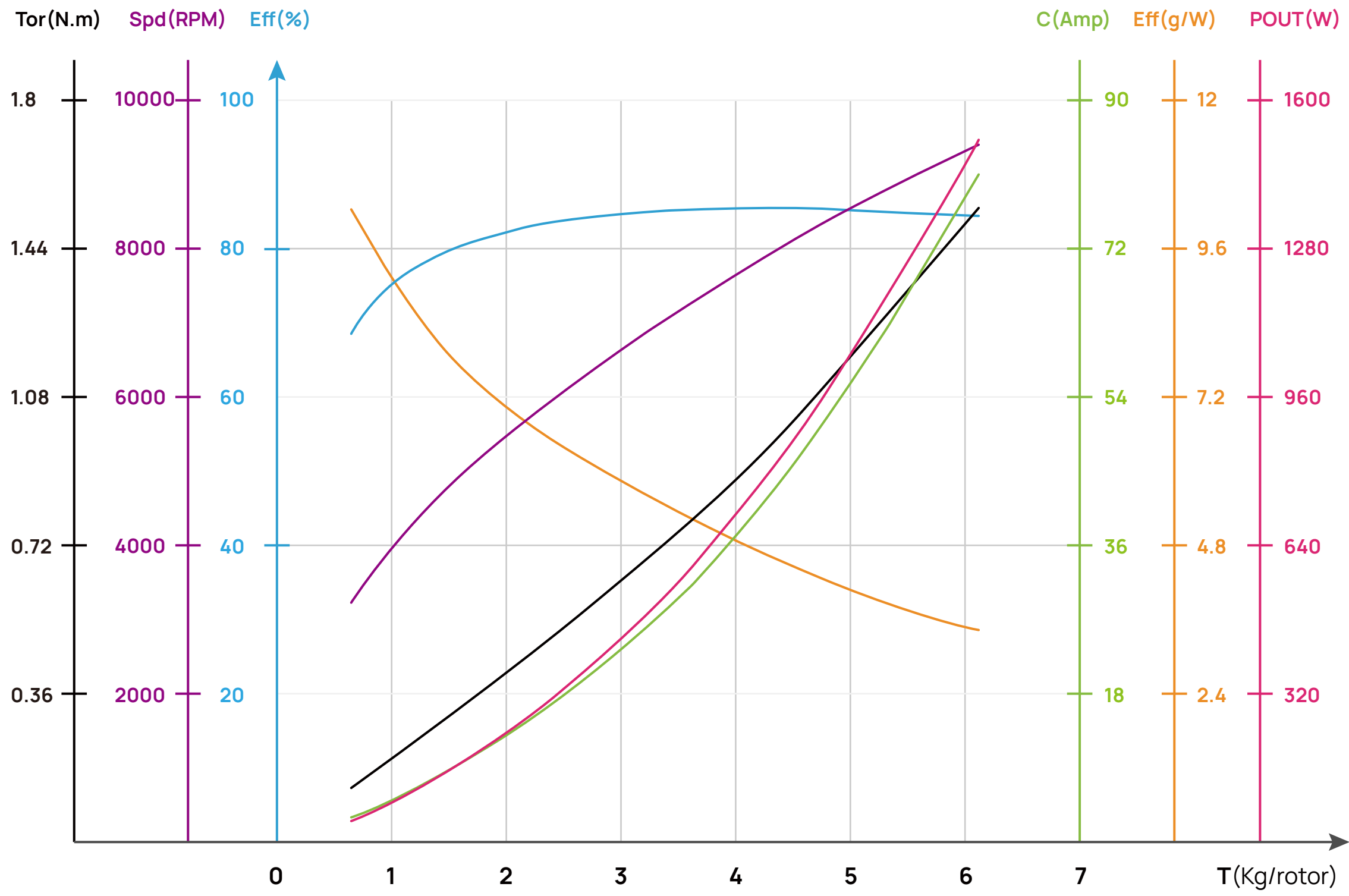
The following data was measured at room temperature of 25°C and sea level by changing the input throttle.

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

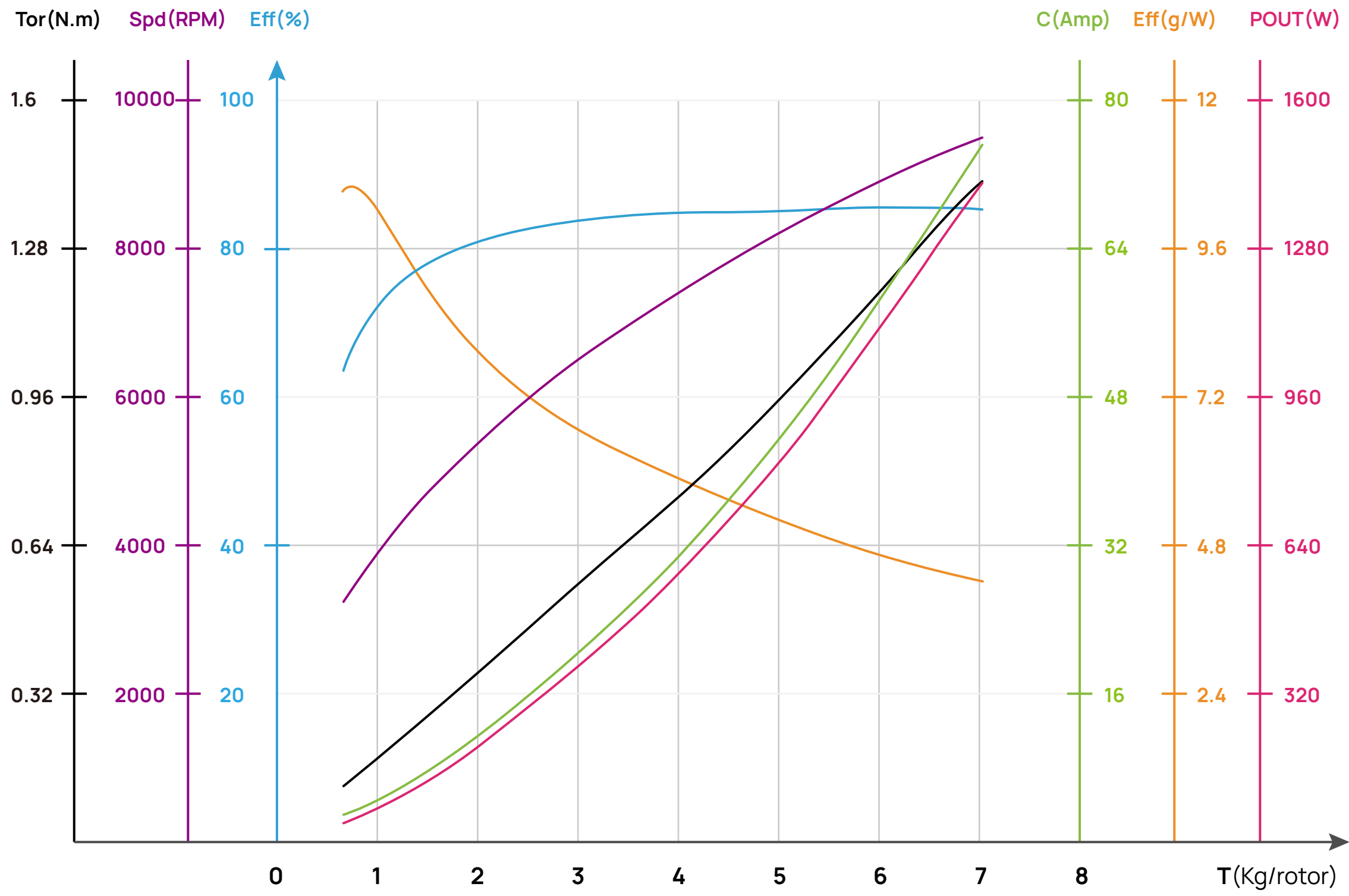
The maximum power continuous running time will be shorter in a bad heat dissipation environment, and the full throttle running time should be controlled, otherwise there is the risk of burning the motor.



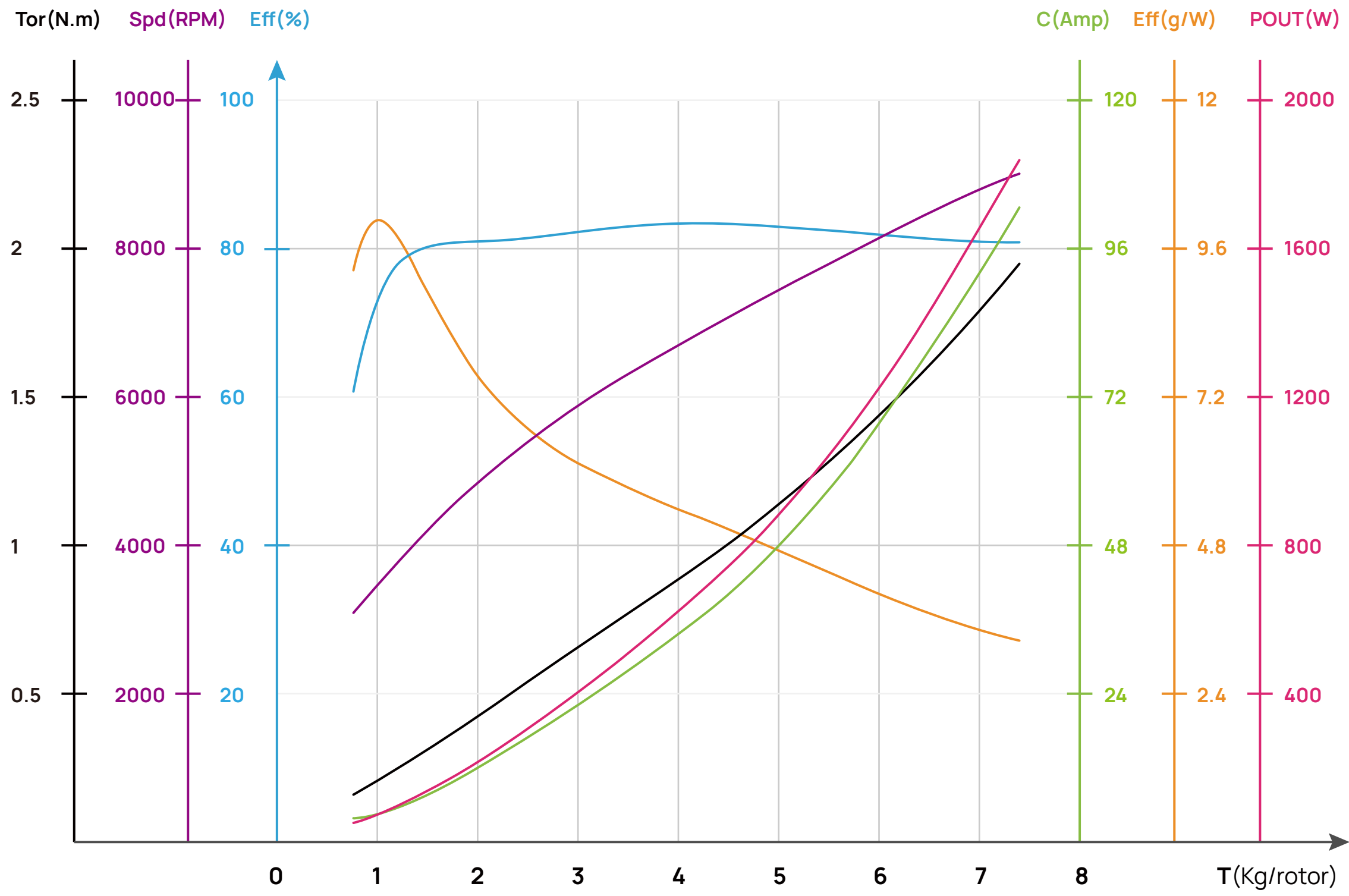
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Temperature(°C) 电机机壳温度
22.2V (6S LIPO)	APC15x6E Propeller	33%	698	3.0	67.5	3622	10.3	0.12	70°C 10min
		35%	789	3.5	78.6	3838	10.0	0.13	
		37%	875	4.0	89.6	4032	9.8	0.15	
		39%	959	4.5	100.8	4214	9.5	0.16	
		42%	1087	5.3	118.4	4476	9.2	0.19	
		45%	1222	6.2	137.9	4736	8.9	0.21	
		48%	1369	7.2	160.3	5000	8.5	0.24	
		51%	1531	8.4	186.2	5272	8.2	0.27	
		54%	1709	9.7	216.2	5552	7.9	0.30	
		57%	1904	11.3	250.8	5838	7.6	0.33	
		60%	2116	13.0	290.3	6128	7.3	0.37	
		63%	2342	15.1	335.0	6421	7.0	0.41	
		66%	2582	17.3	384.9	6714	6.7	0.46	
		69%	2833	19.8	440.1	7007	6.4	0.50	
		72%	3094	22.5	500.4	7299	6.2	0.55	
		75%	3362	25.4	565.8	7589	5.9	0.60	
		78%	3636	28.6	636.2	7875	5.7	0.66	
		81%	3916	32.0	711.7	8158	5.5	0.71	
84%	4201	35.7	792.7	8435	5.3	0.77			
87%	4493	39.6	880.0	8707	5.1	0.83			
90%	4795	43.9	974.8	8973	4.9	0.90			
100%	5869	61.0	1354.5	9770	4.3	1.14			



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%	792	3.6	81.0	3526	9.8	0.16	80°C 1min50s
		35%	895	4.3	94.6	3737	9.5	0.18	
		37%	995	4.9	108.8	3933	9.2	0.20	
		39%	1095	5.6	123.6	4117	8.9	0.22	
		42%	1249	6.6	147.8	4383	8.5	0.25	
		45%	1412	7.9	174.9	4644	8.1	0.28	
		48%	1587	9.3	205.8	4905	7.7	0.32	
		51%	1777	10.8	240.9	5169	7.4	0.36	
		54%	1982	12.6	281.0	5436	7.1	0.40	
		57%	2203	14.7	326.3	5707	6.7	0.45	
		60%	2437	17.0	377.4	5983	6.5	0.50	
		63%	2683	19.6	434.7	6262	6.2	0.56	
		66%	2940	22.4	498.6	6543	5.9	0.61	
		69%	3206	25.7	569.8	6827	5.6	0.68	
		72%	3477	29.2	648.6	7109	5.4	0.74	
		75%	3752	33.1	735.6	7388	5.1	0.81	
		78%	4030	37.4	830.9	7661	4.8	0.88	
		81%	4308	42.1	934.9	7925	4.6	0.96	
		84%	4588	47.2	1047.7	8179	4.4	1.04	
		87%	4869	52.7	1169.7	8422	4.2	1.13	
90%	5155	58.7	1301.3	8657	4.0	1.22			
100%	6129	80.9	1793.0	9405	3.4	1.54			



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%	829	3.5	78.5	3554	10.6	0.14	80°C 2min51s
		35%	943	4.1	90.9	3770	10.4	0.16	
		37%	1051	4.7	103.8	3965	10.1	0.18	
		39%	1156	5.3	117.3	4147	9.9	0.20	
		42%	1314	6.3	139.2	4407	9.4	0.23	
		45%	1479	7.4	164.0	4663	9.0	0.26	
		48%	1657	8.7	192.5	4922	8.6	0.30	
		51%	1852	10.2	225.6	5189	8.2	0.33	
		54%	2066	11.9	263.7	5463	7.8	0.37	
		57%	2300	13.8	307.4	5744	7.5	0.42	
		60%	2553	16.1	356.7	6028	7.2	0.47	
		63%	2823	18.5	411.7	6315	6.9	0.52	
		66%	3110	21.3	472.7	6601	6.6	0.57	
		69%	3411	24.3	539.6	6885	6.3	0.63	
		72%	3724	27.6	612.7	7167	6.1	0.69	
		75%	4046	31.2	692.4	7445	5.8	0.75	
		78%	4376	35.1	779.2	7718	5.6	0.82	
		81%	4712	39.4	873.7	7985	5.4	0.89	
		84%	5055	44.0	976.5	8247	5.2	0.96	
		87%	5406	49.0	1088.3	8502	5.0	1.04	
90%	5766	54.5	1210.1	8752	4.8	1.13			
100%	7032	75.2	1667.6	9508	4.2	1.43			



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%	999	4.5	99.4	3455	10.0	0.20	80°C 42s
		35%	1151	5.2	116.1	3691	9.9	0.23	
		37%	1285	6.0	134.1	3891	9.6	0.26	
		39%	1408	6.9	152.9	4068	9.2	0.29	
		42%	1585	8.2	183.1	4311	8.7	0.33	
		45%	1764	9.8	216.8	4546	8.1	0.37	
		48%	1957	11.5	255.6	4785	7.7	0.41	
		51%	2171	13.5	300.9	5034	7.2	0.46	
		54%	2409	15.9	353.4	5294	6.8	0.52	
		57%	2672	18.6	413.2	5563	6.5	0.58	
		60%	2960	21.6	480.1	5836	6.2	0.65	
		63%	3268	24.9	553.9	6109	5.9	0.72	
		66%	3593	28.6	634.9	6379	5.7	0.79	
		69%	3930	32.6	723.6	6645	5.4	0.87	
		72%	4274	37.0	821.2	6904	5.2	0.95	
		75%	4619	41.8	928.8	7157	5.0	1.03	
		78%	4961	47.2	1047.4	7403	4.7	1.12	
		81%	5298	53.0	1177.3	7644	4.5	1.22	
		84%	5629	59.4	1318.7	7879	4.3	1.32	
		87%	5954	66.3	1471.7	8107	4.0	1.42	
90%	6279	73.8	1637.2	8331	3.8	1.53			
100%	7406	102.7	2276.1	9009	3.3	1.95			

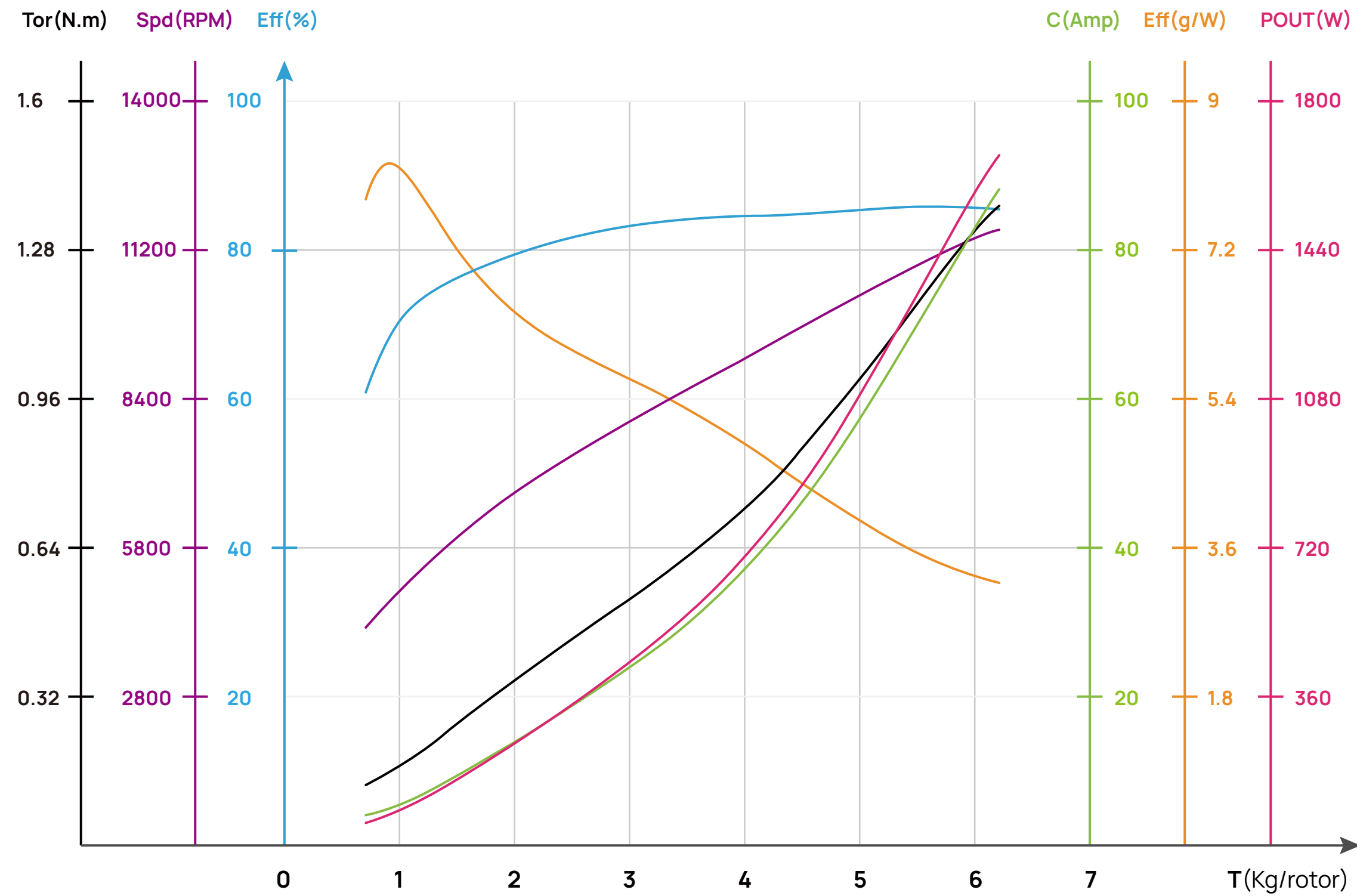
PLATINUM 4120SL 610KV

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。

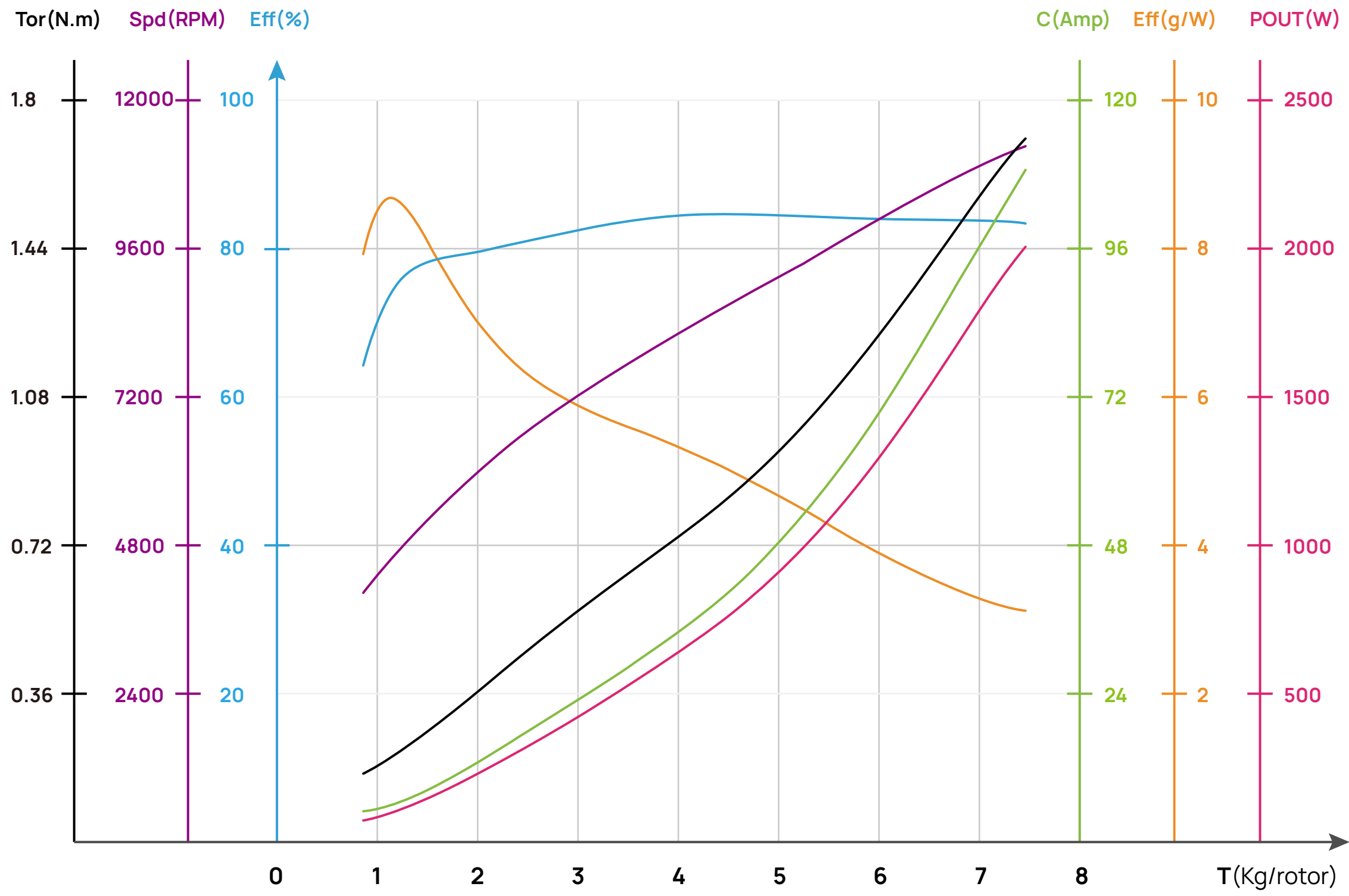
The following data was measured at room temperature of 25°C and sea level by changing the input throttle.

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

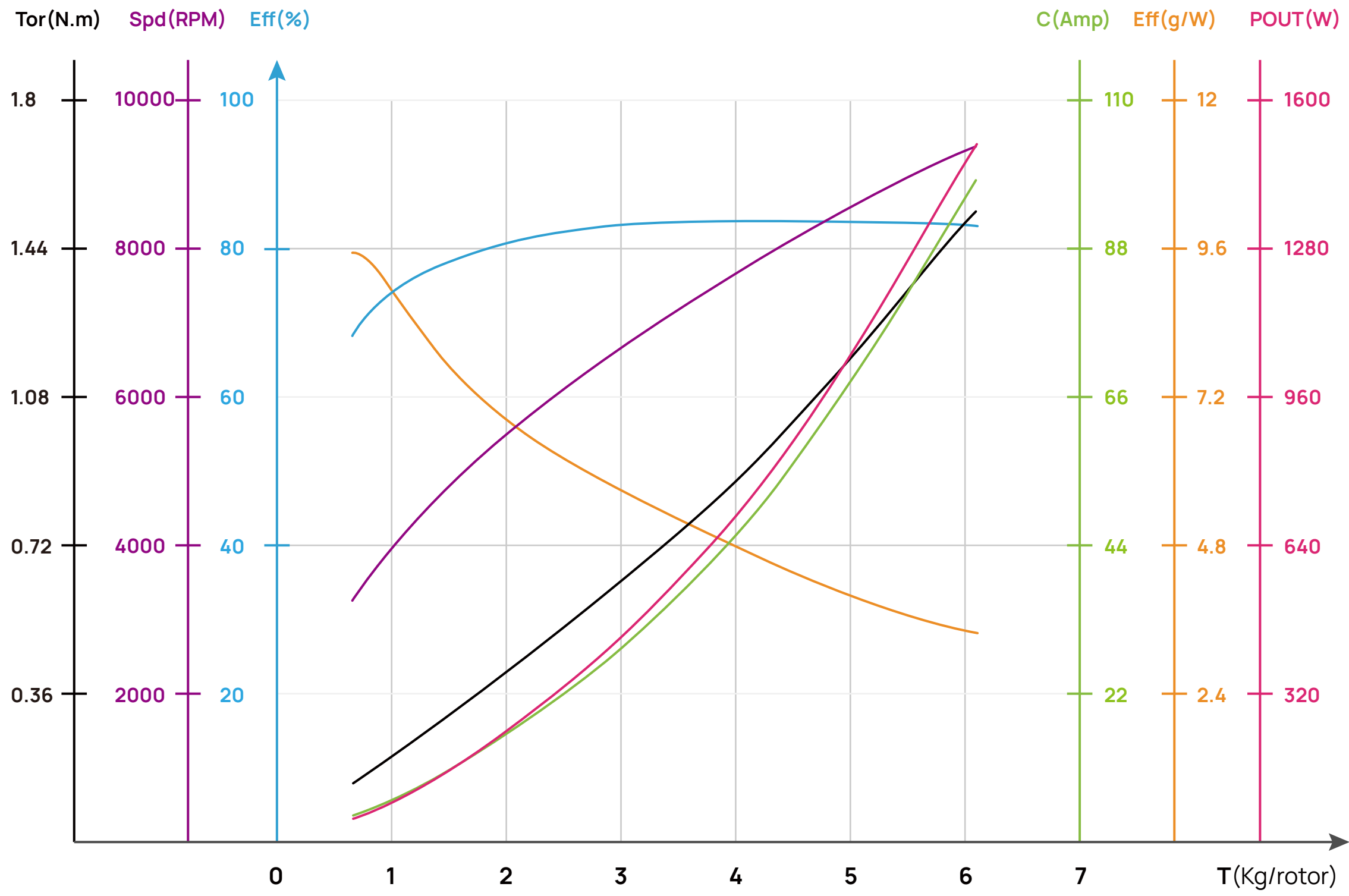
The maximum power continuous running time will be shorter in a bad heat dissipation environment, and the full throttle running time should be controlled, otherwise there is the risk of burning the motor.



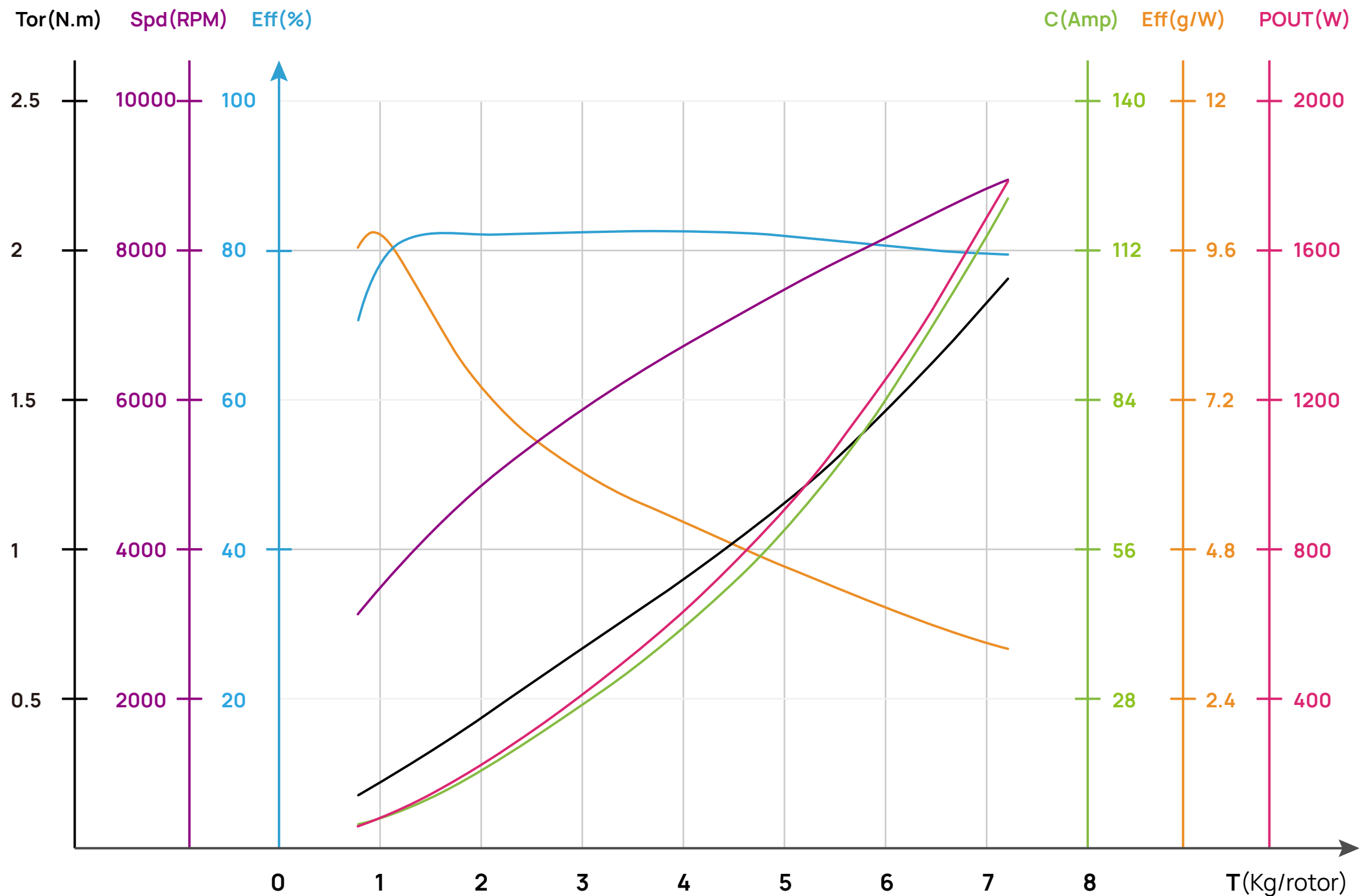
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Temperature(°C) 电机机壳温度
22.2V (6S LIPO)	APC14x6E Propeller	33%	844	4.6	102.8	4436	8.2	0.15	65°C 3min33S
		35%	939	5.1	114.0	4659	8.2	0.16	
		37%	1030	5.7	126.4	4864	8.2	0.18	
		39%	1121	6.3	140.1	5061	8.0	0.19	
		42%	1265	7.4	164.2	5357	7.7	0.22	
		45%	1426	8.7	193.7	5667	7.4	0.25	
		48%	1608	10.3	229.4	5997	7.0	0.28	
		51%	1815	12.2	271.7	6345	6.7	0.32	
		54%	2046	14.4	320.2	6704	6.4	0.36	
		57%	2300	16.8	374.2	7070	6.1	0.41	
		60%	2571	19.5	433.3	7436	5.9	0.46	
		63%	2856	22.4	497.7	7798	5.7	0.51	
		66%	3148	25.6	568.3	8156	5.5	0.56	
		69%	3443	29.1	646.6	8507	5.3	0.61	
		72%	3735	33.0	734.0	8851	5.1	0.67	
		75%	4019	37.4	830.9	9186	4.8	0.73	
		78%	4293	42.2	936.9	9510	4.6	0.80	
81%	4555	47.3	1050.9	9821	4.3	0.87			
84%	4806	52.8	1171.7	10119	4.1	0.94			
87%	5050	58.5	1299.1	10406	3.9	1.02			
90%	5294	64.6	1434.7	10688	3.7	1.10			
100%	6217	88.3	1957.6	11598	3.2	1.38			



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)	APC15x6E Propeller	33%	1026	5.4	119.7	4353	8.6	0.19	80°C 1min22s
		35%	1141	5.9	131.6	4572	8.7	0.20	
		37%	1251	6.5	145.6	4771	8.6	0.22	
		39%	1359	7.3	161.7	4962	8.4	0.24	
		42%	1529	8.6	190.7	5251	8.0	0.27	
		45%	1718	10.2	226.8	5555	7.6	0.31	
		48%	1934	12.2	271.5	5881	7.1	0.35	
		51%	2179	14.6	324.9	6226	6.7	0.40	
		54%	2453	17.4	386.5	6584	6.3	0.45	
		57%	2755	20.4	454.9	6947	6.1	0.51	
		60%	3080	23.8	528.9	7306	5.8	0.57	
		63%	3423	27.3	608.3	7659	5.6	0.63	
		66%	3776	31.2	694.1	8001	5.4	0.70	
		69%	4134	35.5	788.4	8334	5.2	0.76	
		72%	4489	40.2	893.4	8658	5.0	0.83	
		75%	4836	45.5	1010.7	8973	4.8	0.91	
		78%	5171	51.3	1140.5	9280	4.5	0.99	
		81%	5492	57.7	1281.6	9577	4.3	1.08	
		84%	5799	64.5	1432.6	9864	4.0	1.17	
		87%	6096	71.7	1592.6	10140	3.8	1.26	
90%	6390	79.4	1762.8	10410	3.6	1.36			
100%	7471	108.7	2411.0	11247	3.1	1.71			



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
18.5V (5S LIPO)	APC15x8E Propeller	33%	816	4.7	87.0	3571	9.4	0.17	80°C 2min12s
		35%	923	5.4	101.0	3785	9.1	0.19	
		37%	1024	6.2	115.4	3980	8.9	0.21	
		39%	1124	7.0	130.6	4163	8.6	0.23	
		42%	1276	8.4	155.2	4424	8.2	0.26	
		45%	1435	9.8	182.8	4681	7.8	0.29	
		48%	1606	11.5	214.3	4940	7.5	0.33	
		51%	1792	13.5	250.4	5205	7.2	0.37	
		54%	1994	15.7	291.5	5475	6.8	0.41	
		57%	2211	18.2	338.0	5749	6.5	0.46	
		60%	2444	21.0	390.2	6027	6.3	0.51	
		63%	2689	24.2	448.4	6307	6.0	0.56	
		66%	2944	27.7	513.0	6587	5.7	0.62	
		69%	3207	31.5	584.5	6865	5.5	0.68	
		72%	3476	35.8	663.3	7140	5.2	0.74	
		75%	3747	40.5	749.9	7411	5.0	0.81	
		78%	4019	45.6	844.5	7675	4.8	0.88	
		81%	4291	51.1	947.6	7931	4.5	0.95	
		84%	4564	57.2	1059.4	8179	4.3	1.03	
		87%	4839	63.7	1180.4	8419	4.1	1.12	
90%	5119	70.9	1311.7	8652	3.9	1.21			
100%	6109	98.0	1812.2	9382	3.4	1.53			



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
18.5V (5S LIPO)	APC16x8E Propeller	33%	1001	5.5	101.4	3481	9.9	0.22	80°C 59s
		35%	1147	6.4	119.2	3710	9.6	0.25	
		37%	1280	7.4	138.0	3909	9.3	0.28	
		39%	1405	8.5	157.6	4088	8.9	0.30	
		42%	1587	10.2	188.9	4336	8.4	0.34	
		45%	1774	12.1	223.8	4574	7.9	0.39	
		48%	1973	14.2	263.7	4814	7.5	0.43	
		51%	2189	16.7	309.5	5061	7.1	0.48	
		54%	2427	19.5	362.0	5315	6.7	0.53	
		57%	2686	22.7	421.7	5576	6.4	0.59	
		60%	2965	26.3	488.5	5841	6.1	0.66	
		63%	3262	30.3	562.6	6107	5.8	0.73	
		66%	3573	34.7	644.3	6373	5.5	0.80	
		69%	3894	39.6	733.9	6636	5.3	0.87	
		72%	4220	44.9	832.0	6893	5.1	0.95	
		75%	4548	50.7	939.3	7144	4.8	1.03	
		78%	4875	57.0	1056.3	7387	4.6	1.12	
		81%	5197	63.9	1183.1	7622	4.4	1.21	
		84%	5514	71.3	1320.0	7848	4.2	1.31	
		87%	5827	79.3	1467.6	8066	4.0	1.41	
90%	6140	87.9	1627.1	8279	3.8	1.51			
100%	7212	121.9	2252.9	8959	3.2	1.91			