



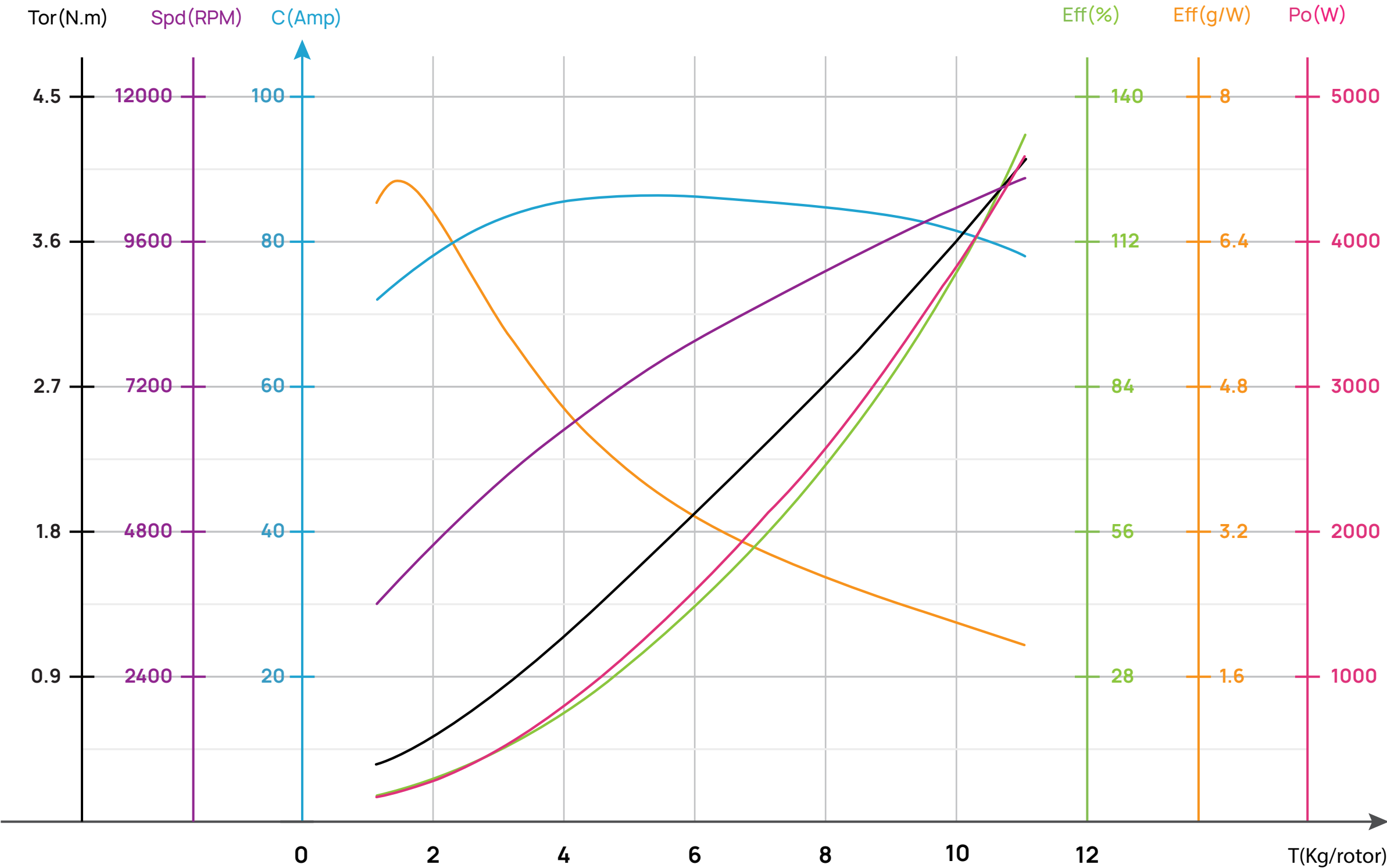
LOAD PERFORMANCE PARAMETERS

负 载 性 能 参 数

以下数据为室温25℃、海平面高度的环境下,变化油门输入调节拉力测得,应控制满载全油门运行时间,否则有烧毁电机的危险。

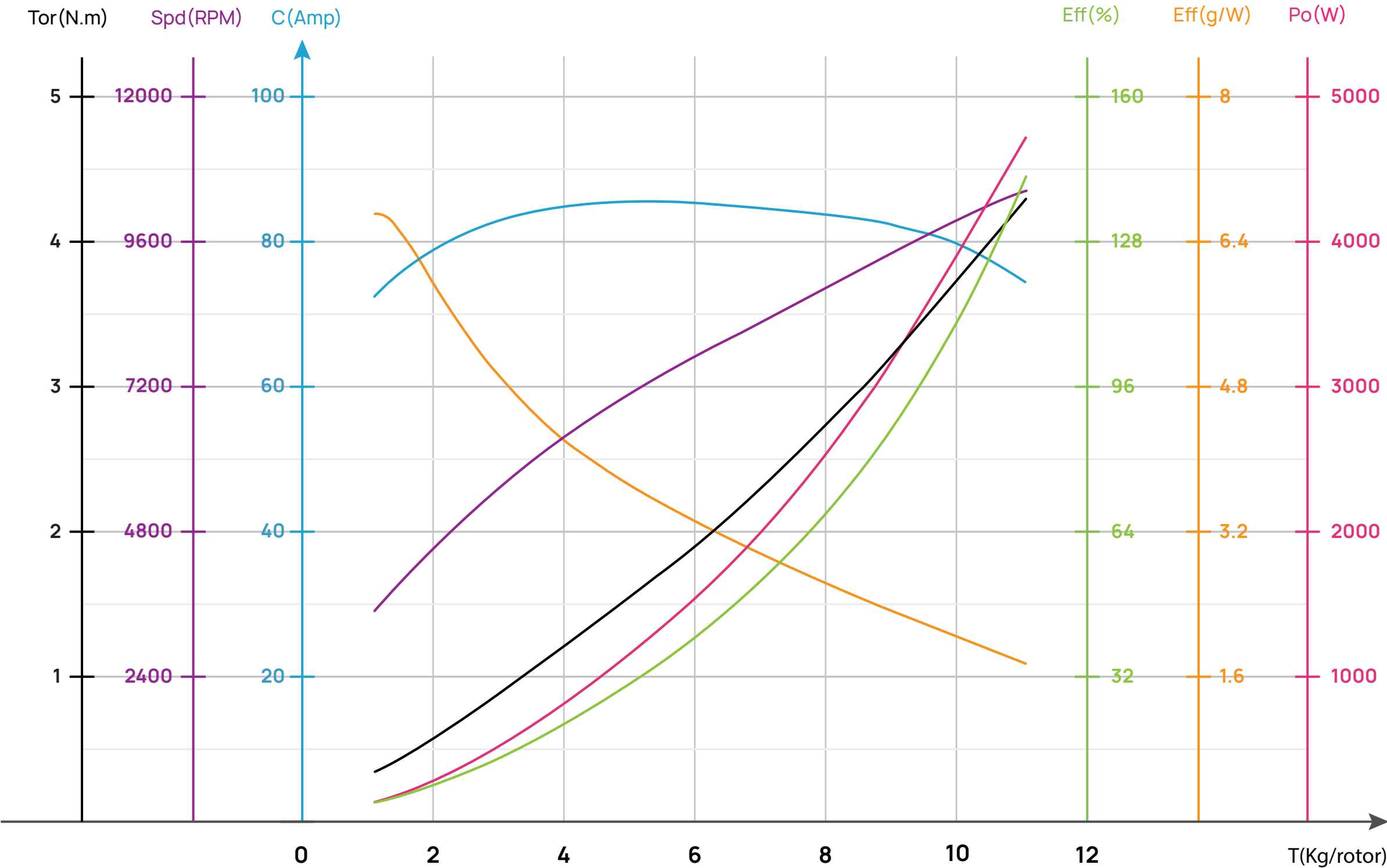
The below data is measured at room temperature 25℃ and sea level height. If the the throttle input adjustment tensile force is measured, the full-load full throttle running time should be controlled, otherwise there is a risk of burning the motor

300KV + 16×10 Propeller



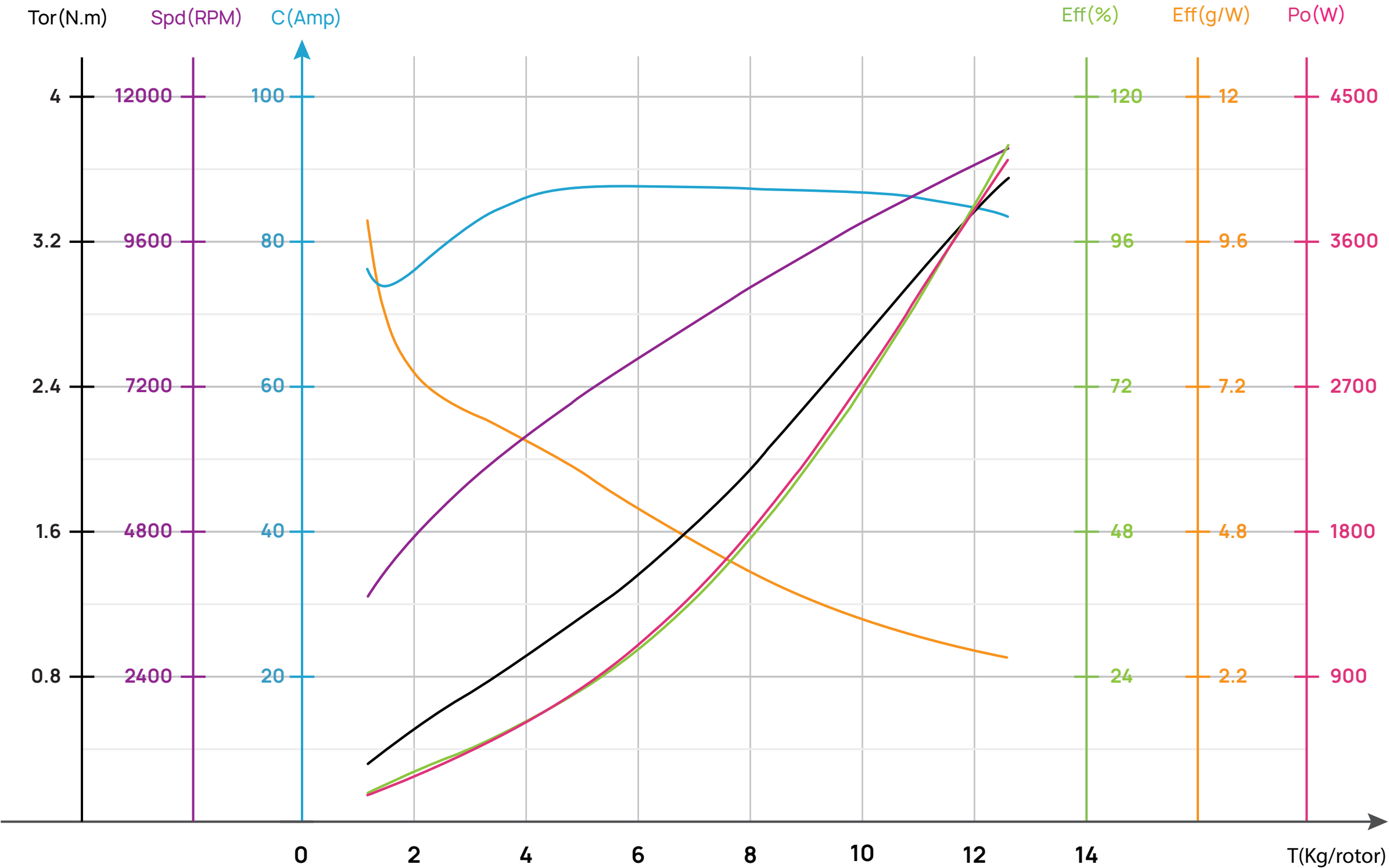
Voltage 工作电压(V)	Propeller 螺旋桨	Throttle 油门(%)	Thrust 拉力(g)	Current 电流(A)	Power Input 输入功率(W)	Speed 转速(RPM)	Efficiency 力效(g/W)	Torque 扭矩(N·m)	Power Output 输出功率(W)	Temperature 电机机壳温度(℃)
44.4V (12S LiPo)	16×10	33%	1310	4.2	185.9	3773	7.0	0.35	136.6	80℃/25s
		35%	1484	4.7	210.1	3974	7.1	0.38	157.1	
		37%	1674	5.4	240.0	4189	7.0	0.42	182.6	
		39%	1877	6.2	275.9	4415	6.8	0.46	213.7	
		42%	2204	7.7	342.4	4767	6.4	0.54	272.0	
		45%	2553	9.6	424.9	5129	6.0	0.64	345.2	
		48%	2920	11.8	524.2	5493	5.6	0.75	434.0	
		51%	3301	14.4	640.7	5852	5.2	0.88	538.5	
		54%	3694	17.4	774.4	6204	4.8	1.01	658.2	
		57%	4096	20.8	925.1	6544	4.4	1.16	792.4	
		60%	4506	24.6	1092.4	6871	4.1	1.31	940.4	
		63%	4924	28.7	1276.2	7186	3.9	1.46	1101.3	
		66%	5349	33.3	1476.4	7489	3.6	1.63	1274.7	
		69%	5781	38.1	1693.4	7780	3.4	1.79	1460.7	
		72%	6221	43.4	1928.0	8063	3.2	1.97	1659.6	
		75%	6670	49.2	2181.9	8338	3.1	2.14	1872.4	
		78%	7131	55.4	2457.6	8610	2.9	2.33	2101.1	
		81%	7604	62.2	2759.0	8879	2.8	2.53	2347.9	
		84%	8094	69.6	3091.5	9150	2.6	2.73	2616.1	
		87%	8601	78.0	3462.8	9424	2.5	2.95	2909.7	
		90%	9130	87.5	3883.6	9704	2.4	3.18	3233.4	
		100%	11091	132.8	5892.8	10653	1.9	4.11	4588.0	

300KV + 16×12 Propeller



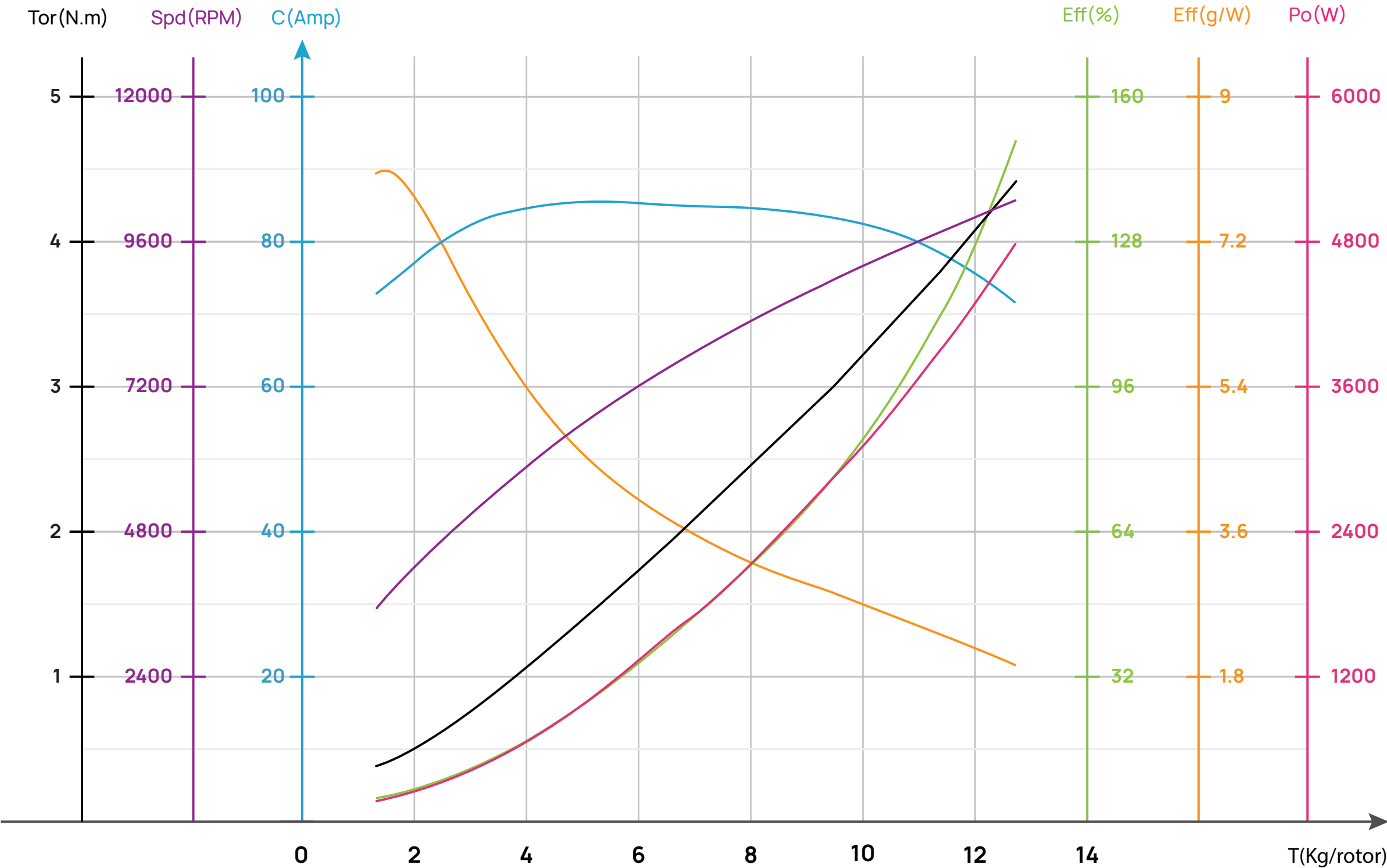
Voltage 工作电压(V)	Propeller 螺旋桨	Throttle 油门(%)	Thrust 拉力(g)	Current 电流(A)	Power Input 输入功率(W)	Speed 转速(RPM)	Efficiency 力效(g/W)	Torque 扭矩(N·m)	Power Output 输出功率(W)	Temperature 电机机壳温度(℃)
44.4V (12S LiPo)	16×12	33%	1325	4.5	198.6	3743	6.7	0.38	148.6	80℃/19s
		35%	1493	5.1	228.6	3946	6.5	0.42	174.0	
		37%	1675	6.0	264.2	4160	6.3	0.47	204.4	
		39%	1870	6.9	306.1	4384	6.1	0.52	240.4	
		42%	2187	8.6	381.7	4735	5.7	0.62	306.1	
		45%	2534	10.7	473.6	5097	5.4	0.72	386.9	
		48%	2908	13.1	582.4	5463	5.0	0.85	483.5	
		51%	3305	16.0	708.5	5826	4.7	0.98	595.9	
		54%	3723	19.2	851.6	6180	4.4	1.12	723.3	
		57%	4158	22.8	1011.4	6521	4.1	1.27	864.7	
		60%	4605	26.8	1187.7	6846	3.9	1.42	1019.0	
		63%	5062	31.1	1380.5	7155	3.7	1.58	1185.7	
		66%	5524	35.8	1590.1	7450	3.5	1.75	1364.6	
		69%	5989	40.9	1817.6	7733	3.3	1.92	1556.2	
		72%	6453	46.5	2064.2	8007	3.1	2.10	1761.9	
		75%	6916	52.5	2332.1	8275	3.0	2.29	1983.1	
		78%	7376	59.1	2624.2	8541	2.8	2.48	2221.8	
		81%	7834	66.3	2944.7	8806	2.7	2.69	2480.3	
		84%	8292	74.3	3299.4	9073	2.5	2.91	2761.2	
		87%	8754	83.3	3696.5	9344	2.4	3.14	3067.3	
		90%	9224	93.5	4148.0	9617	2.2	3.38	3401.8	
		92%	9693	104.0	4643.6	9883	2.0	3.62	3766.3	
		94%	10162	115.0	5183.0	10143	1.8	3.86	4160.8	
		96%	10631	126.0	5766.6	10397	1.6	4.10	4585.3	
		98%	11100	137.0	6394.2	10646	1.4	4.34	5039.8	
		100%	10963	143.0	6344.1	10489	1.7	4.31	4735.7	

300KV + 17×8 Propeller



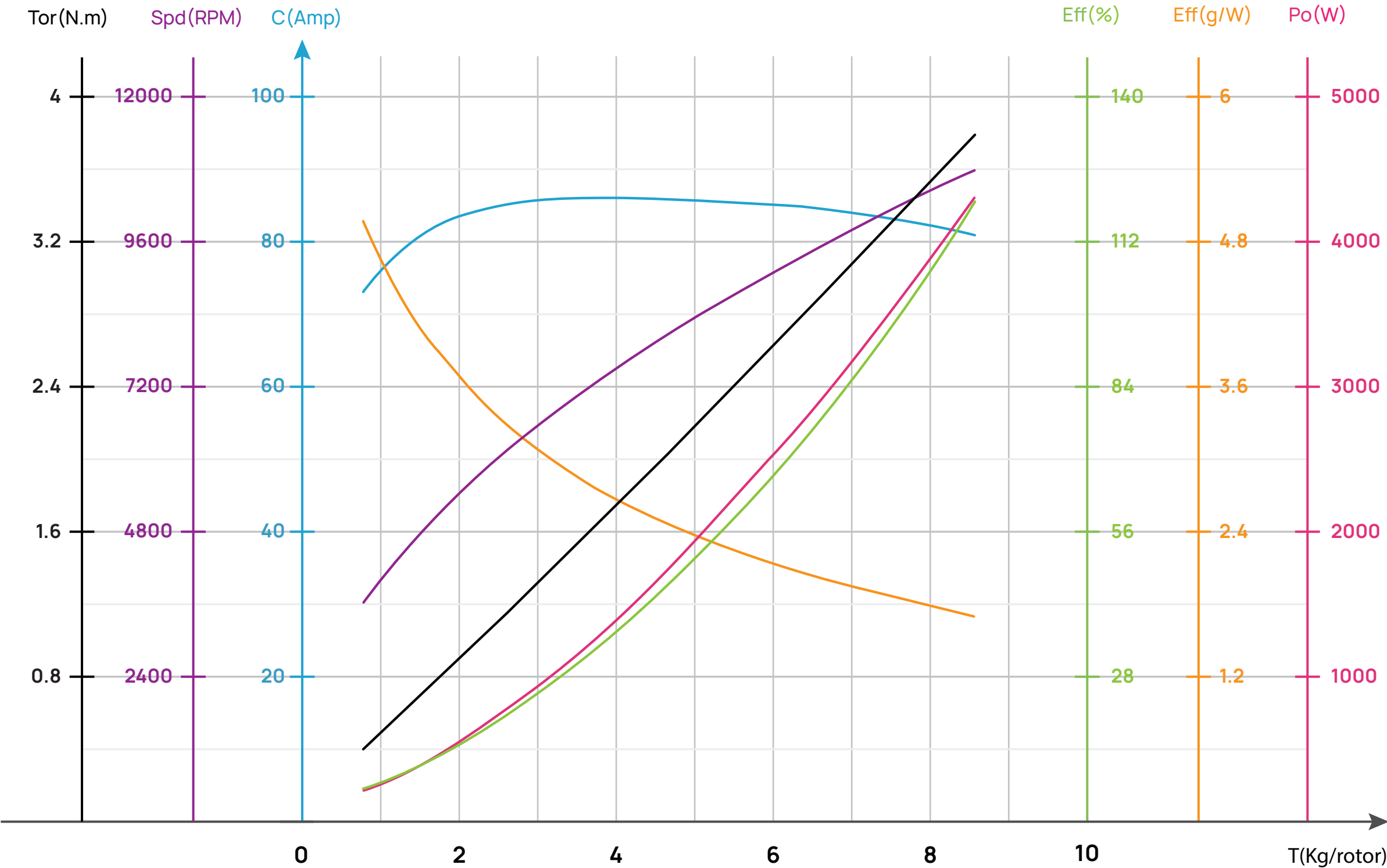
Voltage 工作电压(V)	Propeller 螺旋桨	Throttle 油门(%)	Thrust 拉力(g)	Current 电流(A)	Power Input 输入功率(W)	Speed 转速(RPM)	Efficiency 力效(g/W)	Torque 扭矩(N·m)	Power Output 输出功率(W)	Temperature 电机机壳温度(℃)
44.4V (12S LiPo)	17×8	33%	1468	3.8	168.9	3834	8.7	0.31	123.6	80℃/48s
		35%	1623	4.5	199.3	4027	8.1	0.34	145.5	
		37%	1800	5.2	232.9	4236	7.7	0.39	171.1	
		39%	1999	6.1	269.5	4458	7.4	0.43	200.9	
		42%	2336	7.4	330.1	4809	7.1	0.50	253.4	
		45%	2718	9.0	398.0	5172	6.8	0.58	315.5	
		48%	3141	10.7	474.4	5539	6.6	0.67	387.5	
		51%	3597	12.6	561.1	5902	6.4	0.76	469.8	
		54%	4080	14.9	660.6	6259	6.2	0.86	563.0	
		57%	4583	17.5	775.4	6607	5.9	0.97	668.2	
		60%	5099	20.4	907.5	6946	5.6	1.08	786.4	
		63%	5619	23.8	1058.0	7277	5.3	1.21	918.7	
		66%	6138	27.6	1226.9	7599	5.0	1.34	1065.3	
		69%	6651	31.8	1413.6	7912	4.7	1.48	1226.1	
		72%	7155	36.4	1616.9	8214	4.4	1.63	1400.7	
		75%	7650	41.3	1835.6	8506	4.2	1.78	1588.5	
		78%	8137	46.6	2069.6	8789	3.9	1.94	1789.4	
		81%	8622	52.3	2320.4	9065	3.7	2.11	2004.5	
		84%	9113	58.4	2592.3	9338	3.5	2.29	2236.9	
		87%	9623	65.2	2892.9	9613	3.3	2.48	2491.8	
		90%	10170	72.9	3234.1	9898	3.1	2.68	2777.4	
		100%	12585	111.1	4930.4	11055	2.6	3.52	4074.2	

300KV + 17×10 Propeller



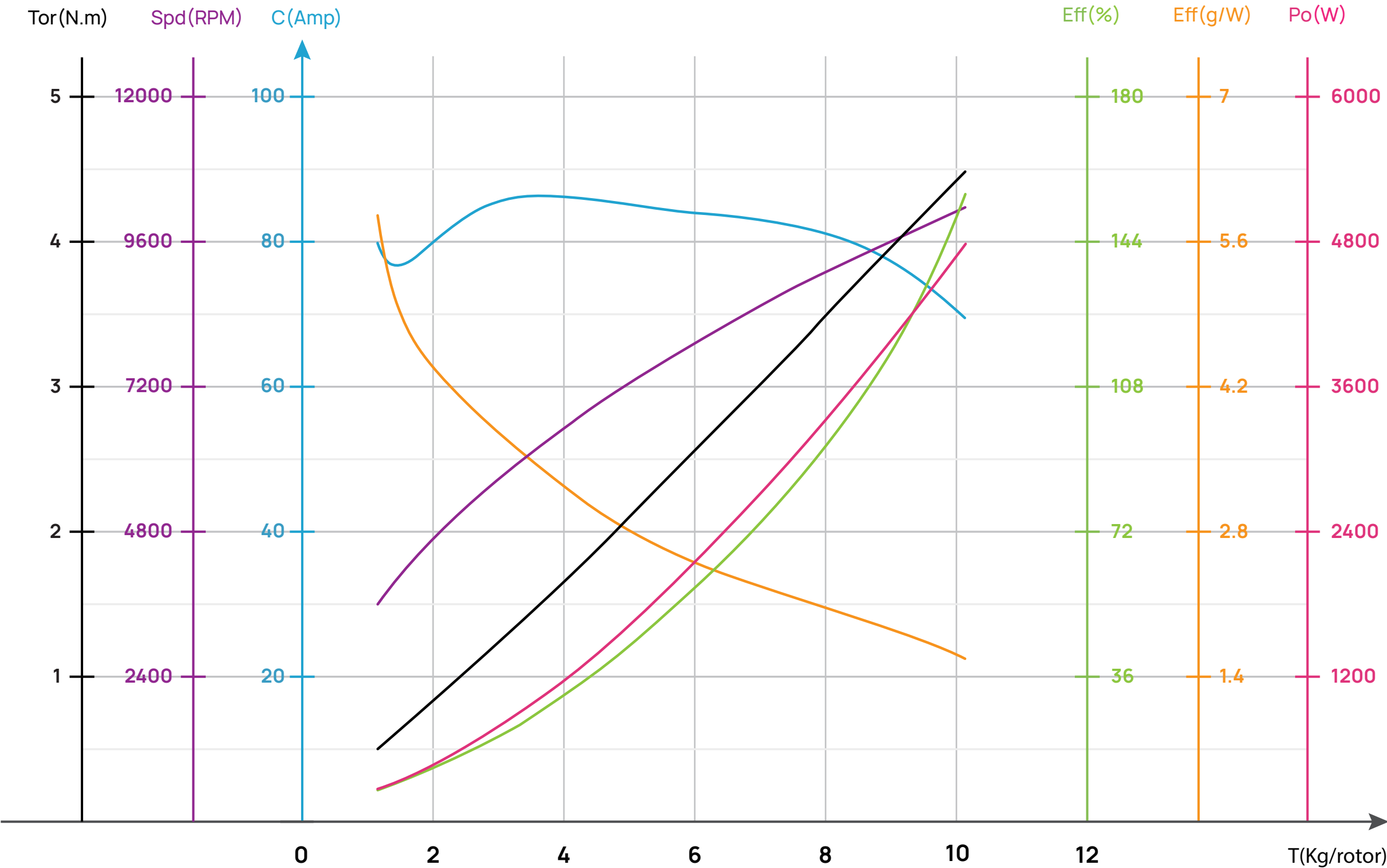
Voltage 工作电压 (V)	Propeller 螺旋桨	Throttle 油门 (%)	Thrust 拉力 (g)	Current 电流 (A)	Power Input 输入功率 (W)	Speed 转速 (RPM)	Efficiency 力效 (g/W)	Torque 扭矩 (N·m)	Power Output 输出功率 (W)	Temperature 电机机壳温度 (°C)
44.4V (12S LiPo)	17×10	33%	1612	4.5	198.8	3716	8.1	0.38	147.8	80°C/14s
		35%	1808	5.1	225.6	3913	8.0	0.42	170.7	
		37%	2032	5.9	259.8	4132	7.8	0.46	200.5	
		39%	2278	6.8	302.0	4366	7.5	0.52	237.8	
		42%	2678	8.6	381.2	4733	7.0	0.62	308.5	
		45%	3103	10.8	479.7	5104	6.5	0.74	397.0	
		48%	3544	13.5	597.5	5470	5.9	0.88	502.3	
		51%	3994	16.5	733.4	5824	5.4	1.02	623.0	
		54%	4450	20.0	886.3	6165	5.0	1.17	757.5	
		57%	4912	23.8	1055.3	6491	4.7	1.33	904.6	
		60%	5378	27.9	1239.7	6803	4.3	1.49	1063.6	
		63%	5852	32.4	1439.7	7104	4.1	1.66	1234.6	
		66%	6336	37.3	1656.1	7396	3.8	1.83	1418.3	
		69%	6833	42.6	1890.6	7681	3.6	2.01	1616.0	
		72%	7347	48.3	2145.5	7960	3.4	2.20	1829.8	
		75%	7879	54.6	2424.6	8236	3.2	2.39	2061.7	
		78%	8431	61.6	2732.4	8509	3.1	2.60	2314.2	
		81%	9004	69.3	3075.8	8779	2.9	2.82	2589.9	
		84%	9594	78.0	3463.6	9047	2.8	3.05	2890.5	
		87%	10198	88.0	3907.3	9311	2.6	3.30	3216.7	
		90%	10807	99.6	4419.9	9569	2.4	3.56	3566.9	
		100%	12704	151.0	6699.0	10332	1.9	4.44	4801.2	

300KV + 15×12 Propeller



Voltage 工作电压(V)	Propeller 螺旋桨	Throttle 油门(%)	Thrust 拉力(g)	Current 电流(A)	Power Input 输入功率(W)	Speed 转速(RPM)	Efficiency 力效(g/W)	Torque 扭矩(N·m)	Power Output 输出功率(W)	Temperature 电机机壳温度(℃)
44.4V (12S LiPo)	15×12	33%	960	4.5	201.4	3719	4.8	0.39	150.6	80℃/31s
		35%	1077	5.3	233.7	3919	4.6	0.43	178.2	
		37%	1211	6.1	272.7	4139	4.4	0.49	212.1	
		39%	1360	7.2	318.4	4374	4.3	0.55	252.2	
		42%	1607	9.0	399.4	4741	4.0	0.65	324.4	
		45%	1877	11.2	495.4	5113	3.8	0.77	410.4	
		48%	2164	13.6	606.0	5482	3.6	0.89	509.5	
		51%	2462	16.5	730.7	5841	3.4	1.02	620.9	
		54%	2770	19.6	869.0	6188	3.2	1.15	743.5	
		57%	3084	23.0	1020.1	6522	3.0	1.28	876.6	
		60%	3403	26.7	1183.4	6844	2.9	1.42	1019.3	
		63%	3725	30.6	1358.8	7154	2.7	1.56	1171.5	
		66%	4050	34.8	1546.0	7454	2.6	1.71	1333.0	
		69%	4380	39.3	1745.6	7747	2.5	1.85	1504.1	
		72%	4714	44.1	1958.7	8035	2.4	2.00	1685.8	
		75%	5056	49.3	2186.8	8319	2.3	2.16	1879.1	
		78%	5407	54.8	2432.5	8601	2.2	2.32	2085.9	
		81%	5771	60.8	2699.1	8884	2.1	2.48	2308.3	
		84%	6151	67.4	2991.3	9169	2.1	2.66	2549.2	
		87%	6552	74.7	3314.8	9458	2.0	2.84	2811.8	
		90%	6977	82.9	3677.3	9753	1.9	3.04	3100.0	
		100%	8640	120.1	5328.0	10831	1.6	3.81	4316.8	

300KV + 16×13 Propeller



Voltage 工作电压 (V)	Propeller 螺旋桨	Throttle 油门 (%)	Thrust 拉力 (g)	Current 电流 (A)	Power Input 输入功率 (W)	Speed 转速 (RPM)	Efficiency 力效 (g/W)	Torque 扭矩 (N·m)	Power Output 输出功率 (W)	Temperature 电机机壳温度 (°C)
44.4V (12S LiPo)	16×13	33%	1219	5.2	230.3	3646	5.3	0.46	177.2	80°C/10s
		35%	1361	6.2	273.4	3844	5.0	0.52	209.0	
		37%	1528	7.3	323.6	4066	4.7	0.58	249.0	
		39%	1716	8.6	380.1	4303	4.5	0.66	297.1	
		42%	2030	10.7	476.7	4668	4.3	0.79	384.2	
		45%	2372	13.3	588.4	5033	4.0	0.93	488.4	
		48%	2735	16.2	717.4	5389	3.8	1.08	608.7	
		51%	3112	19.5	865.6	5732	3.6	1.24	743.8	
		54%	3499	23.3	1034.2	6063	3.4	1.41	893.0	
		57%	3894	27.6	1223.7	6382	3.2	1.58	1055.7	
		60%	4295	32.3	1433.9	6692	3.0	1.76	1231.5	
		63%	4701	37.5	1664.3	6995	2.8	1.94	1420.8	
		66%	5114	43.1	1914.1	7292	2.7	2.13	1623.8	
		69%	5533	49.2	2183.0	7583	2.5	2.32	1841.0	
		72%	5959	55.7	2471.1	7870	2.4	2.52	2072.9	
		75%	6393	62.6	2779.4	8151	2.3	2.72	2319.7	
		78%	6836	70.1	3109.9	8425	2.2	2.93	2581.4	
		81%	7287	78.1	3466.9	8692	2.1	3.14	2857.2	
		84%	7744	86.9	3856.6	8949	2.0	3.36	3145.6	
		87%	8206	96.6	4288.2	9195	1.9	3.58	3444.3	
		90%	8668	107.6	4773.3	9430	1.8	3.80	3750.2	
		100%	10123	155.7	6907.3	10156	1.5	4.48	4767.0	