



LOAD PERFORMANCE PARAMETERS

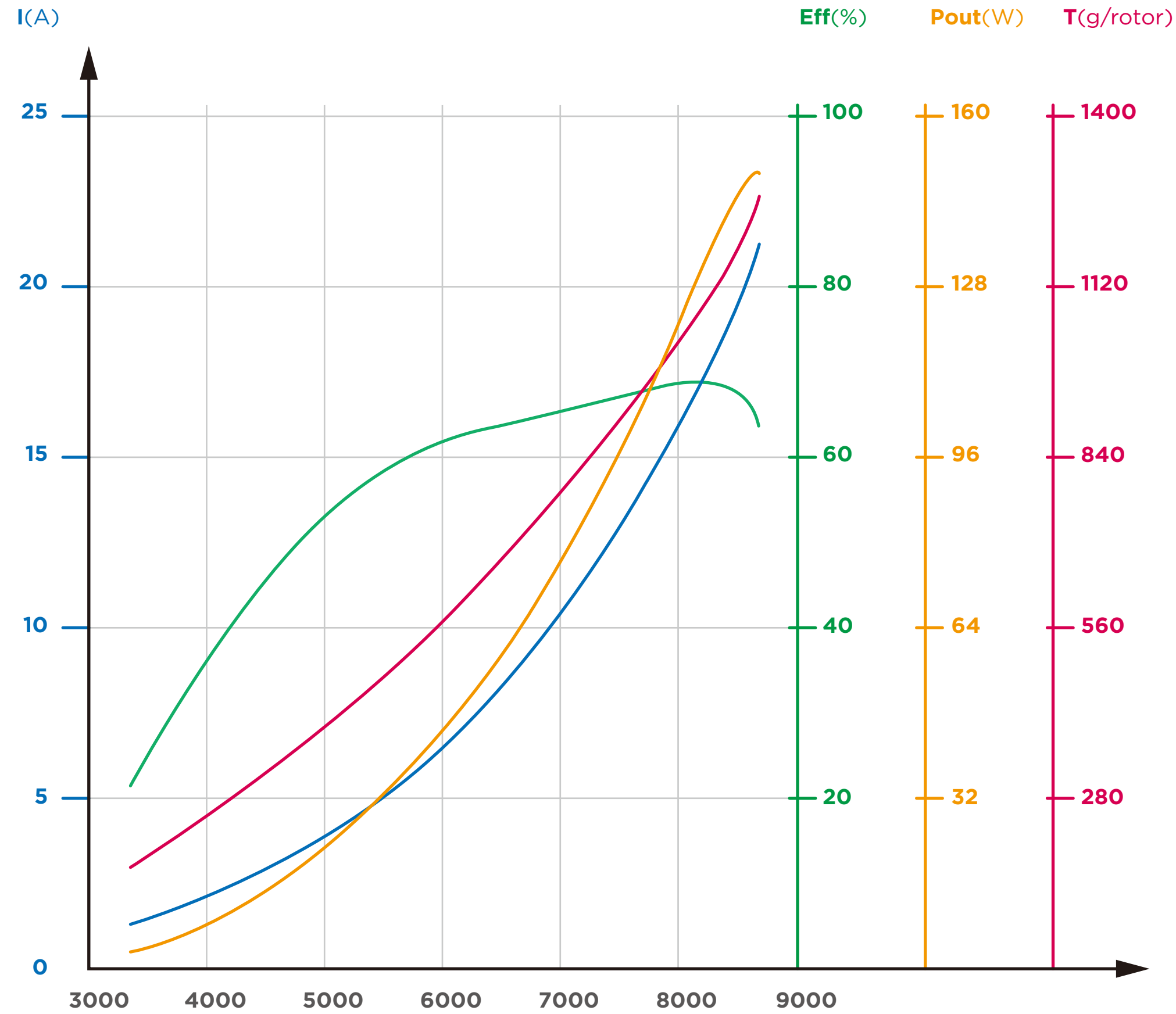
负载性能参数

SkyWalker 2312SL 980KV

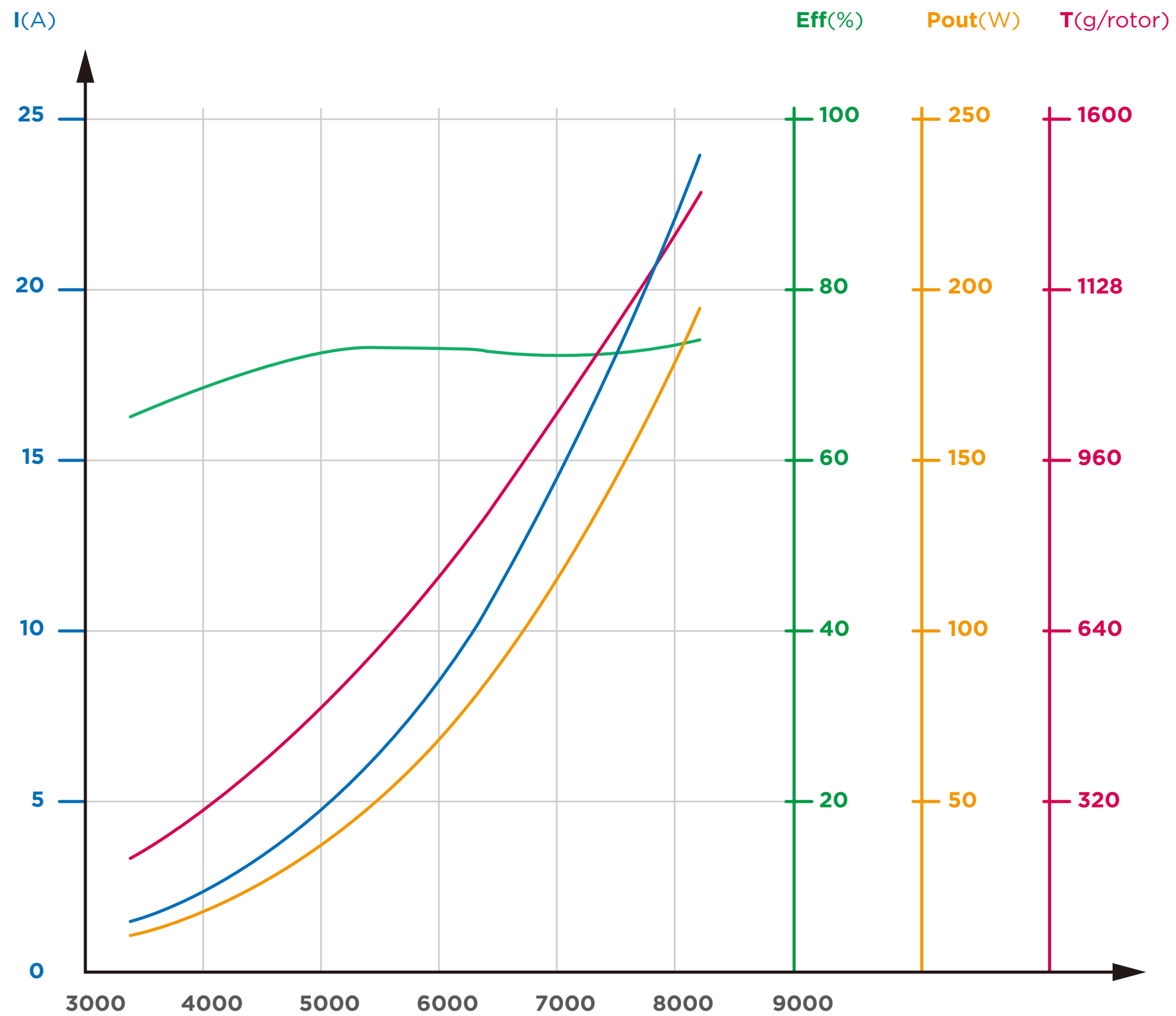
以下数据为室温 25°C、海平面高度的环境下，变化油门输入调节拉力测得。电机温度为100%油门下电机运行10分钟温度。

Under the environment of sea level altitude, the data above is measured in room temperature of 25°C.

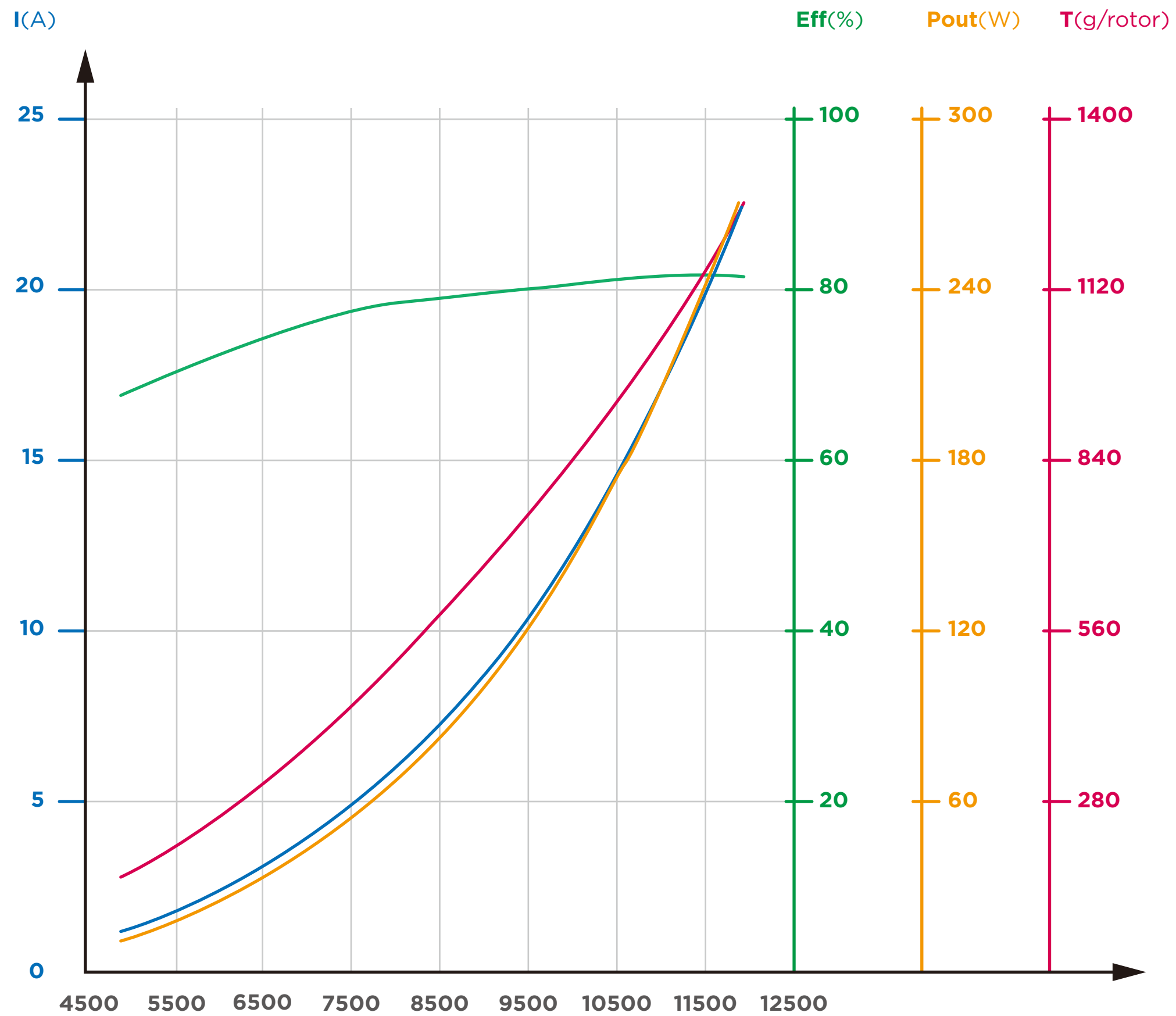
The throttle input is able to adjust the tension, and the motor temperature is the temperature of the rated throttle running for 10 minutes.



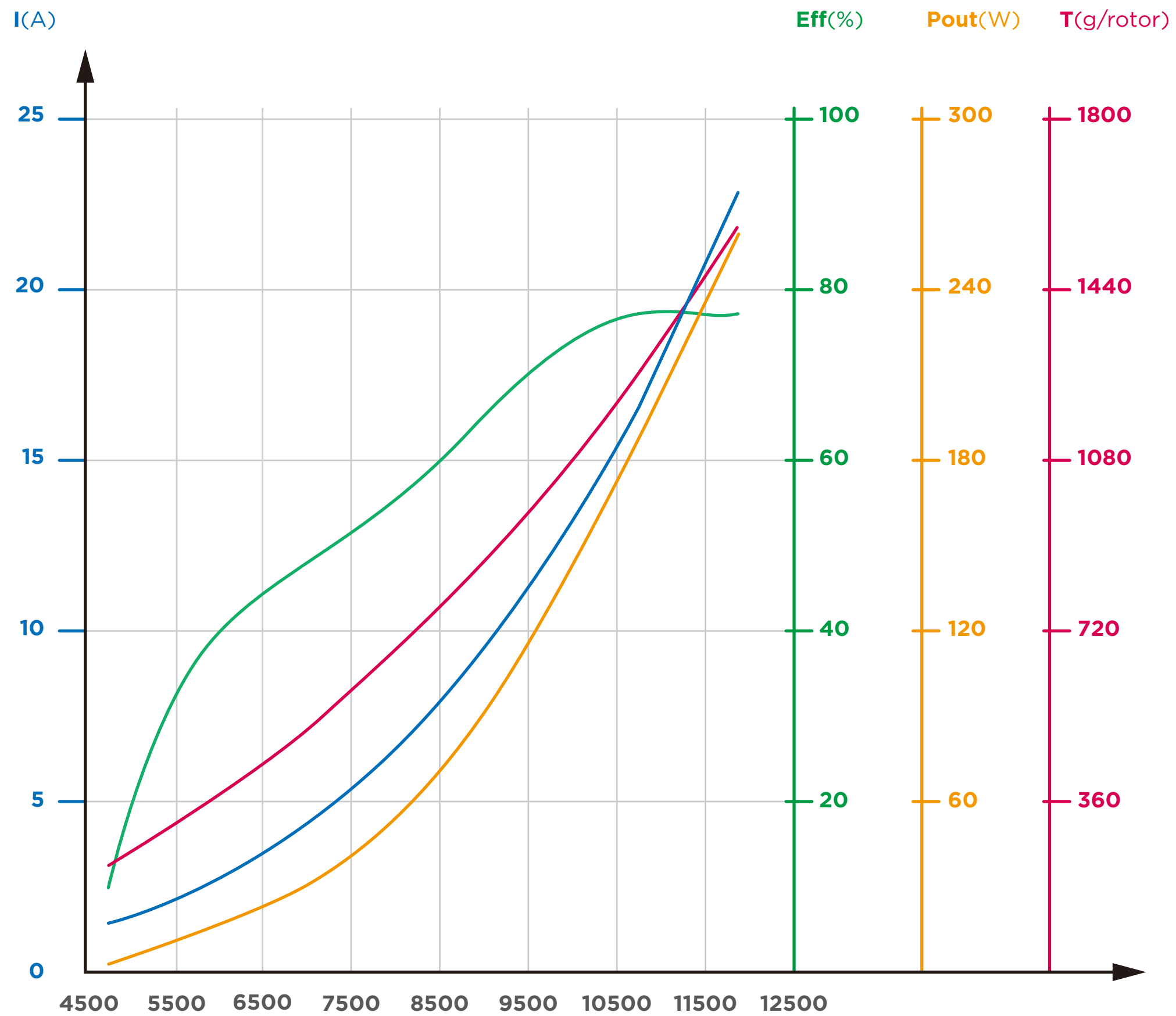
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC10x6E Propeller	30%	165	1.3	14.0	3358	11.9	70°C 10min
		33%	187	1.4	16.1	3532	11.7	
		36%	218	1.7	19.3	3776	11.3	
		39%	254	2.1	23.4	4045	10.8	
		42%	293	2.5	28.3	4328	10.4	
		45%	334	3.0	33.8	4614	9.9	
		48%	377	3.6	40.0	4896	9.4	
		51%	421	4.2	46.7	5172	9.0	
		54%	465	4.8	53.9	5437	8.6	
		57%	510	5.5	61.7	5692	8.3	
		60%	556	6.3	69.9	5936	8.0	
		63%	602	7.1	78.5	6172	7.7	
		66%	649	7.9	87.8	6400	7.4	
		69%	696	8.8	97.6	6623	7.1	
		72%	745	9.7	108.1	6842	6.9	
		75%	794	10.7	119.2	7061	6.7	
		78%	846	11.8	131.2	7279	6.4	
81%	899	12.9	144.0	7499	6.2			
84%	953	14.2	157.6	7720	6.0			
87%	1010	15.5	172.0	7940	5.9			
90%	1069	16.8	187.1	8155	5.7			
100%	1265	21.2	235.4	8693	5.4			



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	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC11x5.5E Propeller	30%	201	1.4	15.1	3241	13.4	80°C 3min
		33%	224	1.5	17.2	3402	13.0	
		36%	260	1.9	20.8	3643	12.5	
		39%	302	2.3	25.5	3914	11.8	
		42%	349	2.8	31.2	4197	11.2	
		45%	398	3.4	37.7	4480	10.6	
		48%	448	4.0	44.9	4755	10.0	
		51%	500	4.8	52.8	5017	9.5	
		54%	552	5.5	61.2	5264	9.0	
		57%	605	6.3	70.2	5498	8.6	
		60%	657	7.2	79.6	5720	8.3	
		63%	710	8.1	89.5	5932	7.9	
		66%	764	9.0	100.1	6137	7.6	
		69%	819	10.0	111.3	6338	7.4	
		72%	876	11.1	123.2	6536	7.1	
		75%	934	12.2	136.0	6735	6.9	
		78%	994	13.5	149.7	6937	6.6	
		81%	1056	14.8	164.3	7141	6.4	
		84%	1120	16.2	179.8	7349	6.2	
		87%	1185	17.7	196.1	7560	6.0	
90%	1250	19.2	212.8	7768	5.9			
100%	1444	23.7	263.4	8349	5.5			



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	Temperature(°C) 电机机壳温度
14.8V (4S LIPO)	APC8x6E Propeller	30%	163	1.4	20.7	4699	7.8	70°C 10min
		33%	185	1.7	24.6	4983	7.5	
		36%	215	2.0	30.0	5352	7.2	
		39%	249	2.4	36.2	5732	6.9	
		42%	287	2.9	43.0	6112	6.7	
		45%	326	3.4	50.4	6483	6.5	
		48%	368	4.0	58.5	6843	6.3	
		51%	411	4.5	67.1	7191	6.1	
		54%	455	5.2	76.5	7531	5.9	
		57%	500	5.9	86.6	7862	5.8	
		60%	545	6.6	97.5	8189	5.6	
		63%	592	7.4	109.2	8511	5.4	
		66%	640	8.2	122.0	8831	5.2	
		69%	689	9.2	135.7	9149	5.1	
		72%	739	10.2	150.6	9465	4.9	
		75%	790	11.3	166.8	9777	4.7	
		78%	843	12.4	184.1	10084	4.6	
		81%	896	13.7	202.6	10385	4.4	
		84%	951	15.0	222.3	10677	4.3	
		87%	1008	16.4	242.9	10958	4.1	
90%	1065	17.9	264.2	11228	4.0			
100%	1248	22.3	330.7	12064	3.8			



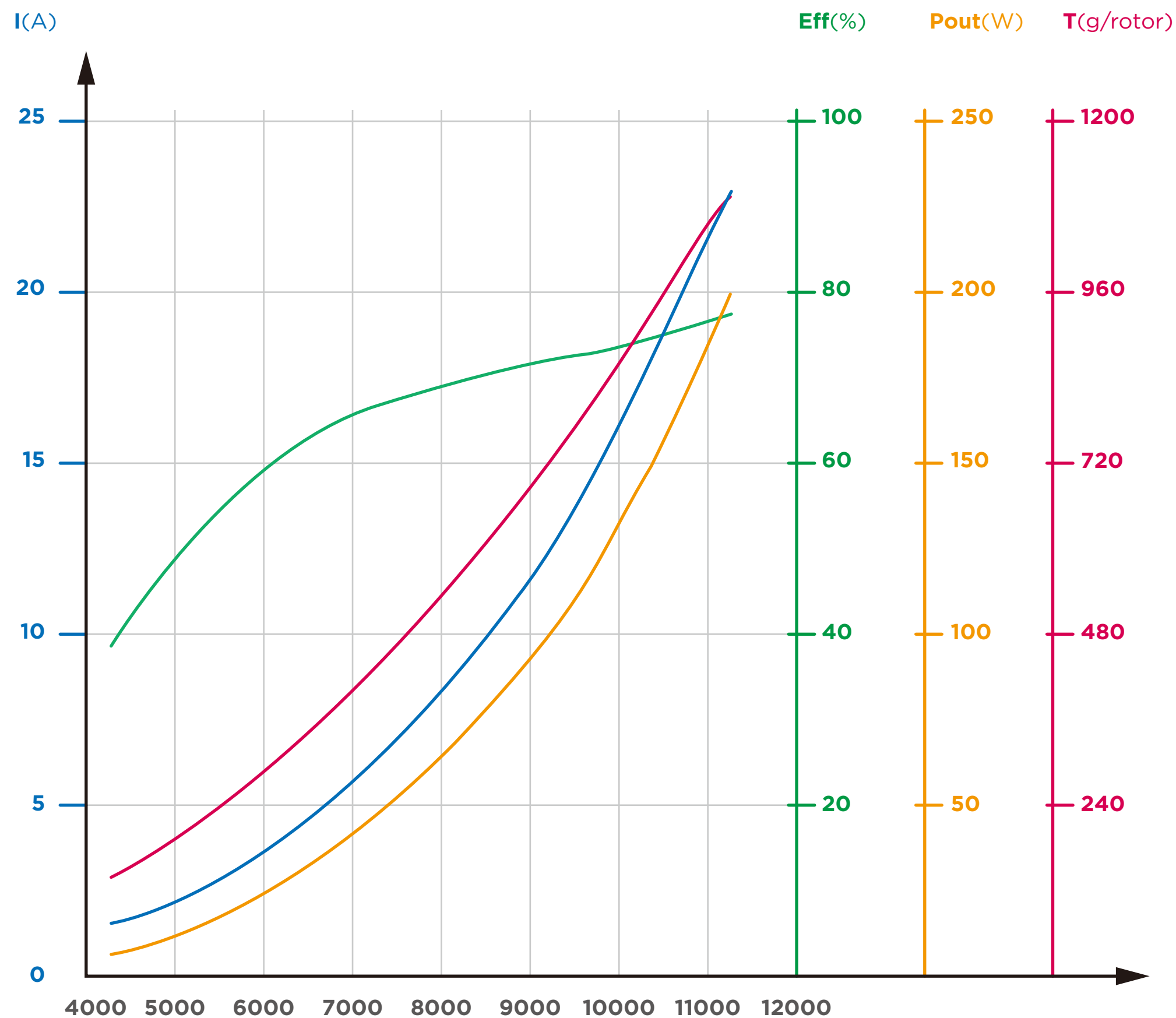
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Temperature(°C) 电机机壳温度
14.8V (4S LIPO)	APC9x4.5E Propeller	30%	219	1.4	20.3	4707	10.8	75°C 10min
		33%	248	1.6	23.9	4989	10.4	
		36%	289	2.0	29.1	5355	9.9	
		39%	333	2.4	35.3	5731	9.4	
		42%	381	2.9	42.3	6105	9.0	
		45%	431	3.4	50.1	6470	8.6	
		48%	482	4.0	58.7	6823	8.2	
		51%	534	4.6	68.1	7164	7.8	
		54%	587	5.3	78.2	7495	7.5	
		57%	641	6.0	89.0	7818	7.2	
		60%	696	6.8	100.6	8134	6.9	
		63%	752	7.6	113.1	8447	6.7	
		66%	810	8.5	126.4	8758	6.4	
		69%	869	9.5	140.6	9068	6.2	
		72%	930	10.5	155.9	9377	6.0	
		75%	994	11.6	172.1	9686	5.8	
		78%	1060	12.8	189.4	9992	5.6	
		81%	1129	14.0	207.7	10294	5.4	
		84%	1199	15.3	226.9	10589	5.3	
		87%	1271	16.7	247.1	10876	5.1	
90%	1344	18.1	268.0	11153	5.0			
100%	1565	22.8	336.9	11987	4.6			

SkyWalker 2312SL 1250KV

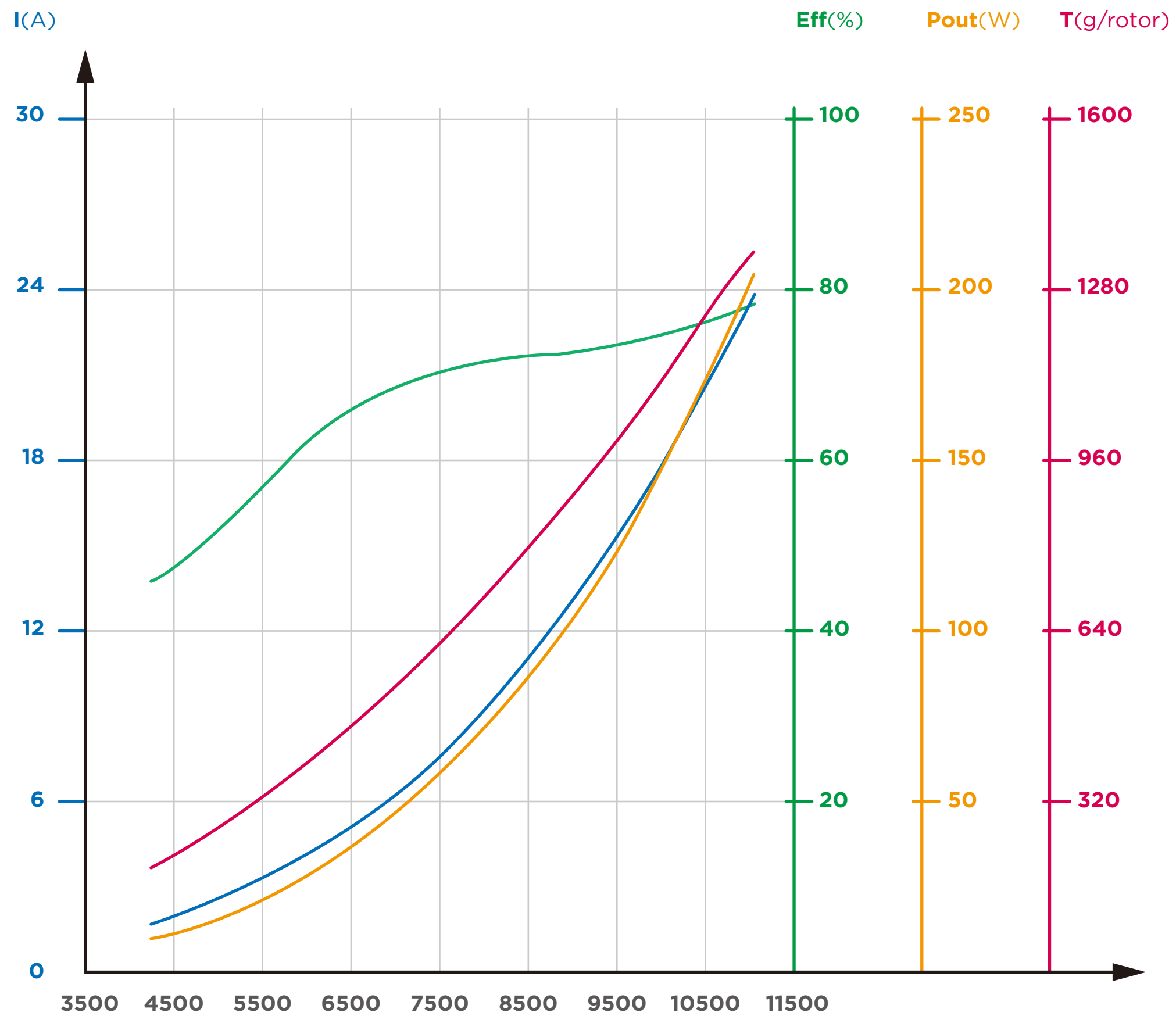
以下数据为室温 25°C、海平面高度的环境下，变化油门输入调节拉力测得。电机温度为100%油门下电机运行10分钟温度。

Under the environment of sea level altitude, the data above is measured in room temperature of 25°C.

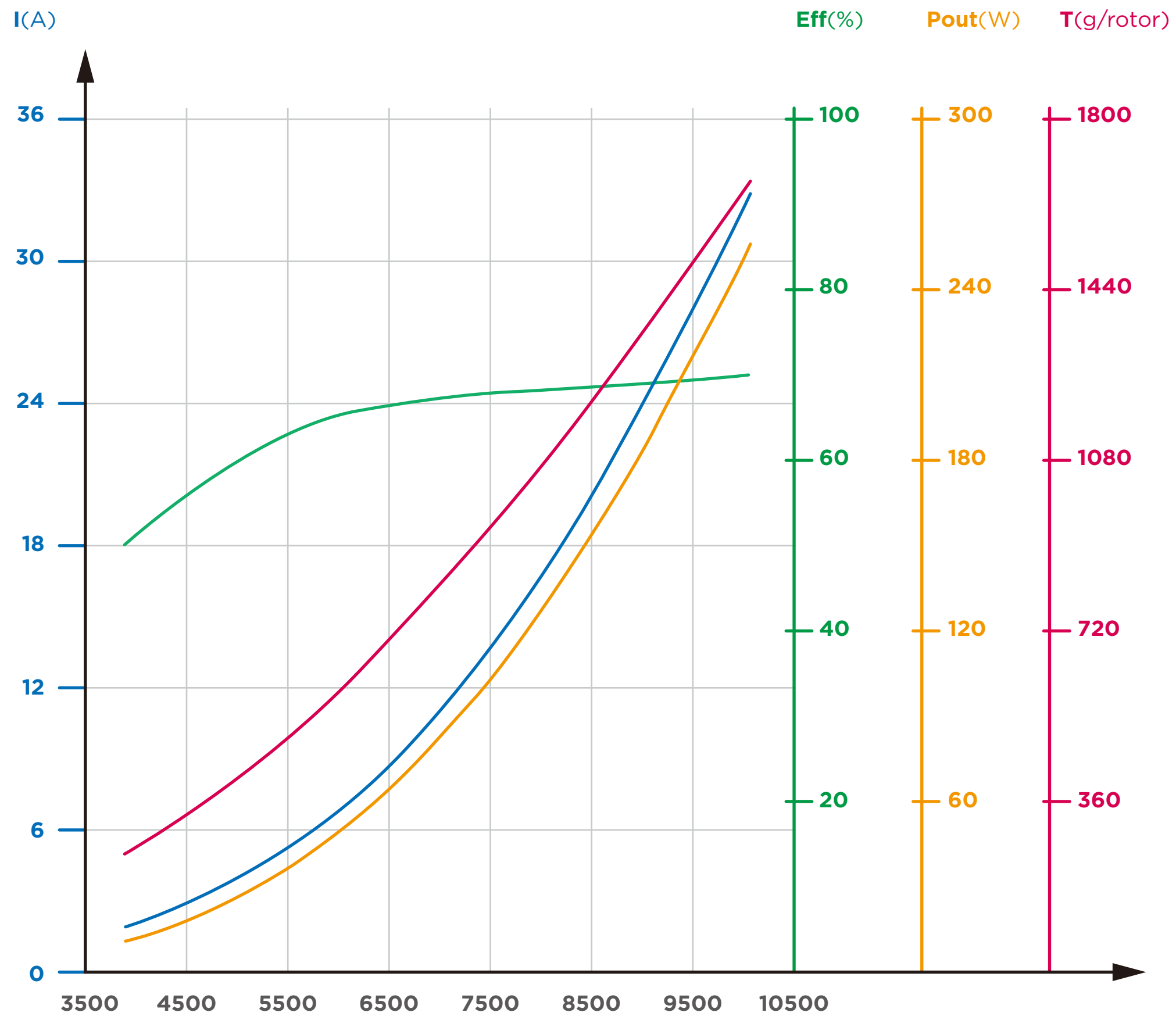
The throttle input is able to adjust the tension, and the motor temperature is the temperature of the rated throttle running for 10 minutes.



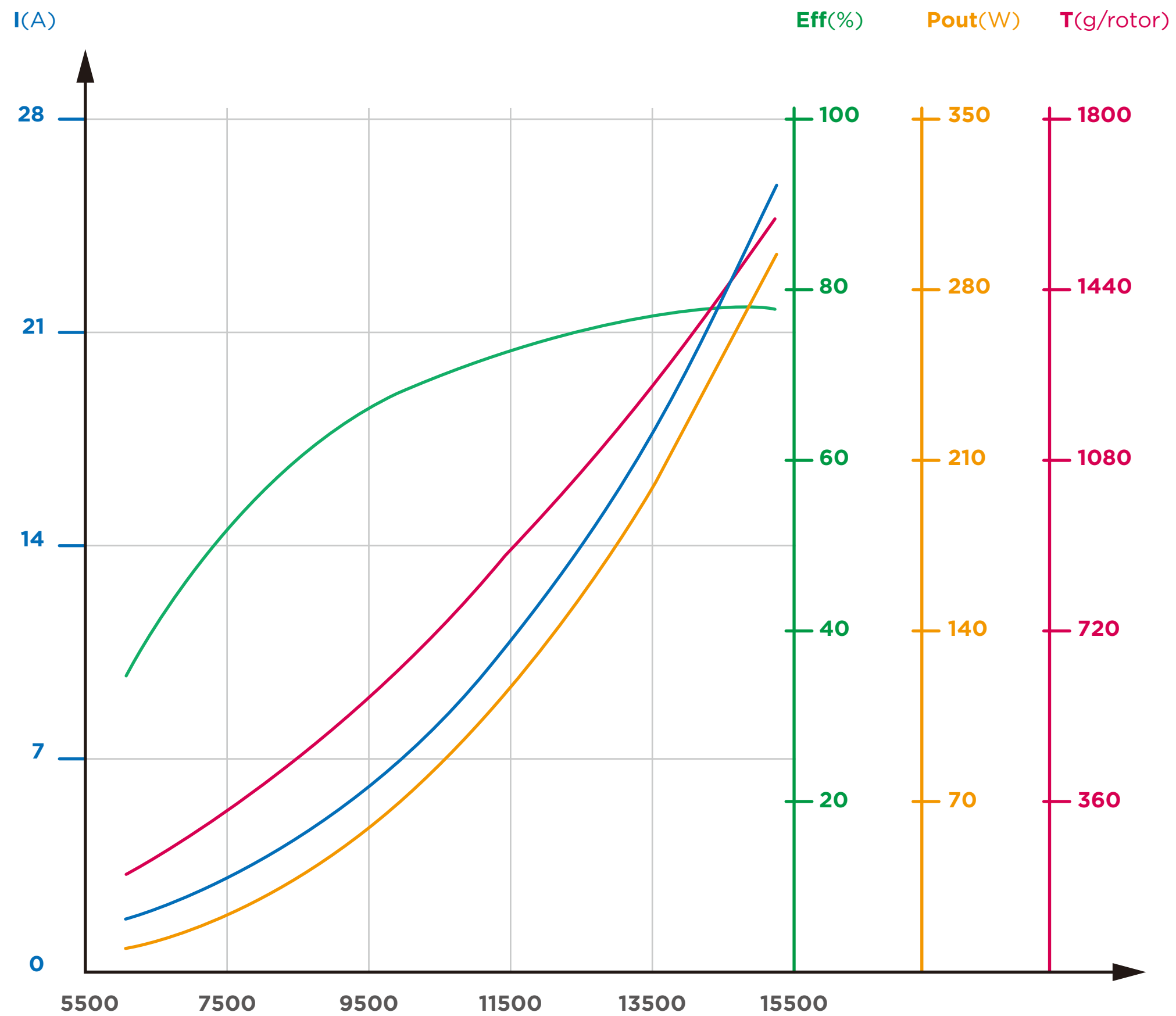
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC8x6E Propeller	30%	139	1.4	15.7	4191	8.8	60°C 10min
		33%	162	1.7	19.2	4504	8.4	
		36%	191	2.1	23.9	4875	8.0	
		39%	223	2.6	29.0	5235	7.7	
		42%	255	3.1	34.6	5580	7.4	
		45%	289	3.7	40.6	5911	7.1	
		48%	323	4.2	47.0	6229	6.9	
		51%	359	4.8	53.8	6537	6.7	
		54%	395	5.5	61.1	6840	6.5	
		57%	433	6.2	69.0	7139	6.3	
		60%	472	7.0	77.4	7437	6.1	
		63%	512	7.8	86.5	7738	5.9	
		66%	555	8.7	96.3	8041	5.8	
		69%	599	9.6	107.0	8347	5.6	
		72%	645	10.7	118.5	8655	5.4	
		75%	693	11.8	130.9	8962	5.3	
		78%	742	13.0	144.2	9265	5.1	
		81%	793	14.3	158.5	9560	5.0	
		84%	845	15.6	173.6	9845	4.9	
		87%	898	17.1	189.5	10118	4.7	
90%	950	18.5	205.9	10381	4.6			
100%	1100	23.1	256.5	11204	4.3			



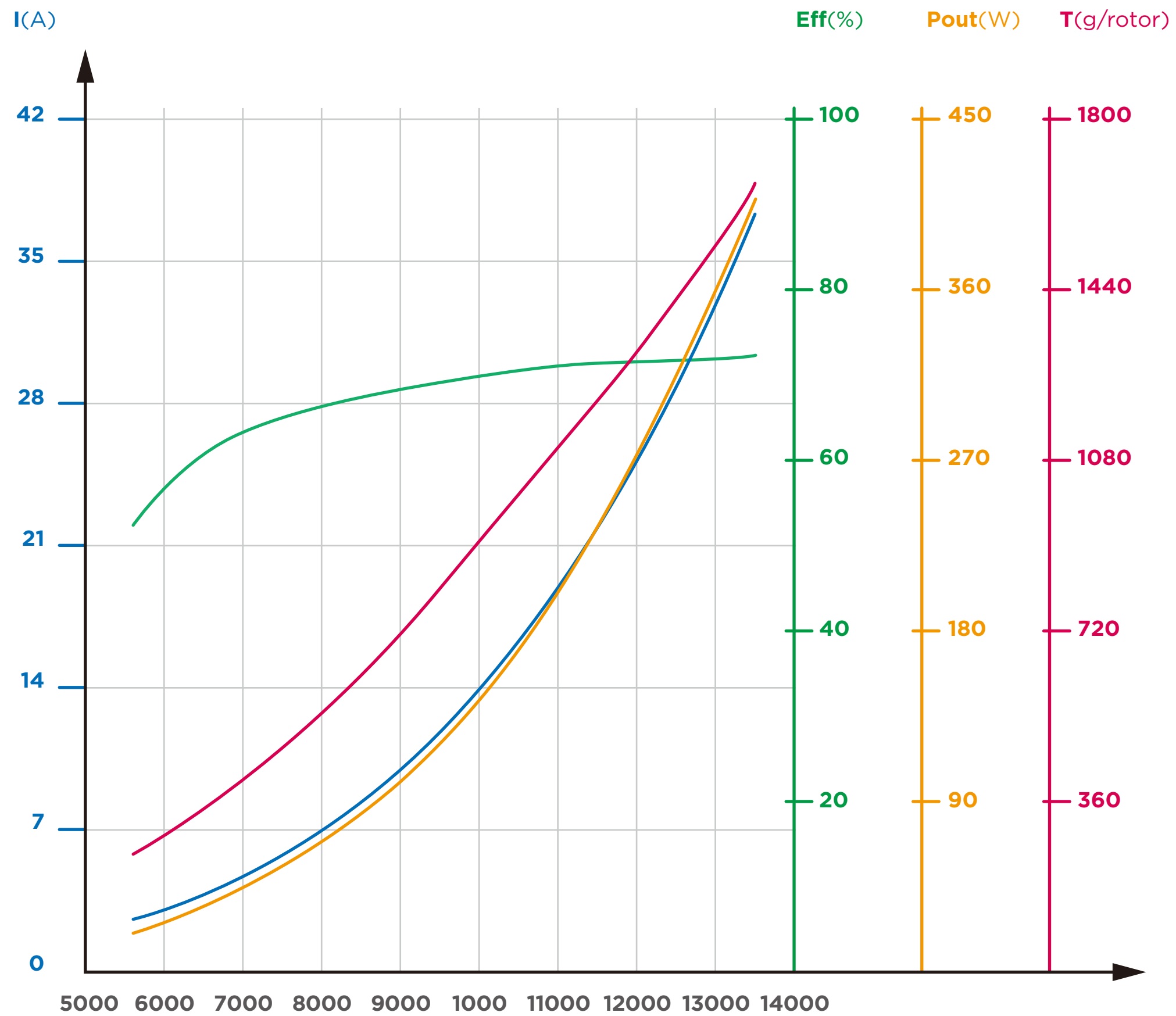
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC9x4.5E Propeller	30%	174	1.2	13.6	4206	12.8	60°C 10min
		33%	202	1.6	17.7	4513	11.5	
		36%	239	2.0	22.8	4882	10.5	
		39%	278	2.5	28.1	5240	9.9	
		42%	319	3.0	33.6	5585	9.5	
		45%	360	3.5	39.4	5916	9.1	
		48%	403	4.1	45.7	6233	8.8	
		51%	446	4.7	52.5	6539	8.5	
		54%	491	5.4	59.9	6838	8.2	
		57%	536	6.1	68.0	7132	7.9	
		60%	583	6.9	76.9	7424	7.6	
		63%	631	7.8	86.6	7716	7.3	
		66%	682	8.7	97.2	8009	7.0	
		69%	734	9.8	108.6	8306	6.8	
		72%	788	10.9	121.0	8604	6.5	
		75%	845	12.1	134.2	8903	6.3	
		78%	904	13.3	148.1	9201	6.1	
		81%	965	14.6	162.7	9494	5.9	
		84%	1027	16.0	177.7	9781	5.8	
		87%	1091	17.4	193.1	10059	5.6	
90%	1154	18.8	208.9	10328	5.5			
100%	1340	23.6	261.6	11153	5.1			



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	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC10x6E Propeller	30%	247	1.9	21.1	3934	11.7	75°C 1min15s
		33%	281	2.3	25.5	4190	11.0	
		36%	325	2.8	31.5	4506	10.3	
		39%	373	3.5	38.4	4824	9.7	
		42%	424	4.2	46.2	5135	9.2	
		45%	477	4.9	54.8	5438	8.7	
		48%	533	5.8	64.3	5731	8.3	
		51%	590	6.7	74.7	6013	7.9	
		54%	648	7.7	85.8	6286	7.5	
		57%	707	8.8	97.9	6550	7.2	
		60%	766	10.0	110.7	6808	6.9	
		63%	827	11.2	124.5	7061	6.6	
		66%	889	12.5	139.1	7310	6.4	
		69%	951	13.9	154.5	7557	6.2	
		72%	1015	15.4	170.9	7802	5.9	
		75%	1079	16.9	188.2	8047	5.7	
		78%	1145	18.6	206.5	8291	5.5	
		81%	1213	20.3	225.7	8536	5.4	
		84%	1282	22.1	246.0	8781	5.2	
		87%	1353	24.1	267.2	9026	5.1	
90%	1426	26.1	289.5	9272	4.9			
100%	1674	32.9	365.9	10067	4.6			



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	Temperature(°C) 电机机壳温度
14.8V (4S LIPO)	APC8x4E Propeller	30%	197	1.6	23.3	5757	8.5	70°C 10min
		33%	236	1.9	28.8	6226	8.2	
		36%	283	2.4	35.9	6760	7.9	
		39%	331	2.9	43.6	7261	7.6	
		42%	381	3.5	51.8	7733	7.3	
		45%	431	4.1	60.6	8179	7.1	
		48%	482	4.7	70.0	8604	6.9	
		51%	534	5.4	80.0	9014	6.7	
		54%	587	6.1	90.8	9414	6.5	
		57%	642	6.9	102.3	9807	6.3	
		60%	698	7.7	114.7	10198	6.1	
		63%	755	8.6	128.1	10590	5.9	
		66%	815	9.6	142.5	10984	5.7	
		69%	877	10.7	158.1	11383	5.5	
		72%	941	11.8	175.0	11787	5.4	
		75%	1007	13.0	193.1	12193	5.2	
		78%	1075	14.3	212.5	12600	5.1	
		81%	1145	15.7	233.2	13005	4.9	
		84%	1217	17.2	255.2	13404	4.8	
		87%	1290	18.7	278.3	13794	4.6	
90%	1362	20.4	302.3	14173	4.5			
100%	1582	25.6	380.5	15296	4.2			



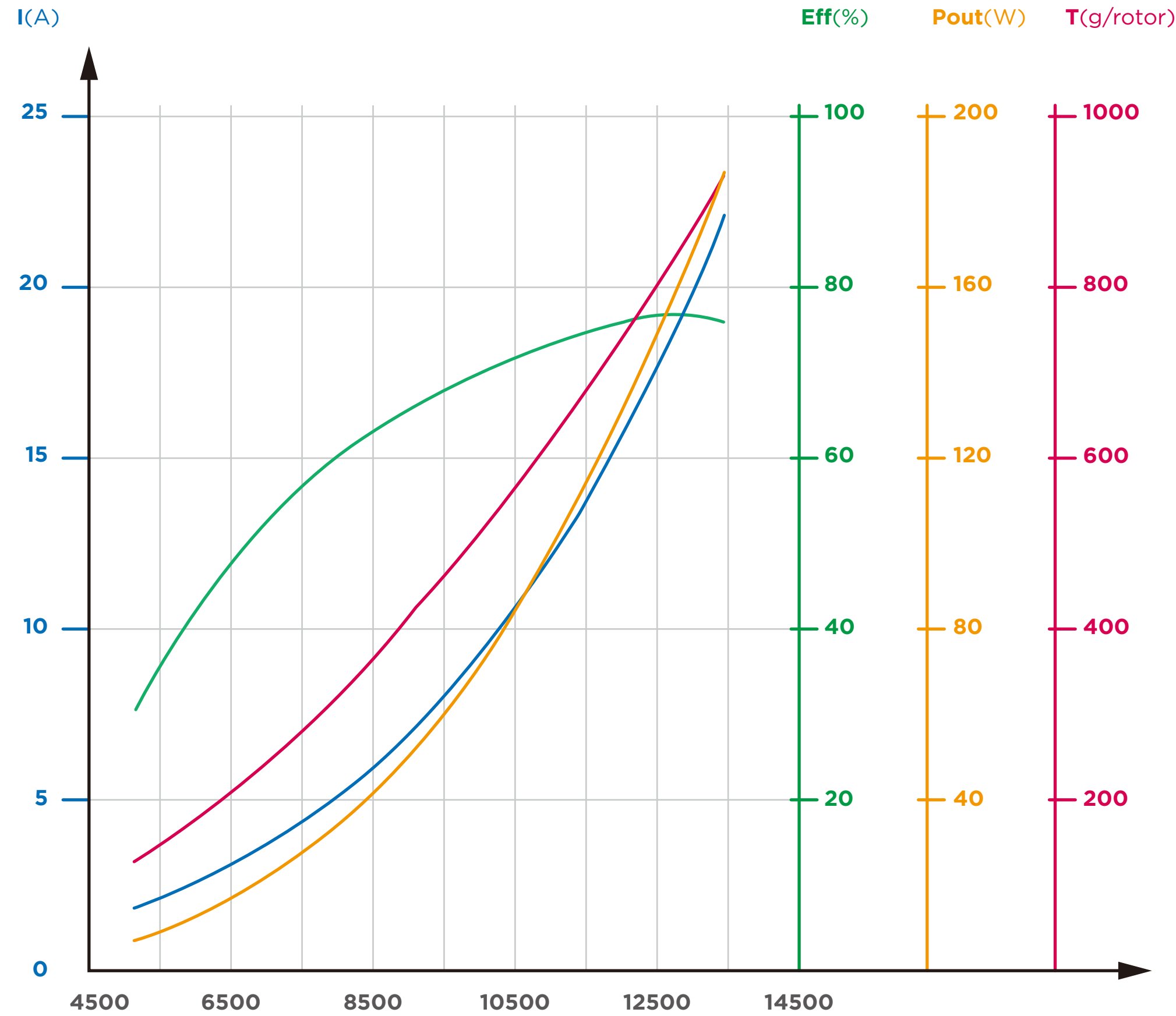
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Temperature(°C) 电机机壳温度
14.8V (4S LIPO)	APC8x4E Propeller	30%	243	2.3	34.6	5528	7.0	80°C 35s
		33%	279	2.8	41.7	5895	6.7	
		36%	325	3.4	50.9	6324	6.4	
		39%	374	4.1	61.2	6741	6.1	
		42%	425	4.9	72.4	7148	5.9	
		45%	479	5.7	84.8	7545	5.7	
		48%	536	6.6	98.2	7932	5.5	
		51%	595	7.6	112.9	8308	5.3	
		54%	656	8.7	128.7	8674	5.1	
		57%	719	9.8	145.8	9031	4.9	
		60%	783	11.1	164.3	9381	4.8	
		63%	847	12.4	184.1	9724	4.6	
		66%	913	13.8	205.4	10062	4.4	
		69%	978	15.4	228.2	10396	4.3	
		72%	1043	17.0	252.5	10727	4.1	
		75%	1108	18.7	278.3	11055	4.0	
		78%	1173	20.6	305.8	11381	3.8	
		81%	1238	22.6	334.9	11705	3.7	
		84%	1303	24.6	365.8	12028	3.6	
		87%	1370	26.9	398.7	12352	3.4	
90%	1439	29.2	433.9	12678	3.3			
100%	1691	38.0	563.0	13699	3.0			

SkyWalker 2312SL 1400KV

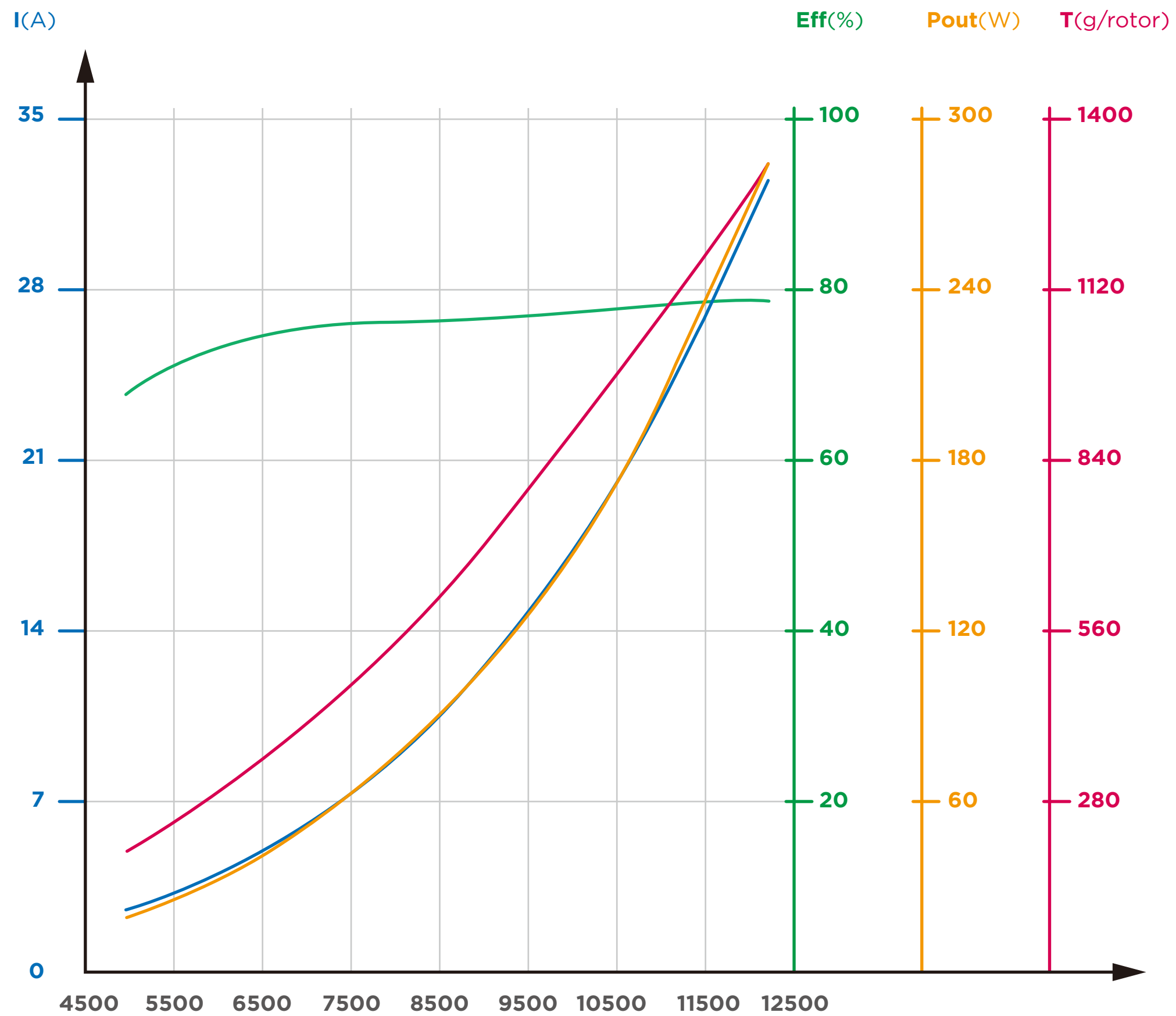
以下数据为室温 25°C、海平面高度的环境下，变化油门输入调节拉力测得。电机温度为100%油门下电机运行10分钟温度。

Under the environment of sea level altitude, the data above is measured in room temperature of 25°C.

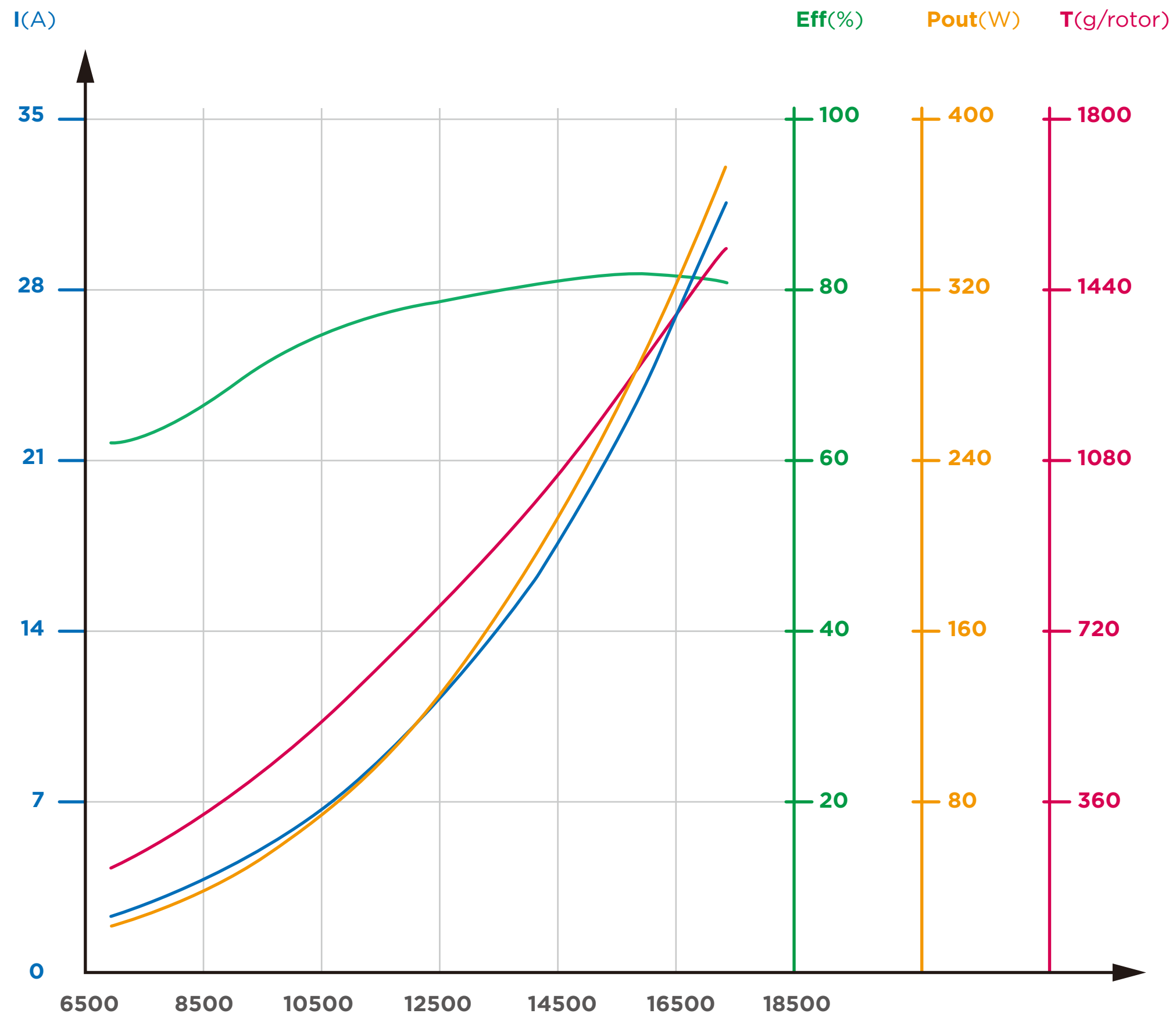
The throttle input is able to adjust the tension, and the motor temperature is the temperature of the rated throttle running for 10 minutes.



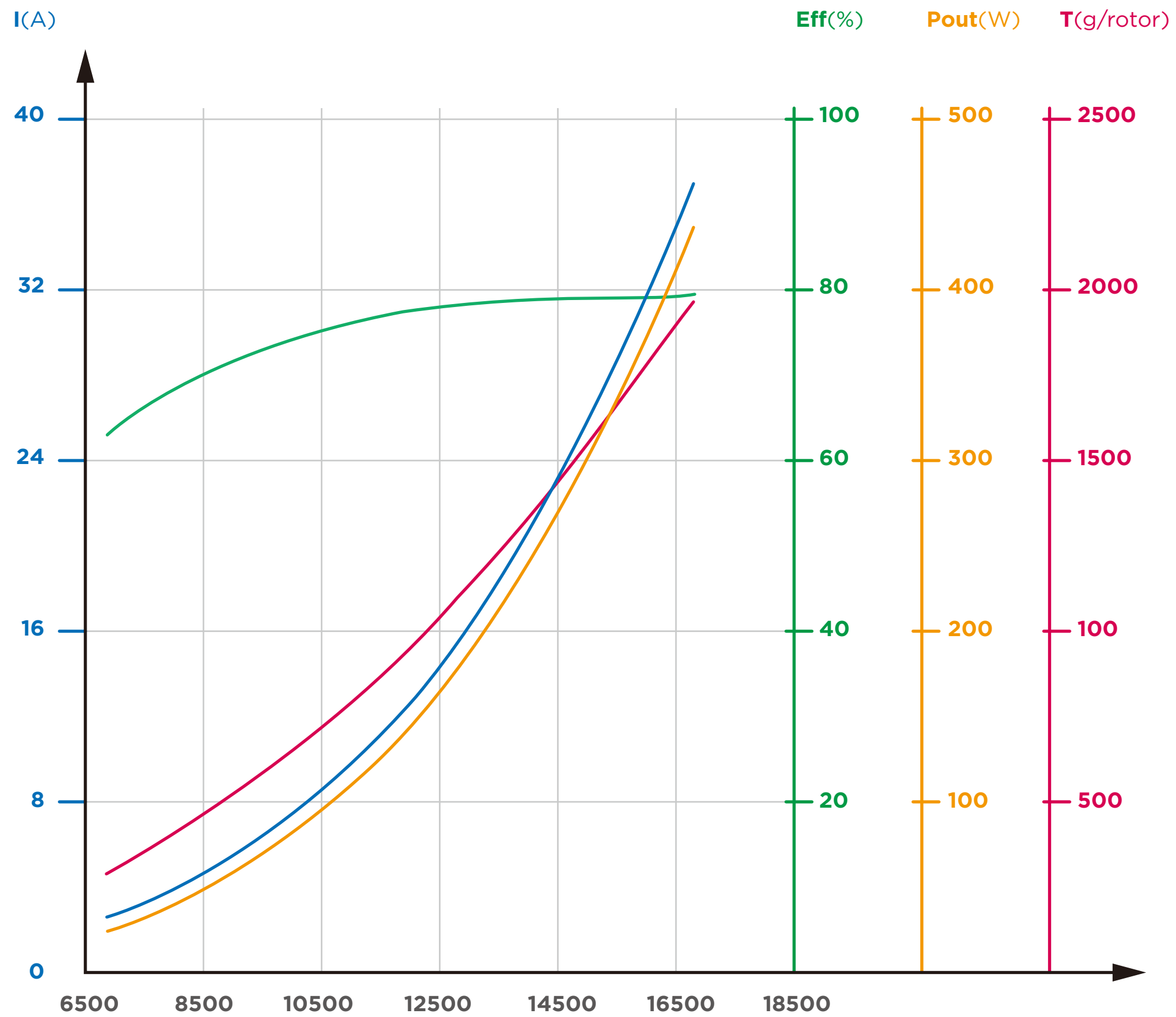
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC7x6E Propeller	30%	121	1.6	18.2	5119	6.6	50°C 10min
		33%	136	1.9	20.9	5395	6.5	
		36%	159	2.2	25.0	5798	6.4	
		39%	186	2.7	29.8	6236	6.2	
		42%	216	3.2	35.1	6679	6.1	
		45%	247	3.7	40.9	7111	6.0	
		48%	279	4.2	47.1	7524	5.9	
		51%	312	4.8	53.7	7917	5.8	
		54%	345	5.4	60.6	8291	5.7	
		57%	378	6.1	68.0	8652	5.6	
		60%	411	6.8	75.8	9003	5.4	
		63%	445	7.6	84.1	9348	5.3	
		66%	479	8.4	93.1	9692	5.1	
		69%	515	9.2	102.7	10038	5.0	
		72%	552	10.2	113.2	10389	4.9	
		75%	591	11.2	124.7	10745	4.7	
		78%	631	12.3	137.1	11106	4.6	
		81%	673	13.5	150.4	11469	4.5	
		84%	716	14.8	164.8	11831	4.3	
		87%	760	16.2	180.0	12186	4.2	
90%	804	17.6	195.8	12528	4.1			
100%	929	22.1	245.0	13466	3.8			



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	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC8x6E Propeller	30%	184	2.2	23.9	4893	7.7	70°C 10min
		33%	210	2.5	27.9	5181	7.6	
		36%	244	3.0	33.4	5539	7.3	
		39%	280	3.6	39.9	5903	7.0	
		42%	319	4.3	47.2	6269	6.8	
		45%	359	5.0	55.5	6633	6.5	
		48%	402	5.8	64.5	6992	6.2	
		51%	446	6.7	74.4	7346	6.0	
		54%	493	7.7	85.2	7692	5.8	
		57%	540	8.7	96.7	8031	5.6	
		60%	590	9.8	109.0	8364	5.4	
		63%	641	11.0	122.3	8690	5.2	
		66%	694	12.3	136.4	9010	5.1	
		69%	748	13.6	151.5	9324	4.9	
		72%	803	15.1	167.6	9635	4.8	
		75%	860	16.6	184.9	9942	4.7	
		78%	918	18.3	203.3	10246	4.5	
		81%	976	20.1	222.9	10548	4.4	
		84%	1035	21.9	243.7	10846	4.2	
		87%	1094	23.9	265.6	11141	4.1	
90%	1152	26.0	288.3	11432	4.0			
100%	1328	32.6	362.0	12293	3.7			



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	Temperature(°C) 电机机壳温度
14.8V (4S LIPO)	APC7x5E Propeller	30%	207	2.1	30.7	6791	6.7	65°C 10min
		33%	239	2.5	37.1	7278	6.4	
		36%	281	3.0	45.3	7853	6.2	
		39%	325	3.6	54.0	8409	6.0	
		42%	370	4.3	63.2	8941	5.9	
		45%	418	4.9	73.2	9449	5.7	
		48%	467	5.6	83.9	9937	5.6	
		51%	517	6.4	95.5	10409	5.4	
		54%	568	7.3	108.1	10870	5.3	
		57%	621	8.2	121.9	11325	5.1	
		60%	675	9.2	136.8	11776	4.9	
		63%	731	10.3	153.1	12228	4.8	
		66%	788	11.5	170.8	12681	4.6	
		69%	847	12.8	189.9	13136	4.5	
		72%	909	14.2	210.5	13593	4.3	
		75%	972	15.7	232.7	14047	4.2	
		78%	1037	17.3	256.4	14497	4.0	
		81%	1104	19.0	281.5	14938	3.9	
		84%	1173	20.8	308.2	15366	3.8	
		87%	1242	22.7	336.2	15780	3.7	
90%	1312	24.6	365.6	16183	3.6			
100%	1527	31.6	467.9	17473	3.3			



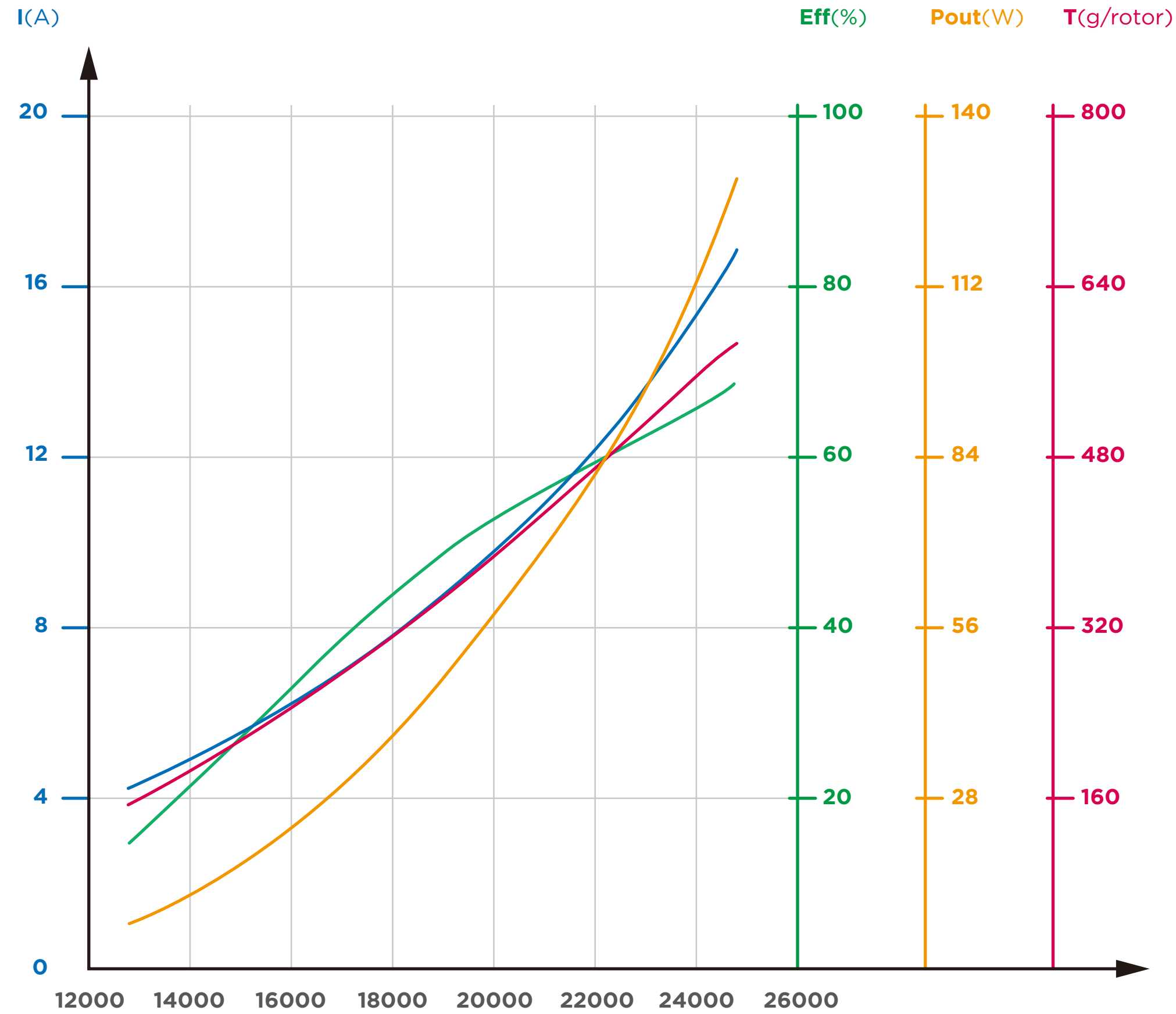
Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Temperature(°C) 电机机壳温度
14.8V (4S LIPO)	APC8x4E Propeller	30%	290	2.5	37.7	6673	7.7	80°C 1min5s
		33%	337	3.1	45.6	7155	7.4	
		36%	393	3.7	55.5	7695	7.1	
		39%	449	4.4	66.0	8204	6.8	
		42%	505	5.2	77.2	8689	6.5	
		45%	562	6.0	89.1	9157	6.3	
		48%	620	6.9	101.9	9613	6.1	
		51%	680	7.8	115.8	10059	5.9	
		54%	742	8.8	130.7	10500	5.7	
		57%	806	9.9	146.9	10936	5.5	
		60%	873	11.1	164.5	11370	5.3	
		63%	943	12.4	183.6	11802	5.1	
		66%	1016	13.8	204.2	12231	5.0	
		69%	1092	15.3	226.5	12658	4.8	
		72%	1171	16.9	250.6	13082	4.7	
		75%	1252	18.6	276.5	13501	4.5	
		78%	1336	20.5	304.2	13915	4.4	
		81%	1423	22.5	333.8	14323	4.3	
		84%	1511	24.6	365.3	14725	4.1	
		87%	1601	26.9	398.5	15122	4.0	
90%	1692	29.2	433.3	15515	3.9			
100%	1976	37.2	552.1	16787	3.6			

SkyWalker 2312SL 2450KV

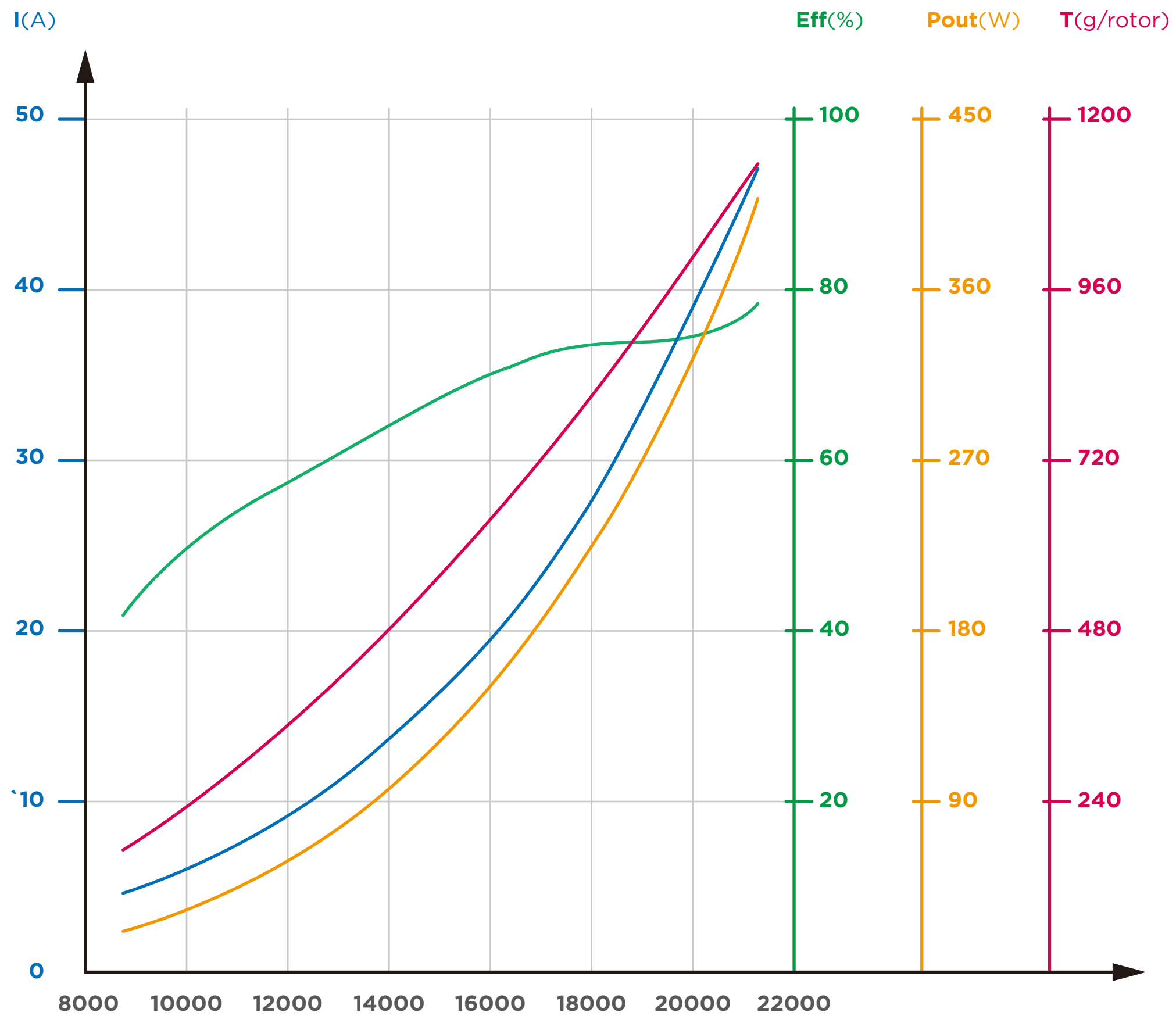
以下数据为室温 25°C、海平面高度的环境下，变化油门输入调节拉力测得。电机温度为100%油门下电机运行10分钟温度。

Under the environment of sea level altitude, the data above is measured in room temperature of 25°C.

The throttle input is able to adjust the tension, and the motor temperature is the temperature of the rated throttle running for 10 minutes.



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	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC5x3E Propeller	30%	69	2.4	26.2	9029	2.6	45°C 10min
		33%	78	2.6	28.7	9510	2.7	
		36%	92	2.9	32.1	10173	2.8	
		39%	107	3.2	36.0	10895	3.0	
		42%	124	3.6	40.1	11646	3.1	
		45%	142	4.0	44.5	12408	3.2	
		48%	162	4.4	49.1	13169	3.3	
		51%	183	4.9	53.9	13923	3.4	
		54%	204	5.3	59.0	14668	3.5	
		57%	227	5.8	64.4	15405	3.5	
		60%	250	6.3	70.2	16135	3.6	
		63%	274	6.9	76.4	16860	3.6	
		66%	299	7.5	83.0	17580	3.6	
		69%	325	8.1	90.1	18296	3.6	
		72%	351	8.8	97.7	19006	3.6	
		75%	379	9.5	105.7	19709	3.6	
		78%	406	10.3	114.1	20402	3.6	
		81%	434	11.1	123.1	21081	3.5	
		84%	462	12.0	132.6	21742	3.5	
		87%	491	12.9	142.6	22385	3.4	
90%	518	13.8	153.1	23008	3.4			
100%	596	17.1	189.1	24828	3.2			



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	Temperature(°C) 电机机壳温度
11.1V (3S LIPO)	APC6x6E Propeller	30%	166	4.5	49.8	8569	3.3	70°C 10min
		33%	186	4.8	53.9	8976	3.4	
		36%	215	5.5	60.9	9565	3.5	
		39%	249	6.3	70.1	10210	3.5	
		42%	286	7.3	81.1	10873	3.5	
		45%	324	8.4	93.6	11528	3.5	
		48%	363	9.6	106.9	12163	3.4	
		51%	403	10.9	121.0	12772	3.3	
		54%	442	12.2	135.6	13355	3.3	
		57%	481	13.6	150.7	13915	3.2	
		60%	520	15.0	166.3	14456	3.1	
		63%	560	16.4	182.7	14983	3.1	
		66%	600	18.0	200.0	15502	3.0	
		69%	641	19.7	218.7	16018	2.9	
		72%	684	21.5	239.0	16535	2.9	
		75%	728	23.6	261.5	17056	2.8	
		78%	774	25.8	286.5	17582	2.7	
		81%	823	28.3	314.3	18111	2.6	
		84%	873	31.1	345.0	18642	2.5	
87%	925	34.1	378.5	19171	2.4			
90%	978	37.3	414.0	19694	2.4			
100%	1136	47.0	521.4	21257	2.2			