



LOAD PERFORMANCE PARAMETERS

负载性能参数

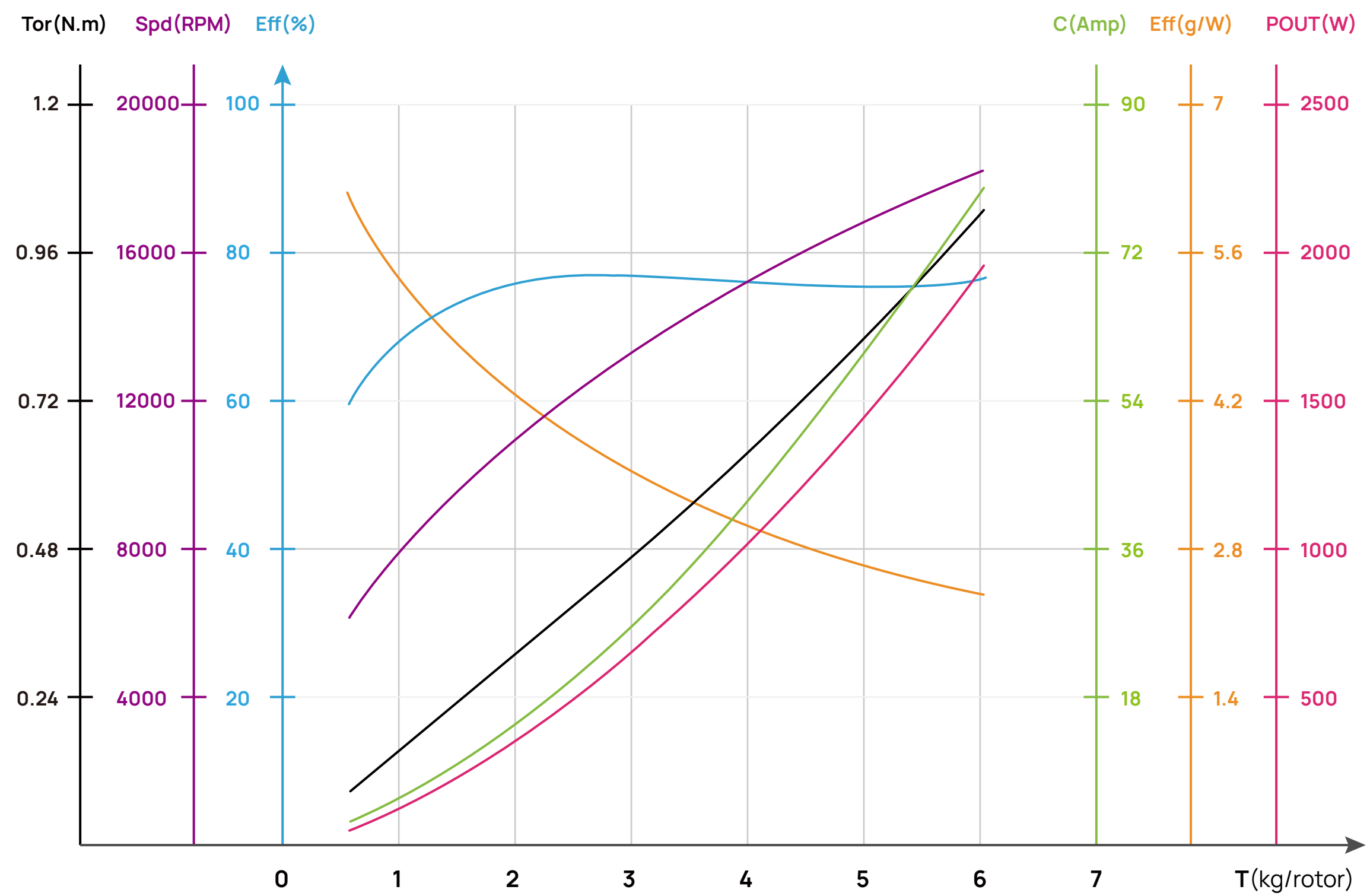
以下数据为好盈实验室于室温25℃、海平面高度，变化油门输入调节测得。电机外壳温度为1.2倍额定拉力下油门运行10分钟数据，仅供参考。

The below data was measured by HOBBYWING Laboratory at room temperature 25°C, at sea level, with varying throttle input.

The motor housing temperature is measured after running for 10 minutes at 1.2 times rated thrust , for reference only.

XRotor 3120 PRO 700KV负载性能参数

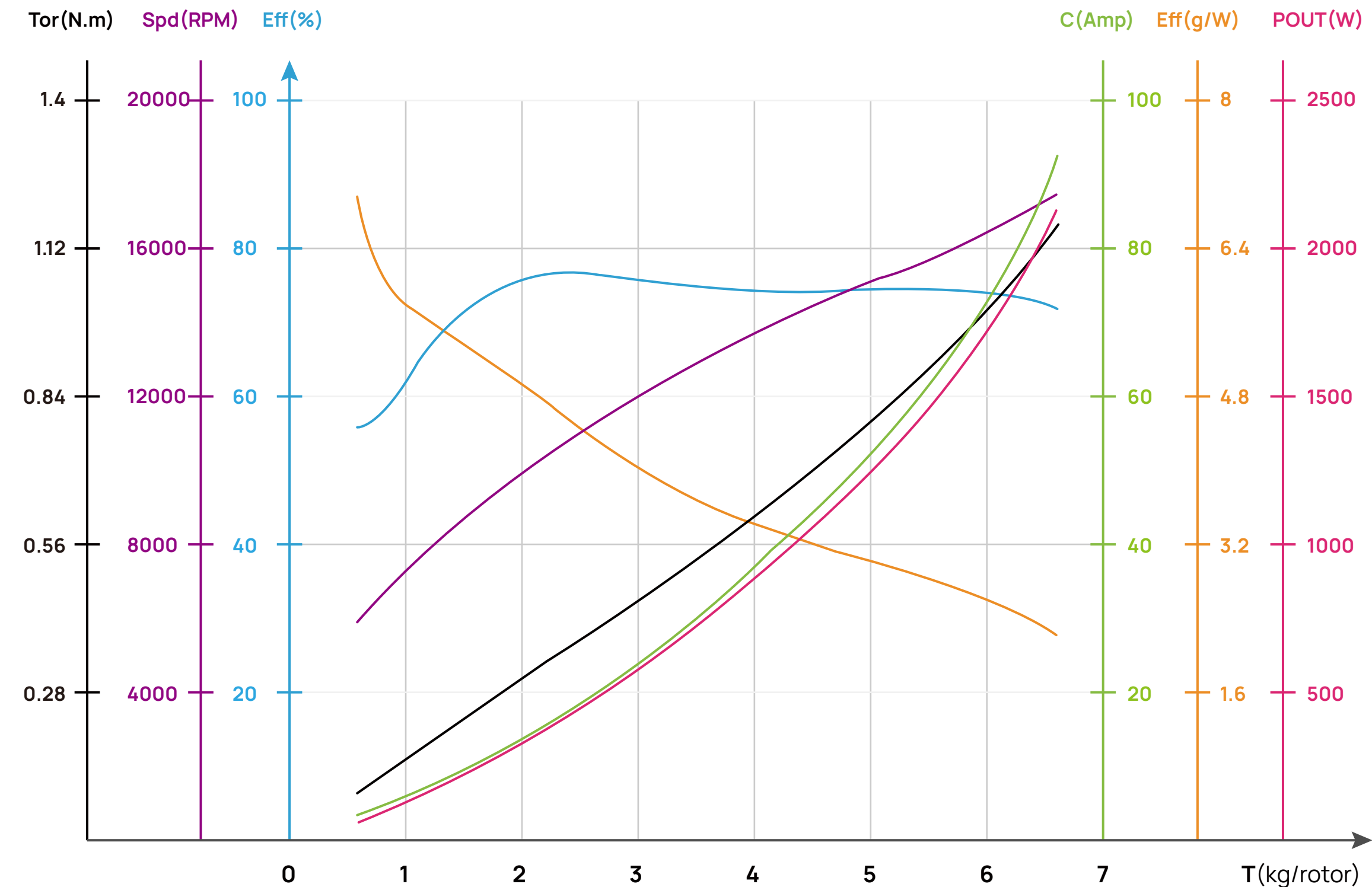
XRotor 3120 PRO 700KV Load Performance Parameters



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Power Output(W) 输出功率	Recommended full load continuous running time 推荐满载满油门连续运行时间
32V (8S LiPo)	HQ9X5X3 Propeller	33%	689	3.7	118.3	6649	5.8	0.11	73.7	39s
		35%	782	4.3	138.5	7033	5.6	0.12	89.0	
		37%	882	5.0	161.2	7433	5.5	0.14	106.6	
		39%	989	5.8	186.3	7842	5.3	0.15	126.5	
		42%	1162	7.1	228.5	8462	5.1	0.18	160.5	
		45%	1346	8.6	276.2	9078	4.9	0.21	199.4	
		48%	1539	10.3	329.7	9684	4.7	0.24	243.1	
		51%	1741	12.2	389.2	10273	4.5	0.27	291.5	
		54%	1950	14.2	455.0	10846	4.3	0.30	344.5	
		57%	2166	16.5	527.4	11401	4.1	0.34	402.2	
		60%	2387	19.0	606.9	11941	3.9	0.37	464.8	
		63%	2614	21.7	693.9	12466	3.8	0.41	532.3	
		66%	2847	24.7	788.7	12978	3.6	0.45	605.1	
		69%	3086	27.9	892.0	13480	3.5	0.48	683.5	
		72%	3332	31.4	1004.3	13973	3.3	0.52	767.8	
		75%	3584	35.2	1126.2	14457	3.2	0.57	858.6	
		78%	3844	39.3	1258.1	14934	3.1	0.61	956.1	
		81%	4112	43.8	1400.7	15404	2.9	0.66	1061.1	
		84%	4389	48.6	1554.2	15865	2.8	0.71	1174.0	
		87%	4675	53.7	1719.0	16318	2.7	0.76	1295.5	
		90%	4972	59.2	1894.9	16762	2.6	0.81	1426.5	
		100%	6038	79.8	2551.3	18200	2.4	1.02	1953.4	

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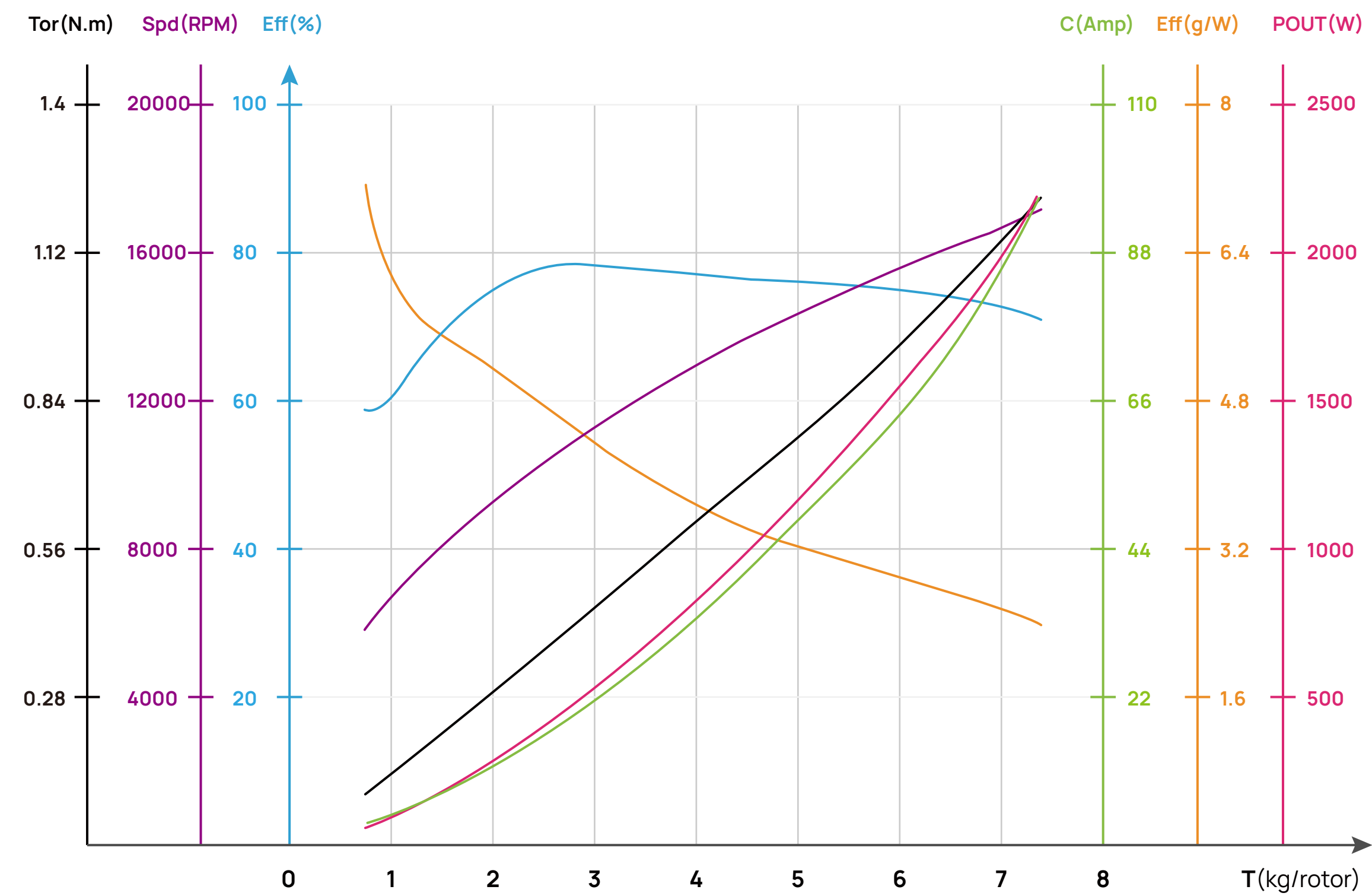
XRotor 3120 PRO 700KV Load Performance Parameters



Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率	Torque(N·m) 扭矩	Power Output(W) 输出功率	Recommended full load continuous running time 推荐满载油门连续运行时间
32V (8S LiPo)	GF1050 Propeller	33%	767	3.8	121.8	6348	6.3	0.10	69.1	19s
		35%	878	4.6	145.8	6734	6.0	0.12	85.7	
		37%	1001	5.4	171.9	7144	5.8	0.14	105.6	
		39%	1136	6.3	200.1	7567	5.7	0.16	128.7	
		42%	1353	7.7	246.4	8205	5.5	0.20	168.9	
		45%	1583	9.3	298.5	8831	5.3	0.23	215.2	
		48%	1822	11.2	358.0	9436	5.1	0.27	266.8	
		51%	2068	13.3	425.7	10018	4.9	0.31	323.3	
		54%	2319	15.7	502.4	10578	4.6	0.35	384.4	
		57%	2575	18.4	588.6	11119	4.4	0.39	450.0	
		60%	2837	21.4	684.3	11643	4.1	0.43	520.3	
		63%	3105	24.7	789.4	12152	3.9	0.47	595.8	
		66%	3379	28.3	903.7	12649	3.7	0.51	677.0	
		69%	3662	32.1	1026.7	13133	3.6	0.56	764.6	
		72%	3953	36.2	1158.4	13602	3.4	0.60	859.3	
		75%	4253	40.6	1298.4	14056	3.3	0.65	962.0	
		78%	4560	45.3	1447.5	14494	3.2	0.71	1073.6	
		81%	4872	50.3	1607.3	14916	3.0	0.76	1194.7	
		84%	5185	55.7	1780.7	15325	2.9	0.83	1326.3	
		87%	5494	61.7	1971.7	15729	2.8	0.89	1468.6	
		90%	5792	68.3	2183.8	16136	2.7	0.96	1620.9	
		100%	6561	92.3	2952.4v	17456	2.2	1.16	2122.9	

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32V (8S LiPo)	HQ11X4.5X3 Propeller	33%	817	4.0	127.2	6300	6.4	0.11	75.2	16s
		35%	934	4.8	153.2	6677	6.1	0.13	92.9	
		37%	1068	5.7	182.3	7086	5.9	0.15	114.6	
		39%	1216	6.7	213.8	7512	5.7	0.18	140.1	
		42%	1458	8.3	265.7	8156	5.5	0.22	184.8	
		45%	1716	10.1	323.7	8784	5.3	0.26	236.5	
		48%	1984	12.2	388.9	9386	5.1	0.30	294.1	
		51%	2258	14.5	462.2	9959	4.9	0.34	357.1	
		54%	2536	17.0	544.3	10506	4.7	0.39	424.9	
		57%	2816	19.9	635.4	11030	4.4	0.43	497.4	
		60%	3099	23.0	735.5	11536	4.2	0.48	574.7	
		63%	3385	26.4	844.6	12028	4.0	0.52	656.9	
		66%	3675	30.1	962.6	12509	3.8	0.57	744.4	
		69%	3972	34.1	1089.8	12981	3.6	0.62	837.9	
		72%	4277	38.3	1226.0	13444	3.5	0.67	937.9	
		75%	4591	42.9	1371.3	13898	3.3	0.72	1044.6	
		78%	4914	47.7	1526.2	14339	3.2	0.77	1158.4	
		81%	5247	52.9	1691.0	14765	3.1	0.83	1279.3	
		84%	5588	58.4	1867.1	15172	3.0	0.89	1407.3	
		87%	5933	64.3	2056.7	15562	2.9	0.95	1542.1	
		90%	6279	70.8	2262.9	15935	2.8	1.01	1683.7	
		100%	7329	96.5	3086.8	17155	2.4	1.22	2191.1	