

UAVM-HV-8120-160KV-32*10.5"技术参数parameters

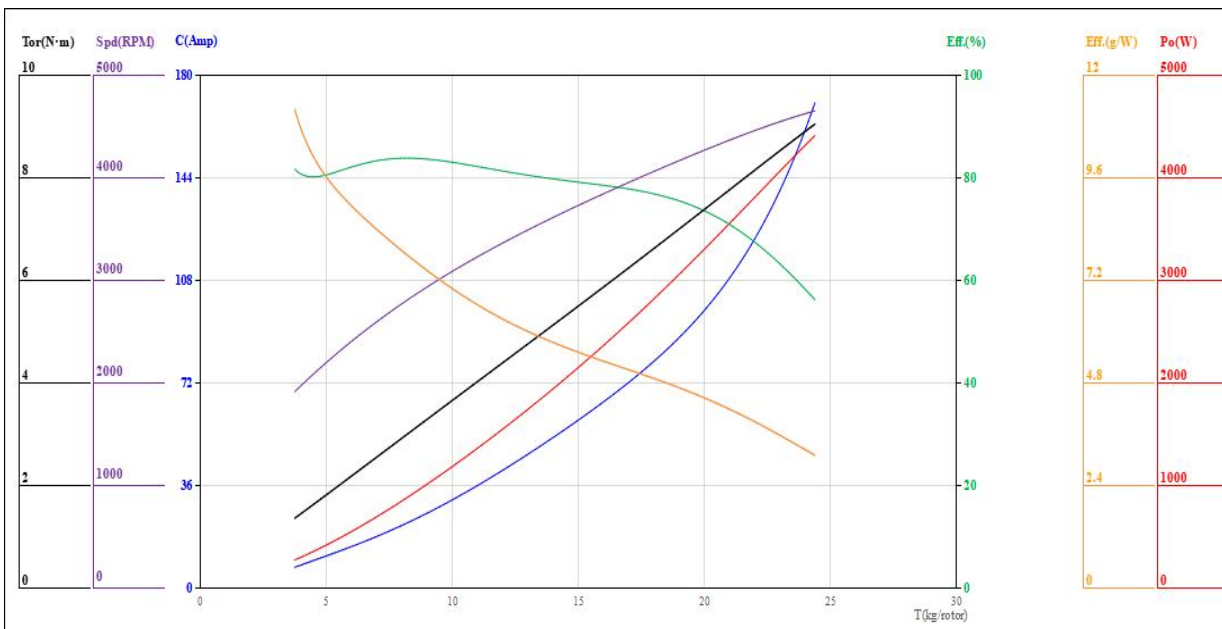
电机

Motor

额定电压/V	12S	重量 (含线) /g	630
Battery(LiPo)		Weight (With wire)	
空载电流/A	4.1	桨叶安装尺寸/mm	4×M4@D23
No-laod current		Props mounting dimensions	
最大电流/A(非密闭环境温度 ≤25 °C)	170	电机安装尺寸	4×M4@D40
Maximum current (Non-hermetic Ambient Temperature ≤ 25°C)		Motor mounting dimensions	
KV值	160	电机整体动平衡标准	≤10mg
KV		Dynamic balance	
定子尺寸/mm	Φ81	标准出线长度及规格	850mm/12AWG
Stator Size		Wire length&Size	
电机尺寸/mm	Φ87.7*47.9	防护等级	IPX5
Motor Size		Protection level	
内阻/mΩ	30.8	桨叶	
Resistance		Propeller	
槽极数	36S40P	直径/螺距	32*10.5"
Bearing型号	进口滚珠轴承(防水)	Diameter*Thread Pitch	
Bearing			

负载性能参数

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(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 力效	Torque(N-m) 扭矩	Temperature(°C) 电机温度
46V (12S LiPo)	32*10.5 inch	32%	3750	7.3	334.7	1917	11.2	1.36	12.75kg-110°C
		33%	3902	7.8	357.5	1953	10.9	1.42	
		36%	4784	10.6	487.5	2154	9.8	1.74	
		39%	5637	13.3	614.4	2334	9.2	2.05	
		42%	6486	16.2	747.6	2502	8.7	2.36	
		45%	7350	19.4	894.0	2662	8.2	2.68	
		48%	8245	23.0	1059.1	2816	7.8	3.01	
		51%	9177	27.1	1246.9	2966	7.4	3.36	
		54%	10150	31.7	1459.6	3113	7.0	3.72	
		57%	11165	36.9	1697.6	3256	6.6	4.09	
		60%	12216	42.6	1959.6	3396	6.2	4.48	
		63%	13296	48.7	2242.7	3532	5.9	4.87	
		66%	14396	55.3	2544.3	3664	5.7	5.28	
		69%	15504	62.2	2862.8	3792	5.4	5.69	
		72%	16608	69.5	3199.5	3915	5.2	6.10	
		75%	17693	77.3	3558.6	4033	5.0	6.51	
		78%	18746	85.7	3947.6	4145	4.7	6.91	
		81%	19754	95.0	4374.9	4248	4.5	7.29	
		84%	20704	105.3	4847.6	4343	4.3	7.66	
		87%	21586	116.6	5368.2	4427	4.0	8.00	
90%	22391	128.9	5932.6	4499	3.8	8.30			
100%	24391	170.5	7848.9	4657	3.1	9.06			

以上数据为好盈实验室于室温 25°C、海平面高度，变化油门输入调节测得，电机温度为65%油门运行10分钟测得，仅供参考。

The above data is measured by HobbyWing laboratory at room temperature 25°C, sea level, change the throttle input adjustment, the motor temperature is 65% and the throttle runs for 10 minutes, for reference only.

外观图

External view

