

# UAVM-HV-8114-160KV-29\*9.5"技术参数parameters

## 电机 Motor

额定电压/V Battery(LiPo)	12S	重量 (含线) /g Weight&With Wire	482
空载电流/A No-laod current	2.9	桨叶安装尺寸/mm Props mounting dimensions	4×M3@D32
最大电流/A(非密闭环境温度 ≤25 °C) Maximum current (Non-hermetic Ambient Temperature ≤ 25°C)	105.9	电机安装尺寸 Motor mounting dimensions	4×M4@D40
KV值 KV	160	电机整体动平衡标准 Dynamic balance	≤10mg
定子尺寸/mm Stator Size	Φ81	标准出线长度及规格 Wire length&Size	1000mm/14AWG
电机尺寸/mm Motor Size	Φ87.7*42.7	防护等级 Protection level	IPX5
内阻/mΩ Resistance	50.9		
槽极数	36S40P		
轴承型号 Bearing	进口滚珠轴承(防水)		

## 桨叶

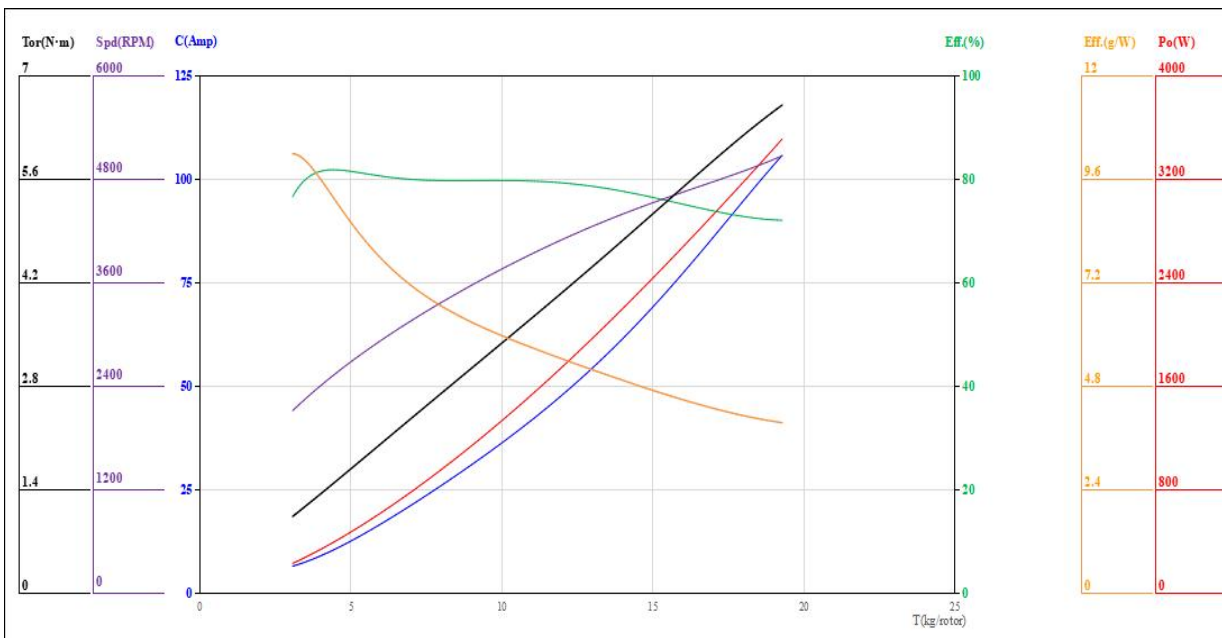
Propeller

直径/螺距  
Diameter\*Thread Pitch

29\*9.5"

## 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)	29+9.5 Inch	32%	3068	6.5	300.7	2119	10.2	1.04	107°C
		33%	3125	6.7	306.4	2138	10.2	1.06	
		36%	3536	7.7	353.2	2270	10.0	1.19	
		39%	4046	9.2	423.1	2424	9.6	1.36	
		42%	4626	11.2	515.6	2587	9.0	1.56	
		45%	5256	13.6	627.7	2753	8.4	1.77	
		48%	5916	16.4	755.3	2916	7.8	2.00	
		51%	6594	19.4	894.1	3073	7.4	2.23	
		54%	7281	22.6	1040.8	3225	7.0	2.46	
		57%	7969	25.9	1193.2	3370	6.7	2.70	
		60%	8658	29.4	1350.4	3509	6.4	2.93	
		63%	9346	32.9	1512.8	3643	6.2	3.17	
		66%	10035	36.6	1681.5	3771	6.0	3.40	
		69%	10731	40.4	1858.9	3894	5.8	3.64	
		72%	11436	44.5	2047.8	4014	5.6	3.88	
		75%	12157	48.9	2251.9	4131	5.4	4.13	
		78%	12901	53.8	2475.3	4245	5.2	4.39	
		81%	13673	59.2	2722.4	4356	5.0	4.66	
		84%	14479	65.2	2997.6	4466	4.8	4.95	
		87%	15324	71.8	3304.4	4574	4.6	5.25	
90%	16209	79.2	3644.5	4682	4.4	5.57			
100%	19284	105.9	4871.4	5078	4.0	6.61			

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

