

# HW-X11-14S-G1 C-M11115-95KV-BLACK-G1 技术参数

## HW-X11-14S-G1 C-M11115-95KV-BLACK-G1 Technical Parameters

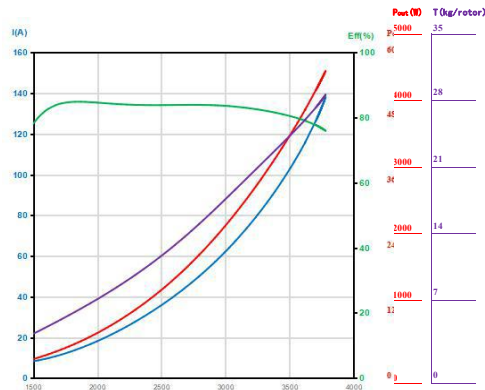
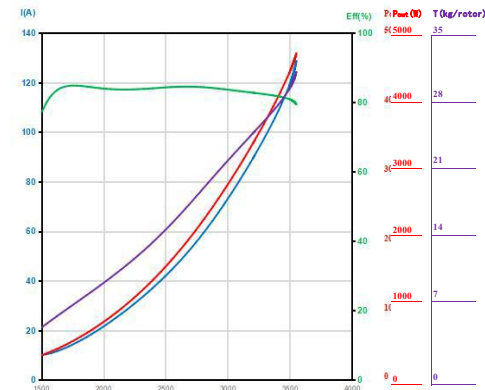
### 技术参数 Technical Parameters

最大拉力 (46V) Max Thrust	34 kg
推荐锂电节数 Recommended Battery	14S LiPo
推荐起飞重量 Recommended Takeoff Weight	15-17kg/rotor
动力总成重量 Total Weight	2340g
适用碳管尺寸 Powertrain Arm Tube Outer Diameter	φ 45mm/50mm
适用环境温度 Operating Temperature	- 20-50°C
防护等级 Ingress Protection	IPX6

### 电机 Motor

定子尺寸 Stator Size	φ 111 *15
KV值 KV	95 rpm/V
电机外径 Motor Size	φ 120.1 *45.2

### 负载性能参数 Load performance parameters



### 电调 ESC

型号 ESC	120A-F0C
PWM输入信号电平 PWM Input Signal Level	3.3V/5V
工作脉宽 Throttle Pulse Width	1050-1950 μs
工作频率 Signal frequency	50-500Hz
最大允许电压 Max Allowable Voltage	61V
持续电流 (非密闭环境温度 ≤ 60 °C) Continuous Current ( Non-hermetic Ambient Temperature ≤ 60°C)	40A
最大电流 (非密闭环境温度 ≤ 60 °C) Maximum Current ( Non-hermetic Ambient Temperature ≤ 60°C)	120A

### 桨叶 Propeller

直径/螺距 Diameter × Thread Pitch	41*13.5 inch
桨叶总重量 Total weight ( inc. adapter)	422g
单片桨叶重量 Single propeller weight	139g

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 (%) 效率
46V (12S LiPo)	41*13.5 Inch Foldable Propeller	40%	8865	18.3	844.5	1902	10.5
		42%	9960	22.2	1022.3	2022	9.7
		44%	10700	24.9	1148.4	2099	9.3
		46%	11575	28.2	1301.0	2187	8.9
		48%	12515	31.8	1466.9	2277	8.5
		50%	13515	35.7	1644.1	2366	8.2
		52%	14650	40.0	1845.9	2461	7.9
		54%	15600	43.7	2016.1	2536	7.7
		56%	16605	47.7	2199.2	2611	7.6
		58%	17605	51.8	2386.6	2684	7.4
		60%	19055	58.0	2672.8	2785	7.1
		62%	19865	61.7	2842.7	2841	7.0
		64%	21065	67.5	3110.8	2925	6.8
		66%	21850	71.6	3298.2	2981	6.6
		68%	23430	80.5	3706.2	3095	6.3
		70%	24575	87.4	4027.1	3180	6.1
		72%	24880	89.4	4115.5	3202	6.0
74%	27135	104.3	4801.0	3365	5.7		
76%	27770	108.6	4997.4	3407	5.6		
78%	28040	110.4	5080.2	3424	5.5		
80%	29890	122.2	5624.1	3520	5.3		
100%	30320	124.7	5738.7	3535	5.3		
54V (14S LiPo)	41*13.5 Inch Foldable Propeller	40%	8860	15.7	850.6	1909	10.4
		42%	9680	18.1	979.5	1998	9.9
		44%	10760	21.4	1160.2	2111	9.3
		46%	11510	23.9	1291.2	2186	8.9
		48%	12400	26.8	1450.9	2271	8.5
		50%	12750	28.0	1514.6	2303	8.4
		52%	14015	32.3	1748.8	2416	8.0
		54%	15400	37.2	2010.5	2531	7.7
		56%	16385	40.7	2199.7	2608	7.4
		58%	17335	44.1	2384.9	2679	7.3
		60%	18845	49.8	2691.1	2789	7.0
		62%	19385	51.7	2797.8	2825	6.9
		64%	20775	57.2	3092.1	2919	6.7
		66%	21875	61.7	3336.2	2992	6.6
		68%	23090	67.0	3620.1	3071	6.4
		70%	24530	73.6	3979.8	3164	6.2
		72%	25635	79.1	4275.1	3236	6.0
74%	26275	82.4	4454.5	3277	5.9		
76%	27635	89.9	4857.6	3365	5.7		
78%	28830	96.9	5236.9	3441	5.5		
80%	30290	106.1	5732.4	3533	5.3		
100%	33970	131.7	7112.8	3741	4.8		

以上数据为室温 25° C、海平面高度的环境下, 变化油门输入调节拉力测得。

The above data are measured under the environment of room temperature (25° C) and sea level altitude, changing the throttle input to adjust the thrust force.