

# HW-X11-MAX 技术参数

## HW-X11-MAX Technical Parameters

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最大拉力 (46V) Max Thrust	44.6 kg
推荐锂电池数 Recommended Battery	18S LiPo
推荐起飞重量 Recommended Takeoff Weight	20-22kg/rotor
动力总成重量 Total Weight	2800g
适用碳管尺寸 Powertrain Arm Tube Outer Diameter	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	Φ111 *22
KV值 KV	60 rpm/V
电机尺寸 Motor Size	Φ120.1 *55.2

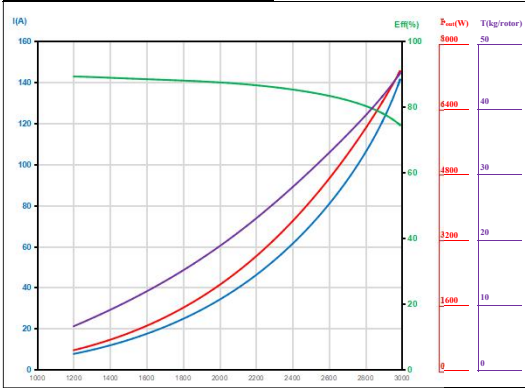
### 电调 ESC

型号 ESC	X-ROTOR/150A-FOC
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)	50A
最大电流 (非密闭环境温度 ≤ 60 °C) Maximum Current (Non-hermetic Ambient Temperature ≤ 60°C)	150A

### 桨叶 Propeller

直径/螺距 Diameter × Thread Pitch	48*17.5 inch
桨叶总重量 Total weight (inc. adapter)	397g

### 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(η) 效率
70V (18S LIPO)	HW 48*17.5inch Foldable Propeller	40%	10800	15.1	1044.7	1525	10.3
		42%	11830	17.2	1192.7	1595	9.9
		44%	12875	19.5	1350.0	1664	9.5
		46%	13920	21.9	1514.0	1729	9.2
		48%	14975	24.4	1686.0	1792	8.9
		50%	16175	27.3	1888.9	1861	8.6
		52%	17340	30.3	2093.0	1925	8.3
		54%	18580	33.5	2317.8	1989	8.0
		56%	19755	36.7	2537.8	2048	7.8
		58%	20750	39.5	2729.4	2096	7.6
		60%	21920	42.8	2961.2	2151	7.4
		62%	23415	47.3	3267.7	2218	7.2
		64%	25040	52.3	3614.9	2288	6.9
		66%	25765	54.6	3774.7	2318	6.8
		68%	26625	57.4	3968.5	2353	6.7
		70%	28295	63.0	4358.6	2420	6.5
		72%	29930	68.8	4759.7	2484	6.3
		74%	31540	74.9	5174.9	2545	6.1
		76%	32765	79.6	5505.2	2591	6.0
		78%	33630	83.1	5746.7	2623	5.9
80%	34800	88.0	6084.4	2665	5.7		
100%	44660	138.3	9552.2	2977	4.7		

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 is measured by changing the throttle input to adjust the tension under the environment of 25°C and sea level.