

HW-X8 动力套技术参数

HW-X8 Technical Parameters

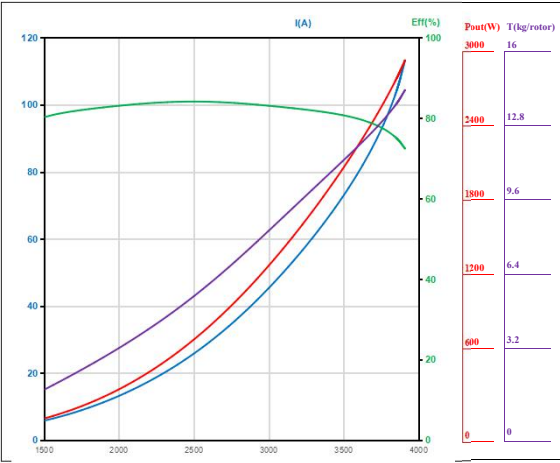
技术参数 Technical Parameters

最大拉力 (46V) Max Thrust	14kg
推荐锂电节数 Recommended Battery	12-14S
推荐起飞重量 Recommended Takeoff Weight	5-7kg
动力总成重量 Total Weight	1150g
适用碳管尺寸 Powertrain Arm Tube Outer Diameter	35/40mm
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	8120
KV值 KV	100 rpm/V
电机外径 Motor Size	Φ88.6 *46.9

负载性能参数 Load performance parameters



电调 ESC

型号 ESC	80A-FOC
PWM输入信号电平 PWM Input Signal Level	3.3V/5V
工作脉宽 Throttle Pulse Width	1100-1940µs
工作频率 Compatible signal frequencies	50-500Hz
最大允许电压 Max Allowable Voltage	61V
最大持续电流 (散热良好) Maximum peak current (Continuous)	25A
最大允许电流 (峰值3秒) Maximum peak current (<<3s)	80A

桨叶 Propeller

直径/螺距 Diameter × Thread Pitch	30*9.0inch
桨叶总重量 Total weight (inc. adapter)	193g
单片桨叶重量 Single propeller weight	52g

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) 效率
46V (12S LIPO)	HW 30*9.0 Inch Foldable Propeller	40%	3463	6.9	318.7	2048	10.9
		42%	3798	7.9	363.9	2146	10.4
		44%	4045	8.7	399.1	2215	10.1
		46%	4445	10.0	458.7	2323	9.7
		48%	4713	10.9	500.1	2392	9.4
		50%	5128	12.3	566.5	2494	9.1
		52%	5533	13.7	633.5	2590	8.7
		54%	5848	14.9	687.0	2661	8.5
		56%	6370	16.9	778.3	2775	8.2
		58%	6753	18.4	847.0	2854	8.0
		60%	7123	19.9	915.1	2927	7.8
		62%	7583	21.8	1002.4	3015	7.6
		64%	8143	24.2	1112.7	3119	7.3
		66%	8650	26.4	1217.2	3208	7.1
		68%	9035	28.2	1299.8	3275	7.0
		70%	9600	31.0	1426.4	3369	6.7
		72%	10293	34.5	1590.9	3482	6.5
		74%	10630	36.4	1674.8	3535	6.3
		76%	11268	40.0	1840.1	3633	6.1
		78%	12050	44.6	2053.3	3751	5.9
80%	12708	48.6	2238.1	3844	5.7		
90%	13868	54.8	2522.4	3996	5.5		
100%	14530	59.7	2746.2	4072	5.3		

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.