HW-X9 Max 动力套技术参数
HW-X9 Max Power System Techenical Parameters

技术参数 Technical Parameters

最大拉力(46V) Max Thrust	31kg
推荐锂电节数 Recommended Battery	12-14S
推荐起飞重量 Recommended Takeoff Weight	13-15kg/rotor
动力总成重量 Total Weight	2618g (inc. prop)
适用碳管尺寸 Powertrain Arm Tube Outer Diameter	φ50mm
适用环境温度 Operating Temperature	-20-50℃
防护等级 Ingress Protection	IPX6

电调 ESC

型号 ESC	150A-FOC
PWM输入信号电平 PWM Input Signal Level	3.3V/5V
工作脉宽 Throttle Pulse Width	1050-1950μs
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 ℃） Continuous Current(Non-hermetic Ambient Temperature ≤60℃)	50A
最大电流（非密闭环境温度≤ 60℃） Maximum Current(Non-hermetic Ambient Temperature ≤60℃)	150A

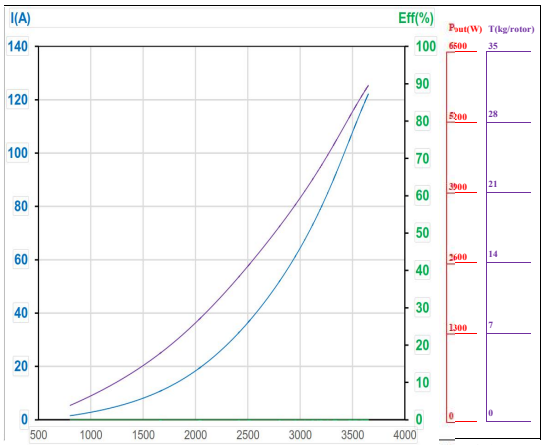
电机 Motor

定子尺寸 Stator Size	Φ96*26
KV值 KV	100rpm/V
电机尺寸 Motor Size	Φ104 *52.8

桨叶 Propeller

直径/螺距 Diameter× Thread Pitch	41*13.5inch
桨叶总重量 Total weight(inc. adapter)	427g

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
46V (12S LIPO)	HW 41*13.5 Inch Foldable Propeller	40%	7685	16.5	762.5	1820	10.1
		42%	8510	19.2	886.1	1918	9.6
		44%	9455	22.4	1034.6	2023	9.1
		46%	10000	24.3	1123.3	2081	8.9
		48%	11050	28.2	1300.3	2187	9.2
		50%	11640	30.4	1403.1	2244	8.3
		52%	12735	34.7	1600.2	2344	8.0
		54%	13375	37.3	1719.2	2401	7.8
		56%	14385	41.5	1913.1	2486	7.5
		58%	15060	44.4	2046.8	2542	7.6
		60%	15470	46.2	2129.6	2575	7.3
		62%	17140	53.8	2481.5	2705	6.9
		64%	17670	56.4	2598.0	2745	6.8
		66%	18955	62.7	2891.4	2841	6.6
		68%	19355	64.8	2985.7	2870	6.5
		70%	20365	70.1	3231.1	2943	6.3
		72%	22140	80.0	3687.1	3067	6.0
		74%	22820	84.0	3869.8	3114	5.9
		76%	23655	89.0	4100.4	3171	5.8
		78%	24620	95.0	4374.7	3236	5.6
		80%	25195	98.6	4541.9	3273	5.5
		90%	27700	115.1	5292.7	3430	5.2
		100%	31535	140.8	6221	3633	4.9

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.