

# HW-X9-PLUS 动力套规格参数

## 技术参数

最大拉力 (46V)	27kg
推荐锂电节数	12-14S LiPo
推荐起飞重量	11-13kg/rotor
动力总成重量	2340g
适用碳管尺寸	φ 40mm/45mm
适用环境温度	- 20-50℃
防护等级	IPX6

## 电调

型号	150A-F0C
PWM输入信号电平	3.3V/5V
工作脉宽	10500-1950 μs
工作频率	50-500Hz
最大允许电压	61V
持续电流 (非密闭 环境温度≤60℃)	45A
最大电流 (非密闭 环境温度≤60℃)	150A

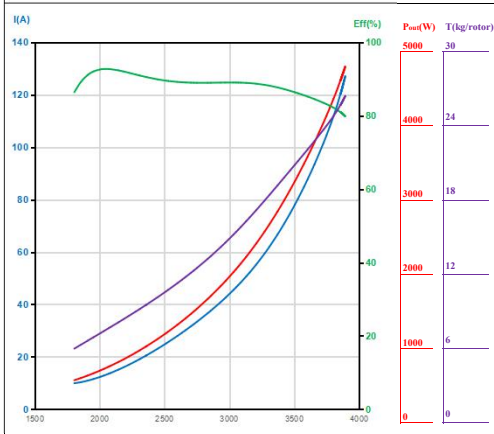
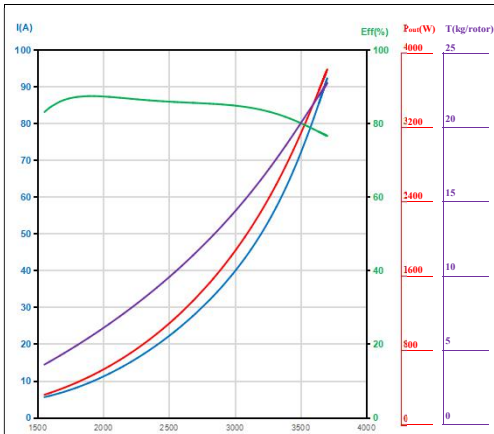
## 电机

电机型号	φ 96 *20
KV值	100 rpm/V
电机外径	φ 104 *46.8

## 桨叶

直径/螺距	36*19inch
桨叶总成重量	244g
单片桨叶重量	

## 负载性能参数



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
54V (14S LIPO)	HW 36*19Inch Foldable Propeller	40%	5460	9.5	509.3	1897	10.7
		42%	5915	10.7	573.2	1973	10.3
		44%	6405	12.0	646.3	2053	9.9
		46%	7045	13.9	747.6	2152	9.4
		48%	7780	16.2	870.9	2261	8.9
		50%	8405	18.3	980.8	2350	8.6
		52%	9180	20.9	1122.9	2454	8.2
		54%	9820	23.2	1244.5	2537	7.9
		56%	10045	24.0	1288.2	2565	7.8
		58%	11000	27.5	1478.5	2680	7.4
		60%	11165	28.2	1512.1	2699	7.4
		62%	12395	33.0	1771.2	2836	7.0
		64%	13060	35.7	1917.5	2906	6.8
		66%	13825	39.0	2091.9	2983	6.6
		68%	14790	43.3	2322.3	3076	6.4
		70%	16150	49.8	2670.5	3198	6.0
		72%	17080	54.6	2927.3	3276	5.8
74%	17855	58.8	3154.6	3338	5.7		
76%	18880	64.8	3476.3	3418	5.4		
78%	19800	70.6	3787.6	3487	5.2		
80%	21340	81.4	4362.8	3600	4.9		
100%	22535	90.6	4860.2	3688	4.6		
46V (12S LIPO)	HW 36*19Inch Foldable Propeller	# 40%	# 7365	# 16.0	# 738.9	# 2185	# 10.0
		# 42%	# 7985	# 18.3	# 845.4	# 2278	# 9.4
		# 44%	# 8555	# 20.6	# 949.8	# 2362	# 9.0
		# 46%	# 9145	# 23.0	# 1062.2	# 2445	# 8.6
		# 48%	# 9770	# 25.7	# 1184.3	# 2530	# 8.2
		# 50%	# 10590	# 29.2	# 1347.3	# 2635	# 7.9
		# 52%	# 11155	# 31.7	# 1460.4	# 2704	# 7.6
		# 54%	# 11550	# 33.4	# 1539.7	# 2750	# 7.5
		# 56%	# 12510	# 37.6	# 1733.4	# 2856	# 7.2
		# 58%	# 13625	# 42.5	# 1961.5	# 2970	# 6.9
		# 60%	# 14495	# 46.5	# 2144.5	# 3052	# 6.8
		# 62%	# 14895	# 48.4	# 2230.8	# 3088	# 6.7
		# 64%	# 15675	# 52.2	# 2404.9	# 3156	# 6.5
		# 66%	# 17055	# 59.4	# 2737.8	# 3272	# 6.2
		# 68%	# 18295	# 66.7	# 3072.7	# 3371	# 6.0
		# 70%	# 19530	# 74.8	# 3447.8	# 3469	# 5.7
		# 72%	# 20285	# 80.3	# 3699.5	# 3529	# 5.5
# 74%	# 21240	# 87.7	# 4042.4	# 3604	# 5.3		
# 76%	# 22850	# 101.6	# 4677.6	# 3726	# 4.9		
# 78%	# 23540	# 107.8	# 4966.3	# 3775	# 4.7		
# 80%	# 24470	# 116.5	# 5363.8	# 3834	# 4.6		
# 100%	# 26691	# 122.2	# 5624.9	# 3868	# 4.5		

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.