

HW-X11-18S 动力套技术参数

HW-X11-18S Power System Technical Parameters

技术参数 Technical Parameters

最大拉力 (46V) Max Thrust	33.2 kg
推荐锂电节数 Recommended Battery	18S LiPo
推荐起飞重量 Recommended Takeoff Weight	15-18kg/rotor
动力总成重量 Total Weight	2340g
适用碳管尺寸 Powertrain Arm Tube Outer Diameter	φ 50mm
适用环境温度 Operating Temperature	-20~50°C
防护等级 Ingress Protection	IPX6

电调 ESC

型号 ESC	150A-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	78.3V
持续电流 (非密闭环境温度 ≤60 °C) Continuous Current (Non-hermetic Ambient Temperature ≤60°C)	45A
最大电流 (非密闭环境温度 ≤ 60°C) Maximum Current(Non-hermetic Ambient Temperature ≤60°C)	150A

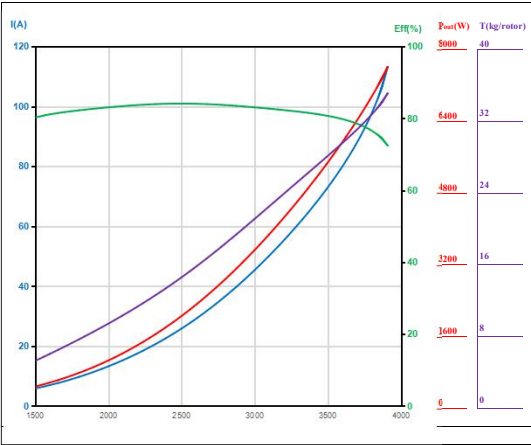
电机 Motor

定子尺寸 Stator Size	φ111 *15
KV值 KV	75 rpm/V
电机尺寸 Motor Size	φ 120.1 *45.2

桨叶 Propeller

直径/螺距 Diameter × Thread Pitch	41*13.5inch
桨叶总重量 Total weight(inc. adapter)	468g
单片桨叶重量 Single propeller weight	162g

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
70V (18S LiPo)	HW 41*13.8 Inch Foldable Propeller	40%	8760	12.4	854.8	1956	10.2
		42%	9560	14.1	973.5	2044	9.8
		44%	10455	16.1	1113.4	2138	9.4
		46%	11420	18.4	1271.7	2235	9.0
		48%	12330	20.7	1427.3	2323	9.2
		50%	13065	22.5	1557.0	2391	8.4
		52%	14300	25.8	1782.6	2499	8.0
		54%	15300	28.5	1972.1	2583	7.8
		56%	16420	31.7	2191.3	2673	7.5
		58%	17720	35.5	2455.5	2773	7.6
		60%	18730	38.6	2668.4	2848	7.0
		62%	19675	41.6	2874.3	2918	6.8
		64%	20785	45.2	3125.2	2998	6.7
		66%	22160	50.0	3451.4	3096	6.4
		68%	23030	53.1	3667.6	3158	6.3
		70%	23960	56.6	3908.4	3224	6.1
		72%	25400	62.3	4302.9	3327	5.9
		74%	26670	67.7	4675.6	3418	5.7
		76%	27045	69.4	4790.5	3444	5.6
		78%	28290	75.2	5189.7	3532	5.5
80%	29655	82.0	5661.0	3627	5.2		
90%	33230	102.7	7090.4	3842	4.7		
100%	34775	113.2	7809.7	3909	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.