

Combo-Xrotor Pro-X9-PLUS-CW/CCW-RTF 动力系统技术参数

Combo-Xrotor Pro-X9-PLUS-CW/CCW-RTF Technical Parameters

技术参数 Technical Parameters

最大拉力(Max Thrust)	27 kg
推荐电池(Recommended Battery)	12-14S LiPo
推荐起飞重量(Recommended Takeoff Weight)	11-13kg
动力总成重量(Total Weight)	1760g
管径(Powertrain Arm Tube Outer Diameter)	Φ40mm

电调 ESC

型号(ESC)	X-ROTOR/I20A-FOC
电池(Battery (LiPo))	12-14S LiPo
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(Compatible Signal Frequencies)	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)	40A
最大电流(非密闭环境温度 ≤ 60°C) Maximum Current (Non-hermetic Ambient Temperature≤ 60 °C)	150A

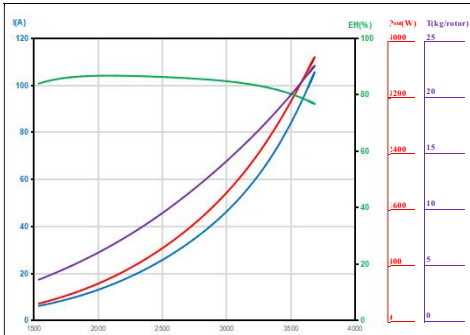
电机 Motor

额定电压(Battery (LiPo))	12-14S
空载电流(No-load current)	3.3A
最大电流(Maximum current)	120 A
KV值(KV)	100 rpm/V
定子尺寸(Stator Size)	Φ96 *20
电机尺寸(Motor Size)	Φ104 *43
内阻(Resistance)	32.3 mΩ
槽极数(Slots & Poles)	36N40P
轴承型号(Bearing)	进口滚珠轴承(防水) Waterproof

桨叶 Propeller

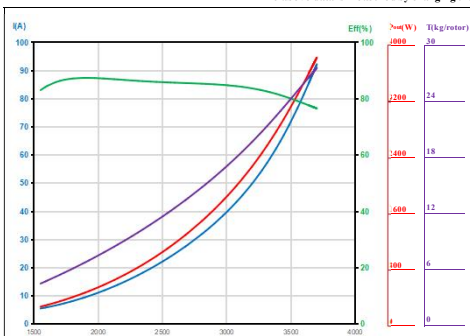
直径/螺距(Diameter×Thread Pitch)	36*19 Inch
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负载性能参数 Load performance parameters



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.

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(%) 效率	Torque(Nm) 扭矩
46V (12S LiPo)	Foldable Propeller	40%	5360	10.4	478.6	1833	11.2	2.1
		42%	5894	11.9	547.7	1920	10.8	2.3
		44%	6451	13.5	623.2	2006	10.4	2.5
		46%	7024	15.3	704.7	2091	10.0	2.7
		48%	7608	17.2	791.3	2173	9.6	3.0
		50%	8202	19.2	882.5	2253	9.3	3.2
		52%	8806	21.2	978.3	2331	9.0	3.4
		54%	9423	23.4	1079.2	2408	8.7	3.7
		56%	10056	25.8	1186.0	2483	8.5	3.9
		58%	10710	28.2	1299.8	2558	8.2	4.2
	60%	11391	30.9	1421.4	2633	8.0	4.4	
	HW 36*19inch Foldable Propeller	62%	12104	33.7	1553.1	2709	7.8	4.7
		64%	12853	36.8	1696.9	2787	7.6	5.0
		66%	13643	40.3	1853.9	2866	7.4	5.3
		68%	14476	44.0	2026.6	2947	7.1	5.6
		70%	15353	48.1	2216.9	3031	6.9	5.9
		72%	16273	52.7	2426.0	3116	6.7	6.3
		74%	17232	57.7	2653.4	3202	6.5	6.7
		76%	18223	63.1	2905.5	3288	6.3	7.1
		80%	20257	75.1	3456.8	3457	5.9	8.0
90%		24238	101.0	4651.1	3741	5.2	9.6	
100%	24632	103.6	4771.8	3764	5.2	9.8		



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54V (14S LiPo)	Foldable Propeller	40%	6202	11.1	509.3	1961	10.3	2.4
		42%	6806	12.7	573.2	2053	9.9	2.6
		44%	7435	14.4	646.3	2145	9.5	2.9
		46%	8082	16.3	747.6	2236	9.2	3.1
		48%	8744	18.2	870.9	2325	8.9	3.4
		50%	9420	20.3	980.8	2411	8.6	3.7
		52%	10111	22.5	1122.9	2495	8.3	3.9
		54%	10820	24.8	1244.5	2578	8.1	4.2
		56%	11550	27.3	1388.2	2659	7.8	4.5
		58%	12307	29.9	1478.5	2739	7.6	4.8
	HW 36*19inch Foldable Propeller	60%	13095	32.7	1512.1	2820	7.4	5.1
		62%	13919	35.8	1771.2	2901	7.2	5.4
		64%	14784	39.1	1917.5	2983	7.0	5.7
		66%	15694	42.8	2091.9	3067	6.8	6.1
		68%	16650	46.8	2322.3	3153	6.6	6.5
		70%	17653	51.3	2670.5	3241	6.4	6.9
		72%	18700	56.3	2927.3	3332	6.1	7.3
		74%	19786	61.9	3154.6	3425	5.9	7.8
		76%	20903	67.9	3476.3	3520	5.7	8.3
		80%	23180	81.2	4362.8	3703	5.3	9.3
90%	27696	109.3	4860.2	3965	4.7	11.2		
100%	27925	111.3	0.0	3973	4.7	11.3		