H6M 动力套技术参数
H6M Propulsion System Specification

动力套参数 All-in-One Thrust System Specification

产品型号 Model	H6M	适配锂电池 Compatible Lithium Battery	LiPo-12S
额定电压 Rated Voltage	46 V	电压范围 Input Voltage	24-63 V
额定拉力 Rated thrust	2~2.5 kg（海平面、环境温度25℃） 2~2.5 kg (sea level, ambient temperature 25℃)	最大拉力 Max thrust	6.5 kg（海平面、环境温度25℃） 6.5 kg (sea level, ambient temperature 25℃)
额定拉力力效 Efficiency at rated thrust	10~9 g/W （MSC 22x7.8）	适用海拔 Operating Altitude	0~2000 m （不同环境温度下，海拔每升高 1500m，单轴起飞重量下调 5%~10%） (For every 1,500 m increase in altitude, the single-axis takeoff weight must be derated by 5% to 10% under different ambient temperatures.)
最大允许飞行速度（无风） Max Allowable Flight Speed (calm air)	15 m/s	适用环境温度 Operating Temperature	-20~65 ℃
防护等级 Ingress Protection	IP45	动力套重量（含线、含桨） Weight (with cable, propeller)	454 g
线材规格 Cable Specification	电源线：14AWG 630 mm 信号线：730 mm Power cable：14AWG 630 mm* Signal cable：730 mm*	适用碳管直径 Tube Outer Diameter	30 mm
线序 Pinout	黑-GND，白-PWM；黄-GND, 灰-CANH，绿-CANL Black-GND, White-PWM & Yellow-GND, Gray-CANH, Green-CANL	额定输出功率（最大持续功率） Rated Output Power (max contin	220 W
额定转速 Rated RPM	3230 rpm	额定功率密度 Rated Power Density	1.19 KW/kg

*本产品标注的拉力性能参数，均基于好盈封闭实验室（海平面，环境温度25℃）测试平台独立测试获得。
*在实际飞行工况中，受飞控系统适配程度、整机构型布局差异、重心配置状态等多重因素影响，各轴电机的实际输出功率并非完全均等，存在分配差异。产品选型时请充分考量上述工况偏差，建议以官方推荐的额定拉力参数作为选型依据。
*The thrust performance parameters of this product are independently measured on the test bench in Hobbywing's enclosed laboratory (sea level, ambient temperature 25℃).
*In real flight scenarios, multiple factors such as flight controller matching, differences in airframe configuration and layout, and center-of-gravity configuration can lead to unequal actual output power for motors on each axis, resulting in power distribution differences. Fully account for such operational deviations when selecting products; use the official rated thrust parameters as the selection reference.

电调技术参数 ESC Specification

电压范围 Input Voltage	24~63 V	通讯方式 Communication Protocol	HWCAN
电调尺寸 ESC Size	/	重量（不含线） Weight (without cable)	/
最大电流（3s） Peak Current（3s）	23 A @ 48V	持续电流 Continuous Current	5.6 A @ 48V
防护等级 Ingress Protection	IP45	油门源 Throttle Source	PWM+CAN
PWM脉宽 Operating Pulse Width	1100~1940 μs	黑匣子功能 Black Box	故障数据 Fault data
油门行程校准 Throttle Range Calibration		固化不可校准 Solidified and cannot be calibrated	

电机技术参数 Motor Specification

KV值 KV	130 KV	槽极数 Slot & Pole	24N28P
电机外径 Motor Diameter	67.7 mm（风扇170 mm）	电机重量 (含线) Weight (with cable)	220 g
防护等级 Ingress Protection	IP45	桨叶安装尺寸 Propeller Mounting Dimensions	D20-4*M3&D18-4*M3，中心孔 D8 D20-4*M3&D18-4*M3, center hole D8

桨叶参数 Propeller Specification

产品型号 Model	MSC 22x7.8	重量 Weight	36 g
主要材质 Material of Propeller	碳纤维复合材料 Carbon fibre composite material	安装尺寸 Mounting Dimensions	D18-4*M3，中心孔D8 D18-4*M3, centre hole D8
安装螺丝锁紧扭矩 Mounting Screw Tightening Torque	1.2 N·m	适用海拔 Operating Altitude	0~2000 m
桨叶旋转中心到桨尖的长度 Propeller Radius (from rotation center to tip)	279.4mm		