

H8M Propulsion System Specification

All-in-One Propulsion System Specification

Product name	H8M	Max thrust	7.5 kg
Recommended takeoff weight per axis	2.5~3.5 kg	Efficiency of recommended takeoff weight	11.5 g/W (3 kg)
Compatible lithium battery	12~14S (LiPo)	Rated voltage	48 V
Input voltage	24-63 V	Tube outer diameter	Φ30 mm
Weight (with cable and propeller)	498 g*	Cable specification	Power cable:14AWG 720 mm* Signal cable: 830 mm*
Operating temperature	-20~65 °C	Ingress protection	IP45
Pinout	Black-GND, White-PWM & Yellow-GND, Red-CH, Green-CL	Rated output power (Max continuous)	257 W

ESC Specification

Rated voltage	12~14S (LiPo)	Communication protocol	HWCAN
Peak current (3s)	60 A (3s)	Continuous current	20 A
Throttle range calibration	Not supported	Throttle signal	PWM+CAN
Operating pulse width	1100~1940 μs	Fault storage	Supported

Motor Specification

KV value	85 KV	Slot & Pole	36N40P
Stator size	Φ8*H8 mm	Motor size	Φ87*H32.2 mm

Propeller Specification

Model	MSC 30x9.8	Total weight	71 g*
Material of propeller	Carbon fibre composite material	Mounting dimensions	D20-4*M3&D23-4*M3, center hole D10

* Subject to the actual product.