

H13MD Propulsion System Specification

All-in-One Thrust System Specification

Model	H13MD	Max thrust	113 kg
Recommended takeoff weight per axis	45 kg	Efficiency of recommended takeoff weight	7.2 g/W
Input voltage	30~130 V	Rated voltage	24S-92 V / 28S-108 V
Compatible lithium battery	24S / 28S (LiPo)	Tube outer diameter	60 mm-Thickness: 2.5 mm
Weight (with cable and propeller)	8010±100 g	Cable specification	Power cable: 12AWG 1440±20 mm Signal cable: 1640±20 mm
Operating temperature	-40~65 °C	Ingress Protection	IP35
Rated output power (Max continuous)	5544 W		

ESC Specification

Rated voltage	24S / 28S (LiPo)	Communication protocol	Cyphal (UAVCAN)
Peak current (3s)	150 A	Continuous current	60 A
Throttle range calibration	Not supported	Throttle source	PWM+CAN
Operating pulse width	1100-1940 μs	Fault storage & Log	Supported

Motor Specification

KV value	37 KV	Slot& Pole	36N42P
Stator size	138*25 mm	Motor diameter	147.9 mm

Propeller Specification

MSC 57x20 (Default)

Model	MSC 57x20	Total weight	480 g*
Material of blades	Carbon fiber composite material		

MFC 57x20 (Optional)

Model	MFC 57x20 (Folding propeller)	Total weight	805 g*
Material of blades	Carbon fiber composite material		

*Subject to the actual product. Two types of propellers available, default MSC 57x20.