

# H15MD Integrated Thrust System Specification

## Integrated Thrust System Specification

Model	H15MD-18S	Max thrust	145 kg (Sea level)
Recommended takeoff weight per axis	60 kg	Efficiency of recommended takeoff weight	7.4 g/W
Compatible lithium battery	18S (LiPo)	Rated voltage	18S-69 V
Input voltage	36-80 V	Tube outer diameter	80mm-Thickness:3mm
Weight (with cable, without propellers)	9800±200 g	Cable specification	Power cable: 7AWG 2000±50 mm Signal cable: 2200±50 mm
Operating temperature	-40~60 °C	Ingress Protection	IPX6
Pinout	Black-GND, White-PWM & Yellow-GND, Red-CH, Green-CL	Rated output power (Max continuous)	7000 W

## ESC Specification

Rated voltage	18S-69 V	Communication protocol	UAVCAN
ESC size	155.6*83.6*44.3 mm	Weight (without cables)	578±10 g
Peak current (3s)	300 A (3s)	Continuous current	120 A
Throttle range calibration	Not supported	Throttle Source	PWM+CAN
Operating pulse width	1100-1940 μs	Fault storage & Log	2-48 h

## Motor Specification

KV	45 KV	Weight (with cables)	2800±100 g
Motor diameter	167.1 mm	Slot & Pole	36N44P
Stator size	Φ155.6*H23 mm		

## Propeller Specification

Model	MSC 64x23	Weight	1034±20 g
Material of blades	Carbon fibre composite material	Mounting dimensions	D60-6*M6, centre hole D20
Model	MFC 63x24	Weight	930±9 g
Material of blades	Carbon fibre composite material	Mounting dimensions	D46-4*M6, centre hole D15