

P115M Integrated thrust system specification

Integrated Thrust System Specification

Model	P115M	Max Thrust	232 kg
Max single-axis takeoff weight	115 kg	Efficiency of max single-axis takeoff weight	5.41 g/W
Input voltage	500~850 V	Rated voltage	720 V
Tube outer diameter	Φ80mm (Suitable for wall thickness of 2~5 mm, recommend 3 mm and 5 mm)		
Weight (with cable)	17.5 kg±100 g (Power cable: 12AWG*2000 mm Signal cable: 2200 mm)	Cable specification	Power cable: 12AWG*2000 mm Signal cable: 2200 mm
Operating temperature	-35~55 °C	Ingress protection	IPX5
Pinout	Blue-CAN GND, Red-CANH, Brown-CANL, Black-Shielded, Green-PWM, Gray-PWM GND, Orange-DCIN 24V+, Yellow-DCIN GND		
Rated output power (Max continuous)	18.3 kW		

ESC Specification

Rated voltage	720 V	Communication protocol	CAN (Customizable RS485)
ESC size	211 mm*104 mm*67 mm (Without plugWeight (With cable)	1880±50 g (Power cable: 12AWG*2000 mm Signal cable: 2200 mm)	
Peak current (10 seconds)	45 A	Continuous current	15 A
Ingress Protection	IP67	Double throttle signal	CAN+RS485 / CAN+PWM / RS485+PWM
Operating pulse width	1100~1940 μs	Black box	2~48h log
Throttle Range Calibration	Solidified and cannot be calibrated(Can be changed via Datalink software)		

Motor Specification

KV	5.5 KV	Slot& Pole	36N42P
Motor size	Φ167.1±0.1 mm (With fan 209.9±1 mm)	Weight (with cable)	5420 g (enamelled wire outlet 70 mm)
Ingress Protection	IPX5		

Propeller Specification

Model	MSC 64x23-P	Weight	1035±20 g
Material of Props	Carbon fibre composite material	Mounting dimensions	D60-6*M6, centre hole D20