

E8 Propulsion System

Unmatched Cooling for Ultimate Thrust



Up to 18.5kg per motor

PEAK 150A^[1] Continuous 80A

Featuring a flat-layout design and oversized cooling fins.

20% ↑

Maximum Thrust Increased

20% ↑

ESC Current Rating Increased

18% ↑

Thermal Dissipation Capacity Improved

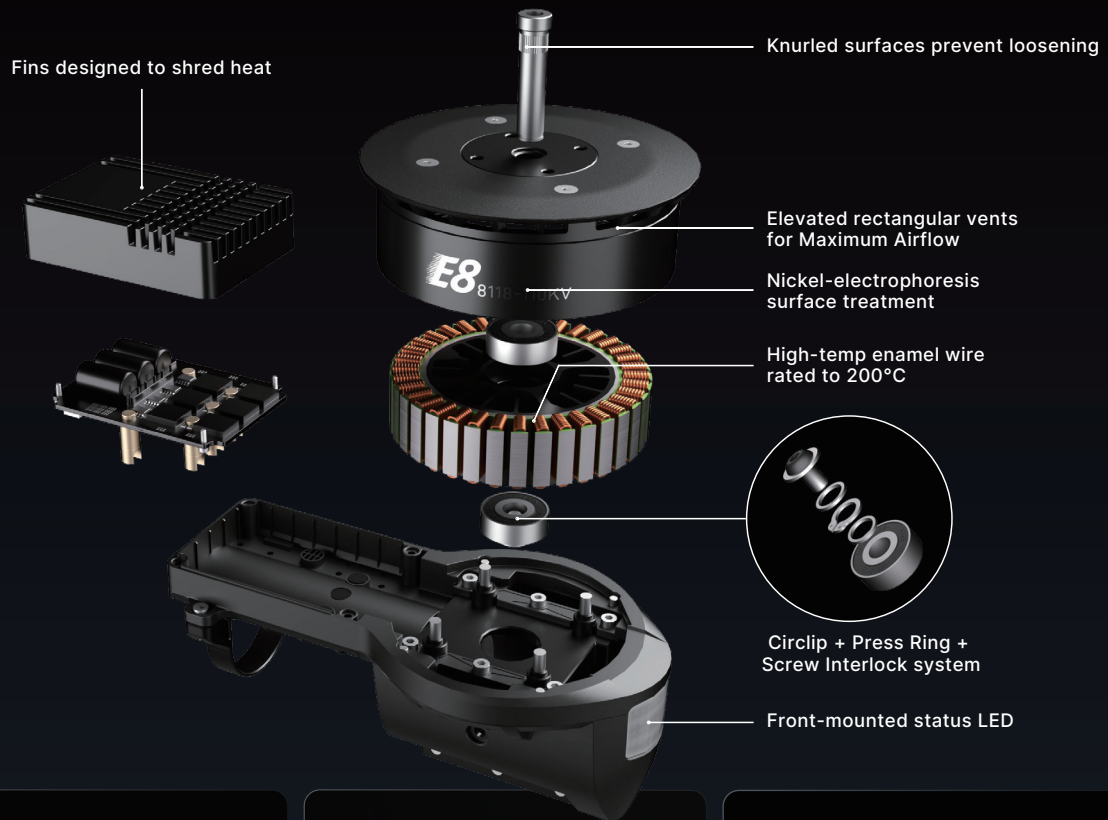
Propeller **32** inch

Compatible Tube Diameter **40** mm

Efficiency^[2] **10-8** g/W

Rated Thrust for Single Axis **5-8** kg





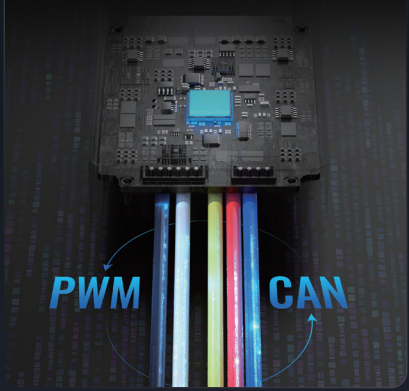
Multi-Dimensional Efficient Heat Dissipation

- Flat Layout Design & Oversized Cooling Fins
- Innovative Centrifugal Airflow & Enlarged Rectangular Vents
- 200°C High-Temperature Resistant Enameled Wire

18% ↑
Heat Dissipation Capacity Improved

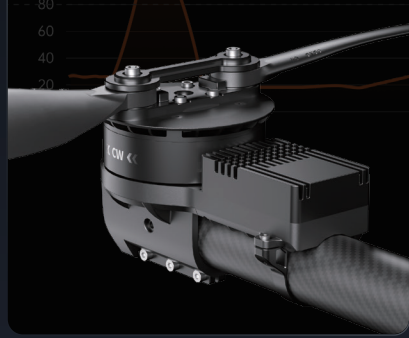
*** Precision Dynamic Balancing**

- Precision Dynamic Balancing
- Dual Throttle Redundancy & Signal Isolation



Robust Yet Powerful

- High Overcurrent Redundancy
- Max Thrust: 18.5 kg per axis.
- Rigorous Reliability Testing
- Optimal FOC Algorithms



General Parameters		ESC Parameters		Motor Specifications	
Maximum Thrus	18.5 kg (Single-axis)	Model	80 A FOC	kV	110 rmp/v
Recommended Takeoff Weight	5-8 kg (Single-axis)	PWM Input Voltage	3.3/5 V	Stator Size	81*18 mm
Recommended Battery	12-14S LiPo	Throttle Pulse Width	1050-1950 μs	Slot-Pole Configuration	36N40P
Cable Length	Power Cable: 1000 mm Signal Cable: 1100 mm	PWM Frequency	50-500 HZ	Weight	526 g
Ingress Protection	IPX6	Max. Operating Voltage	63 V	Propeller Parameters	
Tube Diameter	φ40 mm	Operation Current	80 A (Excellent Heat Dissipation)		
Weight	960g (Excluding Propeller)	Max. Current	150 A (Peak Current 3s)	Diameter*Pitch	32*12.0"
Efficiency [2]	10.0 - 8.0 g/w	Communication Protocol	CAN	Weight	240 g
Rated Input Power	1042 w	Firmware Upgrade	Support		
Rated Output Power	908 w	Digital Throttle	CAN		
Signal Protocol	CAN / PWM				

[1] Under the condition of good heat dissipation.

[2] Efficiency @5-8 kg for Thrust of Single Axis.