

V505 motor VTOL composite wing solution recommendation

VTOL Motor/ KV	VTOL Prop	VTOL ESC
V505 KV260	P16*5.4/P17*5.8	FLAME 60A 12S
VTOL Battery (Lipo)/ Voltage 12S (4.2V/SI) / 42-52V	VTOL Thrust per Motor 2.5-3.5	MTOW (Quad) (kg) 10-15
Stern thrust propeller recommendation 16*8/16*10"	Stern thrust pull recommendation(kg) 2-3	
Stern thrust ESC recommendation AT115A (6-12S)	Stern thrust motor/KV value recommendation AT4125 KV250/AT4130 KV230	
Stern thrust battery (Lipo)/ voltage recommendation 12S (4.2V/SI) / 42-52V		

Note: For coaxial configuration, a performance loss of 25% should be considered.

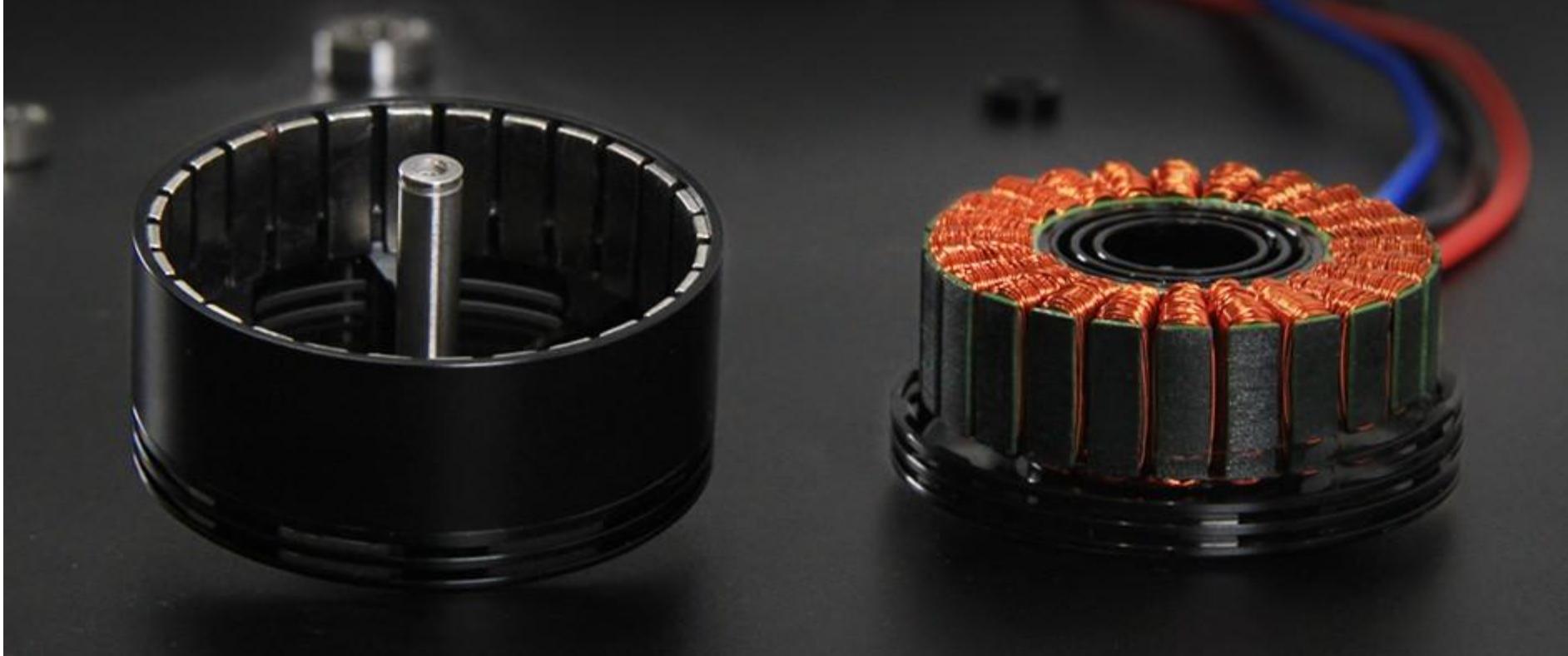
Maximum thrust:
8700g

adequate power margin

*no need for replacing power setup in 3000 meters
below altitude environment



Optimized special high-temperature resistant enamelled wire
high-temperature resistant curved magnets, strengthening the passive heat-resistant ability.
Centrifugal fan structure, improving the active heat dissipation capacity of the motor



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