

V505 motor VTOL composite wing solution recommendation

VTOL Motor/ KV

V505 KV260

VTOL Prop

P16*5.4/P17*5.8

VTOL ESC

FLAME 60A 12S

VTOL Battery (Lipo)/ Voltage

12S (4.2V/Sl) / 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/Sl) / 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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