



Specification

Model No./ Kv	V505 KV260	Magnet Temperature Resistance Grade	Class E 150°C
Motor Size ( mm )	$\varnothing 55.6 \times 38.9$	Lead ( mm )	16AWG*600
Stator Technology	Anti-rust treatment; 180°C high temperature-resisting coatings	Enamelled Wires Temperature Resistance Grade	Class C 220°C
Configuration	24N28P	Coil Withdraw Voltage	500V/5s
Shaft Diameter ( mm )	IN:6 OUT:4	Rotor Dynamic Balance Standard	$\leq 5$ mg
Bearing	Imported 696ZZ	IP	IP45
KV Value	KV260	Battery (lipo)/Voltage Recommendation	12S ( 4.2V/S1 ) /42-52V
Idle Current ( 18V )	1.5A	ESC Recommendation	FLAME 60A 12S
Peak Current ( A )	52A/Continuous 180s	Propeller Recommendation	P16*5.4/P17*5.8
Max. Power ( W )	2500W/Continuous 180s	Motor Weight ( g )	215g ( 255g Weight (incl.cables) )
Internal Resistance ( m $\Omega$ )	58	Package Weight ( g )	600g

Test Data

Item No.	Prop	Throttle	Voltage (V)	Thrust (g)	Torque (N*m)	Current (A)	RPM	Inputpower (W)	Efficiency (g/W)	Operating Temperature (°C)
		40%	47.92	1892	0.31	6.13	5509	293.65	6.44	



		100%	46.93	8741	1.76	52.93	10075	2483.87	3.52	
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Notes : Motor temperature is the motor surface temperature aftering running at 80% for 10 mins.  
(Based on LIGPOWER test bench(es), all data are for reference only. LIGPOWER reserves the right of final interpretation. )

Packing List



Before using this product, please check if all the items listed above are included in the packaging. If there are any missing items, please contact our online customer service or leave message to "[onlinesales@ligpower.com](mailto:onlinesales@ligpower.com)" in time.