

ElectriCalc [?] [] [X]

File Print QuickPrint! Multi C drag Graphs Analyzer Tools Preferences Help ?

Power Parameters	Motor Parameters	Drive Parameters	Flight Parameters
3 Cell Count	1050 Kv RPM/V	6.25 Diameter	24 Plane Wt. ounces
3.75 Cell Volts	1 Rm mohm	6.00 Pitch	8.7 Wing Load oz./sq.ft.
37.2 Cell mohm	0.50 Io amps	2.64 K prop	395 Wing Area sq.in.
15 ESC mohm	11.3 Amps	0.88 K eff	0.073 Drag Coefficient
1430 MAH	GWS 2208 Mfr.	1.00 Gearing	1 Motor Configuration
KOK1500	OUTRUNNER	Generic 4-blade	Sky Arrow
Cells	Motors	Props	Planes
11.3 Battery amps 7.2 Minutes 83% System Eff. 127 Watts created 16 Watts lost 3.8 oz. pack wgt. Max Eff. @ 6.6A	10.30K Motor RPM 95% Motor Eff. 5 Watts lost 111 Motor Watts 9.8 Motor Volts 40.7 Motor Constant Max Eff. @ 40.7A	10.30K Prop RPM 106 Prop Watts 74 Watts per lb 0 Gearbox Watts 59 MPH pitch spd. 17 oz. thrust 6 oz. drag	984 ft./min. 28° climbout Max 984 ft/min@28° Max climb 7095 ft. 11 MPH stall spd. 40 MPH max. spd. 13.8 Minutes Cruise
100% Throttle			24 MPH