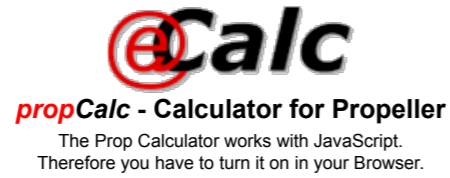




all Data without guarantee!  
Accuracy +/-10%



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**Design Fundamentals:**

metric units

Battery: (continuous / max. C) - charge state: Custom full

Controller: max 40A

Motor: Manufacturer - Type (Kv in rpm/V): Turnigy D2826-6 (2200)

Propeller: Type - yoke twist: APC Electric E 0°

Model Weight: 750 g incl. Drive

# serial: 3 S # parallel: 1 P Capacity: 1200 mAh

Resistance: 0.006 Ohm Continuous Current: 40 A max. Current: 40 A

Kv (w/o torque): 2200 rpm/V Resistance: 0.16 Ohm no-load Current: 0.8 A @ 8 V

Diameter: 6.7 inch Pitch: 3.5 inch # Blades: 2

Field Elevation: 0 m ASL Air Temp: 10 °C Pressure (QNH): 1013 hPa

Resistance: 0.0175 Ohm Volt per Cell: 3.7 V Weight per Cell: 33 g

Weight: 50 g Motor Weight: 67 g

Limit (up to 20s): 210 W # mag. Poles: 10 Case length: 35 mm

Prop Const.: 1.08 Gear Ratio: 1.00 :1

**calculate**

**Approx. Values:**

**Warning:**

[Warning box]

<b>Battery:</b>	Load: 16.5 C	Voltage: 10.73 V	Rated Voltage: 11.1 V	Flight Time*: 3.64 min	mixed Flight Time: 6.19 min	Weight: 99 g
<b>Motor:</b>	max. Current: 19.77 A	Voltage: 10.61 V	Revolutions: 16382 rpm	el. Power (In): 209.75 W	mech. Power (out): 141.42 W	Efficiency: 67.4 %
<b>Optimal Efficiency:</b>	Current: 8.53 A	Voltage: 11.27 V	Revolutions: 21785 rpm	el. Power (In): 96.11 W	mech. Power (out): 74.5 W	Efficiency: 77.5 %
<b>Propeller:</b>	Static Thrust: 797.9 g 28.15 oz	Prop Stall Thrust: 575 g 20.28 oz	Revolutions: 16382 rpm	Pitch Speed: 87.4 km/h 54 mph	Tip Speed: 525.5 km/h 327 mph	Prop Efficiency: 3.8 g/W 0.13 oz/W
<b>Entire Drive:</b>	Weight: 237.6 g Drive 750 g Total	Power-Weight: 310 W/kg 8.79 W/oz	Thrust-Weight: 1.06 :1	P (in): 232.61 W	P (out): 141.42 W	Efficiency: 60.8 %

**Motor Data:**

Motor Cooling:

excellent

Power Scale:

automatic

AdChoices

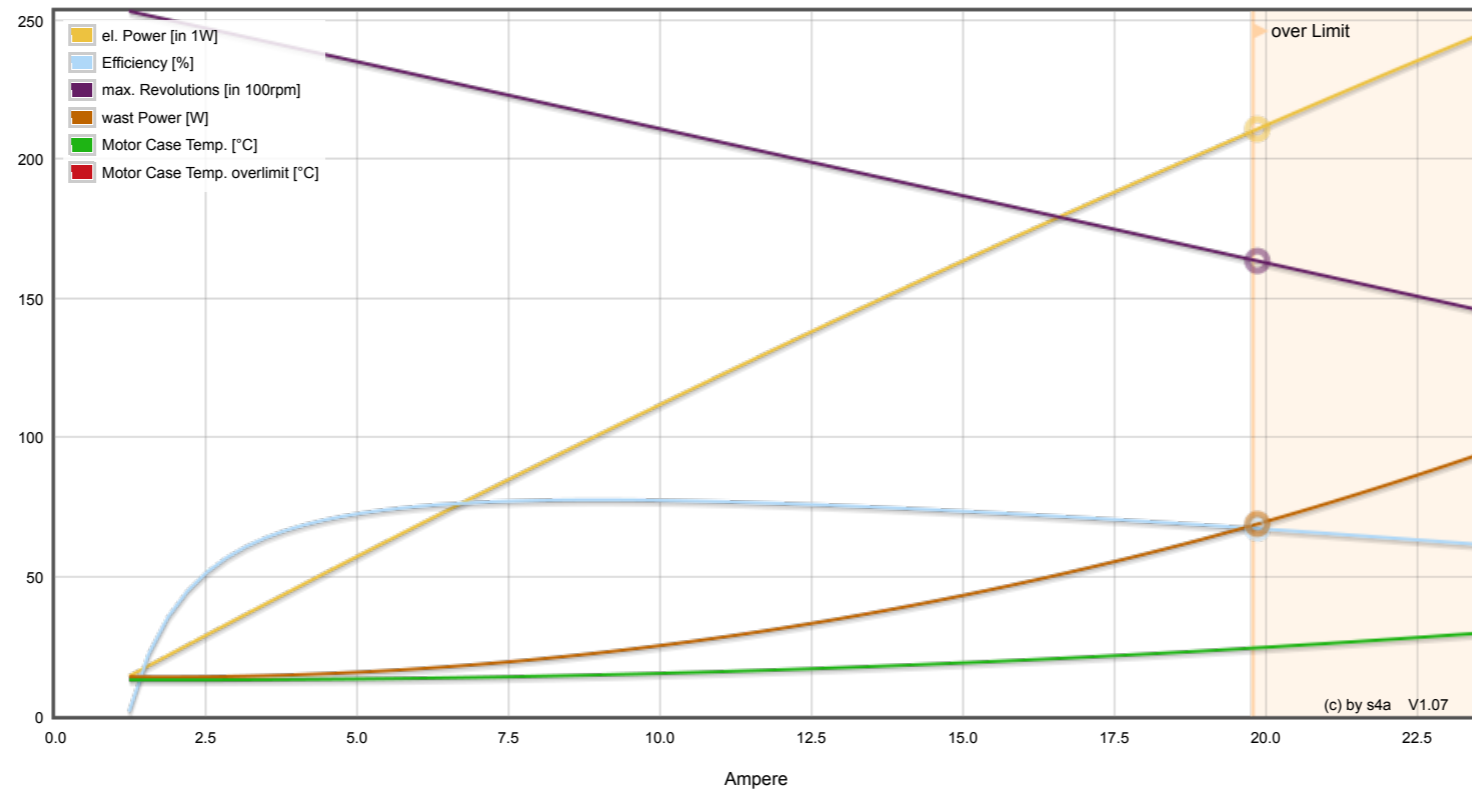
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**Important Note:**  
 Before flight recheck the max. current! If your Current, el. Power or RPM are over the manufacturers limits **your motor, controller and/or battery may take damage! Verify before flight by measurment!**

for printing use Landscape format  
 \* Flight Time @ Full Power  
 \*\* Testdata with reduced accuracy

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