

### Design Fundamentals:

metric units

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

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

# serial:  S # parallel:  P Capacity:  mAh  
 Resistance:  Ohm Volt per Cell:  V Weight per Cell:  g

**Controller:**

Resistance:  Ohm Continuous Current:  A max. Current:  A  
 Weight:  g Motor Weight:  g

**Motor:** Manufacturer - Type (Kv in rpm/V)

Kv (w/o torque):  rpm/V Resistance:  Ohm no-load Current:  A @  V  
 Limit (up to 20s):  A  # mag. Poles:  Case length:  mm

**Propeller:** Type - yoke twist

Diameter:  inch Pitch:  inch # Blades:   
 Prop Const.  Gear Ratio:  :1

### Approx. Values:

### Warning:

**\* The Motor Voltage is close to the Limit - please verify the max. allowed Motor Voltage \*\* Prop may stall -> static thrust may not be reached! (see Prop Stall Thrust) \*\* max. current over the limit of the**

**Battery:** Load:  C Voltage:  V Rated Voltage:  V Flight Time\*:  min mixed Flight Time:  min Weight:  g

**Motor:** max. Current:  A Voltage:  V Revolutions:  rpm el. Power (in):  W mech. Power (out):  W Efficiency:  %

**Optimal Efficiency:** Current:  A Voltage:  V Revolutions:  rpm el. Power (in):  W mech. Power (out):  W Efficiency:  %

**Propeller:** Static Thrust:  g Prop Stall Thrust:  g Revolutions:  rpm Pitch Speed:  km/h Tip Speed:  km/h Prop Efficiency:  g/W  
 oz  oz  mph  mph  oz/W

**Entire Drive:** Weight:  g (Battery + Contoller + Motor + 10%) P (in):  W P (out):  W Efficiency:  %

### Motor Data:

Motor Cooling:

Power Scale:

