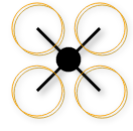


|                     |  |   |  |                              |   |                                    |   |                             |
|---------------------|--|---|--|------------------------------|---|------------------------------------|---|-----------------------------|
| <b>General</b>      | Model Weight:<br>37000 g incl. Drive<br>1305.1 oz                        | # of Rotors:<br>8<br>coaxial                    | Frame Size:<br>1400 mm<br>55.12 inch           | FCU Tilt Limit:<br>no limit  | Field Elevation:<br>2800 m ASL<br>9186 ft ASL | Air Temperature:<br>15 °C<br>59 °F | Pressure (QNH):<br>1013 hPa<br>29.91 inHg |                             |
| <b>Battery Cell</b> | Type (Cont. / max. C) - charge state:<br>LiPo 16000mAh - 15/25C - normal | Configuration:<br>12 S 2 P                      | Cell Capacity:<br>16000 mAh<br>32000 mAh total | max. discharge:<br>85%       | Resistance:<br>0.0015 Ohm                     | Voltage:<br>3.7 V                  | C-Rate:<br>15 C cont.<br>25 C max         | Weight:<br>346 g<br>12.2 oz |
| <b>Controller</b>   | Type:<br>max 80A   | Current:<br>80 A cont.<br>80 A max              | Resistance:<br>0.0035 Ohm                      | Weight:<br>105 g<br>3.7 oz   | <b>Accessories</b>                            | Current drain:<br>0 A              | Weight:<br>0 g<br>0 oz                    |                             |
| <b>Motor</b>        | Manufacturer - Type (Kv) - Cooling:<br>T-Motor U11-120 (120) good        | KV (w/o torque):<br>120 rpm/V<br>Prop-Kv-Wizard | no-load Current:<br>0.7 A @ 10 V               | Limit (up to 15s):<br>4000 W | Resistance:<br>0.057 Ohm                      | Case Length:<br>50 mm<br>1.97 inch | # mag. Poles:<br>14                       | Weight:<br>730 g<br>25.8 oz |
| <b>Propeller</b>    | Type - yoke twist:<br>T-Motor CF - 0°                                    | Diameter:<br>10.2 inch<br>259.5 mm              | Pitch:<br>10.2 inch<br>259.1 mm                | # Blades:<br>2               | PConst / TConst:<br>1.15 / 1.0                | Gear Ratio:<br>1 : 1               | <input type="button" value="calculate"/>  |                             |



Load:

Hover Flight Time:

electric Power:

est. Temperature:

Thrust-Weight:

specific Thrust:

Configuration

Remarks:

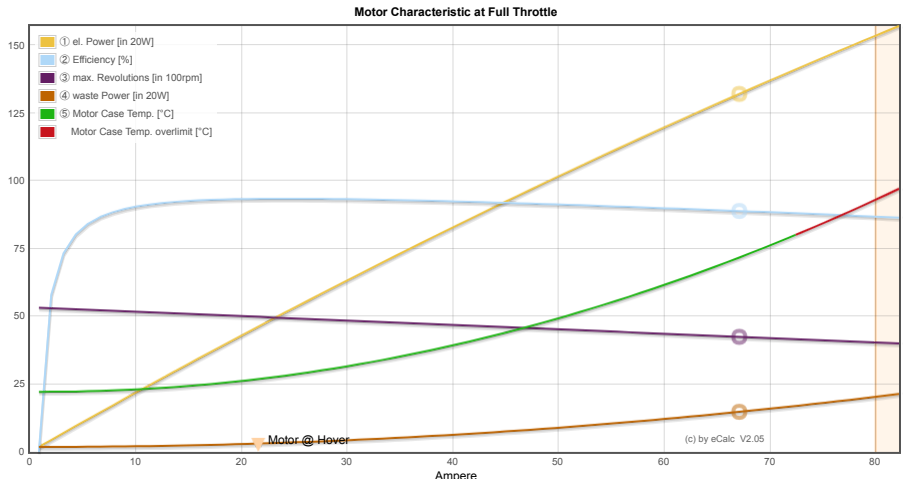
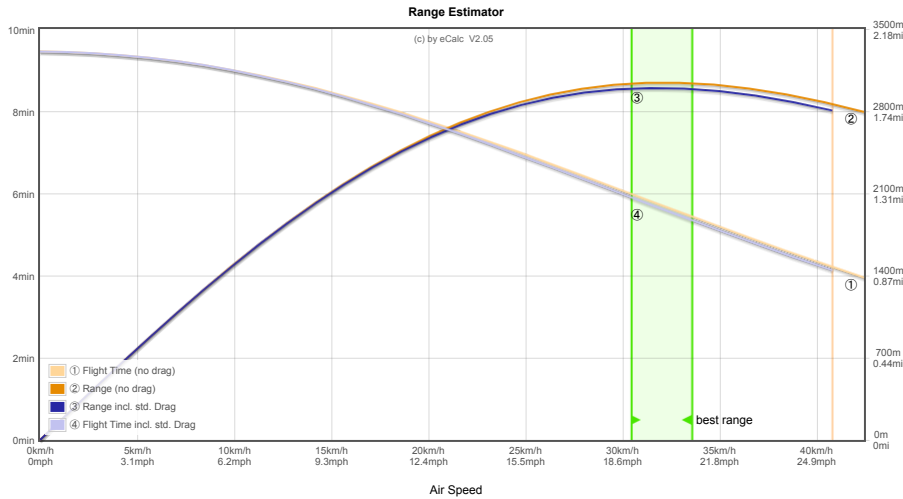
|                            |                                   |                           |                           |                            |                             |
|----------------------------|-----------------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|
| <b>Battery</b>             | <b>Motor @ Optimum Efficiency</b> | <b>Motor @ Maximum</b>    | <b>Motor @ Hover</b>      | <b>Total Drive</b>         | <b>Multicopter</b>          |
| Load: 17.13 C              | Current: 24.29 A                  | Current: 68.51 A          | Current: 21.60 A          | Drive Weight: 16482 g      | All-up Weight: 37000 g      |
| Voltage: 39.47 V           | Voltage: 42.57 V                  | Voltage: 39.23 V          | Voltage: 42.77 V          | Thrust-Weight: 2.0 : 1     | 1305.1 oz                   |
| Rated Voltage: 44.40 V     | Revolutions*: 4935 rpm            | Revolutions*: 4219 rpm    | Revolutions*: 2636 rpm    | Current @ Hover: 172.76 A  | add. Payload: 26437 g       |
| Energy: 1420.8 Wh          | electric Power: 1033.8 W          | electric Power: 2687.4 W  | Throttle (log): 47 %      | P(in) @ Hover: 7670.6 W    | 932.5 oz                    |
| Total Capacity: 32000 mAh  | mech. Power: 965.0 W              | mech. Power: 2380.8 W     | Throttle (linear): 57 %   | P(out) @ Hover: 6569.8 W   | max Tilt: 54 °              |
| Used Capacity: 27200 mAh   | Efficiency: 93.3 %                | Power-Weight: 581.1 W/kg  | electric Power: 923.7 W   | Efficiency @ Hover: 85.6 % | max. Speed: 43 km/h         |
| min. Flight Time: 3.0 min  |                                   | 263.6 W/lb                | mech. Power: 821.2 W      | Current @ max: 548.07 A    | 26.7 mph                    |
| Mixed Flight Time: 8.5 min |                                   | Efficiency: 88.6 %        | Power-Weight: 207.3 W/kg  | P(in) @ max: 24334.2 W     | est. rate of climb: 6.9 m/s |
| Hover Flight Time: 9.4 min |                                   | est. Temperature: 74 °C   | 94 W/lb                   | P(out) @ max: 19046.3 W    | 1358 ft/min                 |
| Weight: 8304 g             |                                   | 165 °F                    | Efficiency: 88.9 %        | Efficiency @ max: 78.3 %   | Total Disc Area: 197.30 dm² |
| 292.9 oz                   |                                   | <b>Wattmeter readings</b> | est. Temperature: 35 °C   |                            | 3058.15 in²                 |
|                            |                                   | Current: 548.08 A         | 95 °F                     |                            | with Rotor fail:            |
|                            |                                   | Voltage: 39.47 V          | specific Thrust: 5.01 g/W |                            |                             |
|                            |                                   | Power: 21632.7 W          | 0.18 oz/W                 |                            |                             |

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Important Note: Before flight recheck your max. current! If your Current, el. Power or RPM are over the manufacturers

for printing use Landscape format \* The manufacturer limitation is NOT monitored

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