# M4006 HighProt Motor Specification

## Specification Ⅰ

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|---|---|---|---|
| Model | M4006 HighProt-330KV | Ingress Protection | IP45 |
| Motor Size | Φ44.4*H19.7 mm | Slot & Pole | 18N24P |
| Dynamic Balance | ≤5 mg | Bearing | Water proof bearing |
| Stator Process | High standard silicon steel sheet, rust proof, 180℃ high temperature resistance paint-coat | | |
| Motor Axle Diameter | Φ4 mm | Props Mounting Dimensions | 4×M3@D12 mm |
| Enamelled wire | 220 ℃ | Motor Mounting Dimensions | 4×M3@D25 mm |
| Magnet | 180 ℃ | Motor Mounting Screw Tightening Torque | 1~1.2 N·m |
| Isolation Test | 500V AC high voltage resistance test | Rated RPM | 3860 rpm |
| Rated Output Power (Max continuous) | 80 W | Rated Power Density | 1.11 kW/kg |

## Specification Ⅱ

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|---|---|
| KV | 330 KV |
| Battery (LiPo) | LiPo-6S |
| Rated Voltage | 23 V |
| No-load Current | 0.58 A @23V |
| Maximum Current (non-hermetic<br>Ambient Temperature ≤ 25℃) | 15.8 A @23V |
| Max Thrust | 2.3 kg |
| Resistance | 218.5 mΩ |
| Wire Size | Enameled wire direct lead-out |
| Three-Phase Wires Length | 50 mm |
| Weight (with cable) | 72 g |