

## M8108 HighProt Motor Specification

### Specification I

Model	M8108 HighProt-85/100KV	Protection level	IP45
Motor size	Φ87.1*H26.9 mm	Slot & Pole	36N42P
Stator size	Φ81*H8 mm	Dynamic balance	≤10 mg
Stator process	High standard silicon steel sheet, rust proof, 180°C high temperature resistance paint-coat	Bearing	Water proof bearing
Enamelled wire	220 °C	Motor axle diameter	shaft sleeve Φ10 mm
Magnet	180 °C	Props mounting dimensions	4×M4@D23 mm, 4×M3@D20 mm
Isolation test	500V AC high voltage resistance test	Motor mounting dimensions	4×M4@D36 mm
Rated output power (Max continuous)	238 W		

### Specification II

KV	85 KV	100 KV
Battery (LiPo)	LiPo-12S	LiPo-12S
No-load current	0.67 A	1.11 A
Maximum current (Non-hermetic Ambient Temperature ≤ 25°C)	27.2 A	34.3 A
Max thrust	7.2 kg	9.3 kg
Resistance	241.2 mΩ	163.3 mΩ
Wire size	16 AWG	16 AWG
Three-phase wires length	100 mm	100 mm
Weight (With cable)	270 g	271 g