M8108 HighProt Motor Specification

Specification Ⅰ

Model	M8108 HighProt-85/100KV	Ingress Protection	IP45
Motor Size	Φ87.1*H26.9 mm	Slot & Pole	36N42P
Dynamic Balance	≤10 mg	Bearing	Water proof bearing
Stator Process	High standard silicon steel sheet, rust proof, 180℃ high temperature resistance paint-coat		
Motor Axle Diameter	shaft sleeve Φ10 mm	Props Mounting Dimensions	4×M4@D23 mm, 4×M3@D20 mm
Enamelled wire	220 ℃	Motor Mounting Dimensions	4×M4@D36 mm
Magnet	180 ℃	Motor Mounting Screw Tightening Torque	2.5~3 N·m
Isolation Test	500V AC high voltage resistance test	Rated RPM	2300 rpm (85KV) 2450 rpm (100KV)
Rated Output Power (Max continuous)	290 W	Rated Power Density	1.07 kW/kg

Specification Ⅱ

KV	85 KV	100 KV
Battery (LiPo)	LiPo-12S	LiPo-12S
Rated Voltage	46 V	46 V
No-load Current	0.67 A @46V	1.11 A @46V
Maximum Current (non-hermetic Ambient Temperature ≤ 25℃)	27.2 A @46V	34.3 A @46V
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