M6210 HighProt Motor Specification

Specification Ⅰ

Model	M6210 HighProt-170/320KV	Ingress Protection	IP45
Motor Size	Φ68.7*H30.2 mm	Slot & Pole	24N28P
Dynamic Balance	≤8 mg	Bearing	Water proof bearing
Stator Process	High standard silicon steel sheet, rust proof, 180℃ high temperature resistance paint-coat		
Motor Axle Diameter	Φ6 mm	Props Mounting Dimensions	4×M3@D12 mm, 4×M3@D18 mm
Enamelled wire	200 ℃	Motor Mounting Dimensions	4×M4@D25 mm
Magnet	150 ℃	Motor Mounting Screw Tightening Torque	2.5~3 N·m
Isolation Test	500V AC high voltage resistance test	Rated RPM	4000 rpm (170KV) 3900 rpm (320KV)
Rated Output Power (Max continuous)	270 W	Rated Power Density	1.17 kW/kg (170KV) 1.13 kW/kg (320KV)

Specification Ⅱ

KV	170 KV	320 KV
Battery (LiPo)	LiPo-12S	LiPo-6S
Rated Voltage	46 V	23 V
No-load Current	1.31 A @46V	1.97 A @23V
Maximum Current (non-hermetic Ambient Temperature ≤ 25℃)	42.9 A @46V	55.2 A @23V
Max Thrust	9.1 kg	7.1 kg
Resistance	98.6 mΩ	33.65 mΩ
Wire Size	16 AWG	16 AWG
Three-Phase Wires Length	150 mm	150 mm
Weight (with cable)	231 g	239 g