M5208 HighProt Motor Specification

Specification Ⅰ

Model	M5208 HighProt-320/380KV	Ingress Protection	IP45
Motor Size	Φ58*H29.8 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	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	3360 rpm (320KV) 4300 rpm (380KV)
Rated Output Power (Max continuous)	133/150 W (320/380KV)	Rated Power Density	0.8 kW/kg (320KV) 0.91 kW/kg (380KV)

Specification Ⅱ

KV	320 KV	380 KV
Battery (LiPo)	LiPo-6S	LiPo-6S
Rated Voltage	23 V	23 V
No-load Current	1.5 A @23V	1.8 A @23V
Maximum Current (non-hermetic Ambient Temperature ≤ 25℃)	55 A @23V	45 A @23V
Max Thrust	5.4 kg	5.2 kg
Resistance	55.8 mΩ	43.4 mΩ
Wire Size	16 AWG	16 AWG
Three-Phase Wires Length	80 mm	80 mm
Weight (with cable)	166 g	165.5 g