

M13842 HighProt Motor Specification

Specification I

Model	M13842 HighProt-34/38KV	Protection level	IPX5
Motor size	Φ150.2*H89.5 mm	Slot & Pole	36N42P
Stator size	Φ138*H42 mm	Dynamic balance	≤60 mg
Stator process	High standard silicon steel sheet, rust proof, 180°C high temperature resistance paint-coat	Bearing	Water proof bearing
Enamelled wire	200 °C	Motor axle diameter	Φ15 mm
Magnet	180 °C	Props mounting dimensions	6×M5@Φ40 mm
Isolation test	1000V AC high voltage resistance test	Motor mounting dimensions	6×M6@Φ60 mm
Rated output power (Max continuous)	4335W		

Specification II

KV	34 KV	38 KV
Battery (LiPo)	LiPo-24S	LiPo-24S
No-load current	8.3 A	10 A
Maximum current (Non-hermetic Ambient Temperature ≤ 25°C)	241 A	278 A
Max thrust	105 kg	108 kg
Resistance	20.8 mΩ	15.7 mΩ
Wire size	enameled wire direct lead-out	enameled wire direct lead-out
Three-phase wires length	200 mm	200 mm
Weight (With cable)	3900 g	3930 g