

V13828 Motor Specification

Specification I

Model	V13828-55KV	Protection level	IP45
Motor size	Φ147.9*H71.8 mm	Slot & Pole	36N42P
Stator size	Φ138*H28 mm	Dynamic balance	≤70 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	Φ15 mm
Magnet	140 °C	Props mounting dimensions	6×M5@D40 mm
Isolation test	1000V AC high voltage resistance test	Motor mounting dimensions	6×M6@D50 mm
Rated output power (Max continuous) 5960 W			

Specification II

KV	55 KV
Battery (LiPo)	LiPo-24S (92V)
No-load current	≤11.1 A (92V)
Maximum current (Non-hermetic Ambient Temperature ≤ 25°C)	245 A
Rated thrust	35~40 kg (92V@45x18)
Max thrust	81.6 kg (92V@45x18)
Resistance	13.65~14.50 mΩ
Wire size	enameled wire direct lead-out
Three-phase wires length	150±10 mm
Magnetic encoder cable length	175±10 mm
Weight (With cable)	2465 g