

Technical specifications of lifting motor block

MODEL: VTEM16

Motor	Rest VTEM16-Q16-KV220
ESC	Rest MDT80A 12S
Propeller	Rest CQ 22x6.6"



Technical specifications :

Propeller diameter	22 ± 1 inches (558,8 ± 25,4 mm)
Height	50 ± 10 mm
Weight	675 ± 10 g
Required static thrust minimum	11 kgf
Maximum power required	≥3200 W
Voltage	12S Lipo range (44.4 ÷ 50.4 VDC)
Maximum current required	≥75 A
Control signal type	PWM
Waterproof and dustproof standard:	IP 45

Pitch	6.6 ± 1 inches (167,6 ± 25,4 mm)
Control signal range	Covers the range of 1,100 ÷ 1,900 us
No-load speed constant	220 Kv
Maximum rotation speed	8000 ± 500 RPM
Magnetic pole configuration	24N28P
Coil insulation test standard	500 V
Dynamic balance standard	Rotor ≤5 mg; Motor ≤10 mg
Wing material	CF+Epoxy
Copper wire type	High temperature resistant wire 220C, level C