

Continuous Power (kW)	13.0
Continuous Torque (Nm)	77.6
Rotation speed (rpm)	1,600
Efficiency (%)	94%
Minimal Battery Voltage (V)	415.0
Phase Current RMS (A)	27
Power per mass (kW/kg)	1.9
Torque per mass (Nm/kg)	11.1
Losses (W)	830
Peak Power (kW)	20
Peak Torque (Nm)	106.1
Rotation speed (rpm)	1,800
Efficiency (%)	92%
Minimal Battery Voltage (V)	481.0
Phase Current RMS (A)	30
Power per mass (kW/kg)	2.9
Torque per mass (Nm/kg)	15.2
Losses (W)	1739
Motor Mass (kg)	7
Max Rotation Speed (rpm)	4,800
Lamination length (mm)	30
Number of poles	28.00
Number of slots	24.00
Cooling system	air
Wire size	0.6x4.5 23 turns
Phase cross section (mm^2) (10AWG 5.5mm)	2.7
Phase current density (Continuous) (Arms/mm^2)	10.1
Torque Pulsation (Continuous) (%)	3.4%
Motor velocity constant KV (rpm/V)	4.3
Motor torque constant Kt (Nm/A)	2.24
Size D/L (mm)	226/86
Magnets grade (max temp 150 C)	N52UH
Stator core steel	H 070-20
Motor max working temp (C)	150.00
Battery cells	164
Battery max voltage (V)	689
Battery min voltage (V)	492
Motor mounting	6xM6 on 60 mm
Motor mounting:	6xM6 on 60 mm
Safety factor	>3
Temperature sensor	PT1000
TBO 70 kg 1600 rpm (hour)	2638
Recommended propeller	72"
Trust continues (kg)	100