

Technical data | Axial flux motor - Sae 5

3GE0C9E1

Rated power [kW]	25
Nominal torque [Nm] (SI)	80
Peak torque [Nm] (S2-60s)	160
DC-Link voltage [V]	700
Rated current [A]	45
Nominal speed [rpm]	3000
Maximum mechanical speed [rpm]	4000
Phase e.m.f. constant [mV/rpm]	67
Torque constant [Nm/A]	1,78
Rated frequency [Hz]	250
Number of poles	10
Motor type	Permanent magnet synchronous, sinusoidal e.m.f.
Cooling	Liquid, T _{max} = 40°C - 10 l/min - T _{max} = 60°C (con derating)
Fixing flange	SAE5
Disc-disc length [mm]	96
Length with sensor [mm]	206
Diameter [mm]	356
Weight [kg]	40