

## Technical data | Axial flux motor - Sae 4

3GE07AE9

Rated power [kW]	45
Nominal torque [Nm] (SI)	140
Peak torque [Nm] (S2-60s)	280
DC-Link voltage [V]	700
Rated current [A]	85
Nominal speed [rpm]	3000
Maximum mechanical speed [rpm]	4000
Phase e.m.f. constant [mV/rpm]	67
Torque constant [Nm/A]	1,65
Rated frequency [Hz]	250
Number of poles	10
Motor type	Permanent magnet synchronous, sinusoidal e.m.f.
Cooling	Liquid, T <sub>max</sub> = 40°C - 10 l/min - T <sub>max</sub> = 60°C (con derating)
Fixing flange	SAE4
Disc-disc length [mm]	102
Length with sensor [mm]	214
Diameter [mm]	403
Weight [kg]	52