



## Electrical Parameters

Type: 32 mm sensorless

12VDC version

Date: 29.08.2006

Rev: -

### Coil Dependent Parameters

1	Resistance phase/phase	ohm	0.45
2	Inductance phase/phase	mH	0.90
3	Back-EMF Constant	V/Krpm	0.18
4	Torque Constant	mNm/A	1.69

### Dynamic Parameters

5	Rated Voltage	V	12.0
6	No-load Current	A	0.18
7	No-load Speed	rpm	67300
8	Max Continuous Stall Torque	mNm	3.7
9	Max Continuous Stall Current	A	2.35
10	Max Continuous Torque @ 50 Krpm	mNm	2.7
11	Max Continuous Current @ 50 Krpm	A	1.75
12	Max Continuous Output Power @ 50 Krpm	W	13.9

### Motor Parameters

13	Motor Constant	mNm/W <sup>1/2</sup>	2.5
14	Rotor Inertia	10 <sup>-7</sup> Kg.m <sup>2</sup>	1.1
15	Mechanical Time Constant	ms	17.3
16	Electrical Time Constant	ms	2.0
17	Thermal resistance	°C/W	17

