

## Technical specification

**Model** 9C11600R000001M00

**MRP code**

### Motor parameters

Continuous stall torque	Mo	1	1.35	Nm
Peak stall torque	Mmax	2	4.05	Nm
Rated torque	Mn @ nN	1	1.2	Nm
Rated speed	nN		6000	rpm
Rated frequency	fN		500	Hz
Number of motor poles	p		10	

### Winding specifications

Torque constant	KTo_cold	2-3-5	0.72	Nm/A
Voltage constant	KE	2-3-4	0.42	Vs/rad
Resistance between phases [Ω]	R	2-3	13.4	Ohm
Inductance between phases [mH]	L	6	54.0	mH
Continuous current @ Mo	Io	1-5	2.1	A
Current @ Mmax	Imax	2-5	7.1	A
Rated current @ Mn	In	1-5	2.0	A
Bemf between phases @ nN	Ephph	2-3-4	261	V

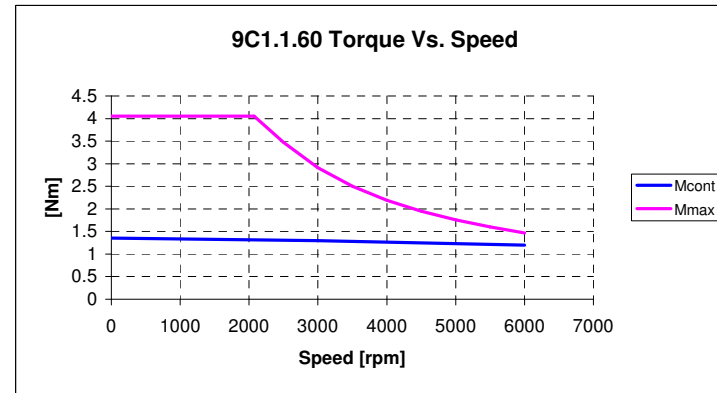
### Mechanical parameters

Moment of inertia of rotor	JM	7	0.57	kg.cm <sup>2</sup>
Mass of the motor	M	7	3.0	kg
Protection degree (body only)	-		IP65	

#### Notes:

- 1) Average motor windings over temperature 100 °C, ambient temperature 40 °C, flange mounted (300x300x20 steel)
- 2) All motor parts at 20 °C
- 3) Tolerance +/-10%
- 4) Vrms between phases
- 5) Arms
- 6) Tolerance +/-15%
- 7) Motor without brake

All values have been calculated



#### Notes:

DC bus voltage: 565 Vdc (AC 400 V supply)  
Max torque curve may depend on actual DC bus voltage.

#### Transducer type

2-pole resolver, size 15  
Resolver pole pairs: 1  
Supply voltage: 7 V  
Supply frequency: 10 kHz

Motor overall dimensions on next page

See motor quick guide for additional information on installation, connections and transducers.

