

Technical specification

Model 9C11300R000001M00
MRP code 68881358

Motor parameters

Continuous stall torque	Mo	1	1.35	Nm
Peak stall torque	Mmax	2	4.05	Nm
Rated torque	Mn @ nN	1	1.3	Nm
Rated speed	nN		3000	rpm
Rated frequency	fN		250	Hz
Number of motor poles	p		10	

Winding specifications

Torque constant	KTo_cold	2-3-5	1.15	Nm/A
Voltage constant	KE	2-3-4	0.66	Vs/rad
Resistance between phases [Ω]	R	2-3	34.0	Ohm
Inductance between phases [mH]	L	6	108.0	mH
Continuous current @ Mo	Io	1-5	1.3	A
Current @ Mmax	I _{max}	2-5	4.5	A
Rated current @ Mn	I _n	1-5	1.4	A
Bemf between phases @ nN	E _{phph}	2-3-4	208	V

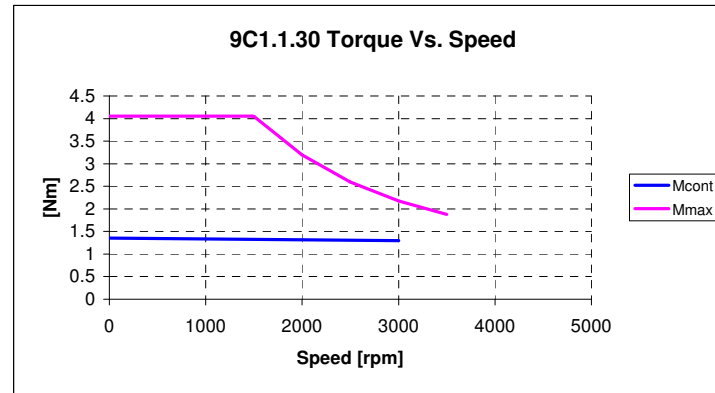
Mechanical parameters

Moment of inertia of rotor	JM	7	0.57	kg.cm ²
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.

