

Engineering data (WIN 777)

DC bus voltage	36 V DC
Nominal AC voltage	25 V AC (rms)
Rated voltage	19 V AC (rms)
Rated power	160 W
Rated speed	3000 rpm
Rated torque	0.51 Nm
Rated current	7.65 A (rms)
Peak torque	2.08 Nm
Peak current	33.2 A (rms)
Stall torque	0.54 Nm
Stall current	7.6 A (rms)
No load speed	5710 rpm
EMF constant ±10%	4.3 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.07 Nm / A (rms)
Torque constant ±10% @ rated load	0.07 Nm / A (rms)
Number of poles	6
Electrical time constant	1.23 ms
Winding terminal resistance	0.62 Ω
Rotary field terminal inductance	0.76 mH

Customs info

HS Code	85015100
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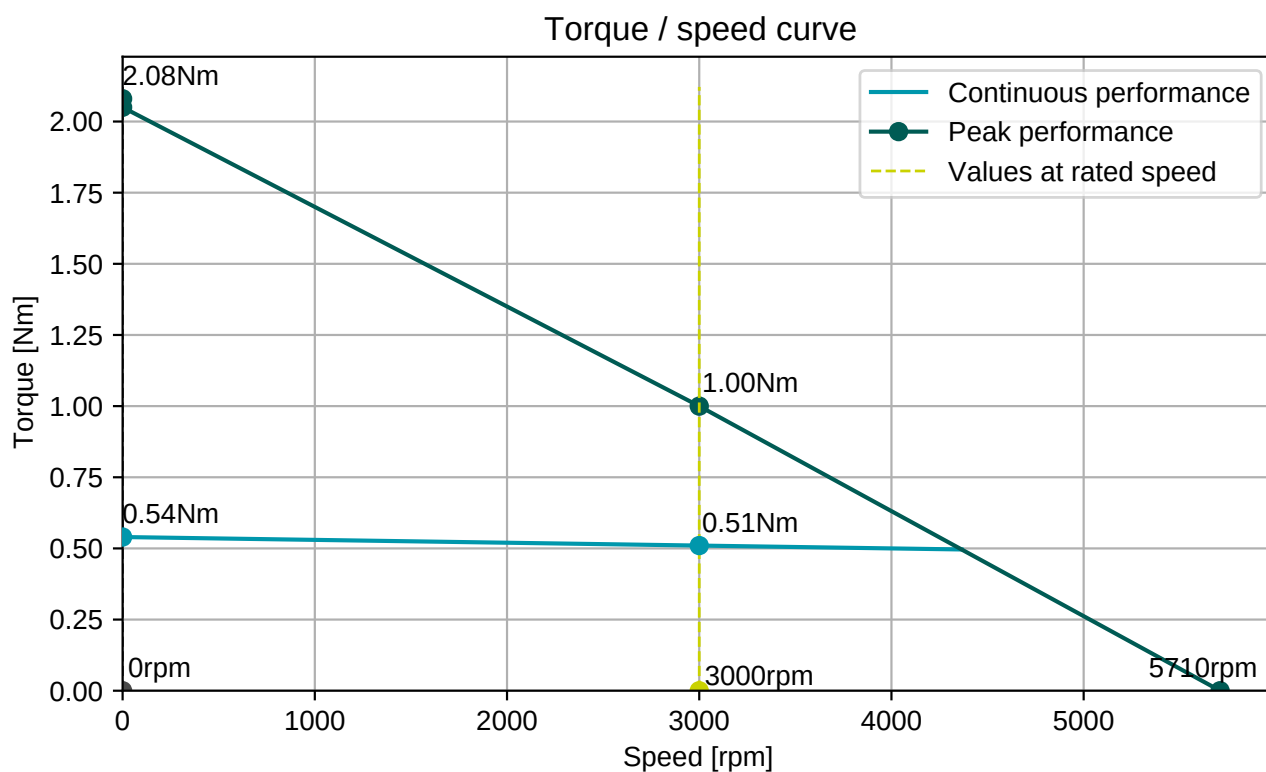
Mechanical data (setting 5)

Max mechanical speed	12000 rpm
Mech. time constant	1.49 ms
Thermal time constant	12 min
Rotor inertia	0.07 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	44 N
Max. radial force 20kh	234 N*
Max. axial force 100kh	26 N
Max. radial force 100kh	137 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PTC 111-K13 {PTC 111-K13 Reissmann}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)


Cable SF4x1,5, D=9,6±0,4mm
Cable R4x2x0,25, D=6,8±0,4mm

Connector 1 (21)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-

Numbers printed on the cables

Connector 2 (22)	
white	R1
brown	R2
grey	S1
green	S2
pink	S3
yellow	S4
red	Therm+
blue	Therm-

