

Engineering data (WIN 702)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	136 V AC (rms)
Rated power	355 W
Rated speed	3000 rpm
Rated torque	1.13 Nm
Rated current	2.31 A (rms)
Peak torque	3.45 Nm
Peak current	9.2 A (rms)
Stall torque	1.15 Nm
Stall current	2.02 A (rms)
No load speed	6320 rpm
EMF constant ±10%	34.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.57 Nm / A (rms)
Torque constant ±10% @ rated load	0.49 Nm / A (rms)
Number of poles	10
Electrical time constant	2.15 ms
Winding terminal resistance	8.39 Ω
Rotary field terminal inductance	18 mH

Customs info

HS Code	85015100
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Mechanical data (setting 5)

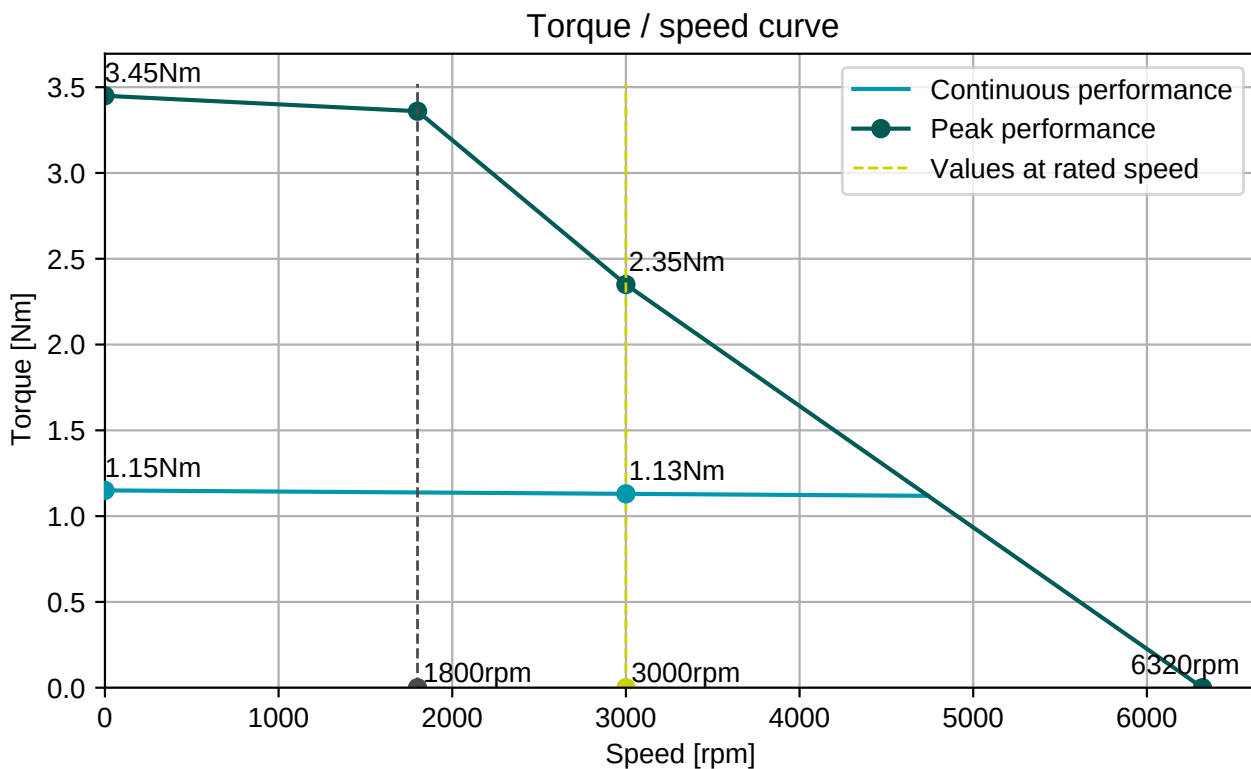
Max mechanical speed	12000 rpm
Mech. time constant	1.38 ms
Thermal time constant	21 min
Rotor inertia	0.31 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection

Sensors

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

Brake

Braking torque	4.50 Nm
Voltage	24 V DC
Power @20°C	12.0 W
Current @20°C	0.50 A
Inertia	0.20 kgcm ²
Mass	0.47 kg



Cable SF4x1/(2x0,75), D=10,3±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-

