

Engineering data (WIN 742)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	146 V AC (rms)
Rated power	1.0 kW
Rated speed	6000 rpm
Rated torque	1.65 Nm
Rated current	5.52 A (rms)
Peak torque	6.15 Nm
Peak current	20.5 A (rms)
Stall torque	2.05 Nm
Stall current	5.1 A (rms)
No load speed	8950 rpm
EMF constant ±10%	24.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.41 Nm / A (rms)
Torque constant ±10% @ rated load	0.30 Nm / A (rms)
Number of poles	10
Electrical time constant	2.44 ms
Winding terminal resistance	1.68 Ω
Rotary field terminal inductance	4.1 mH

Customs info

HS Code	85015220
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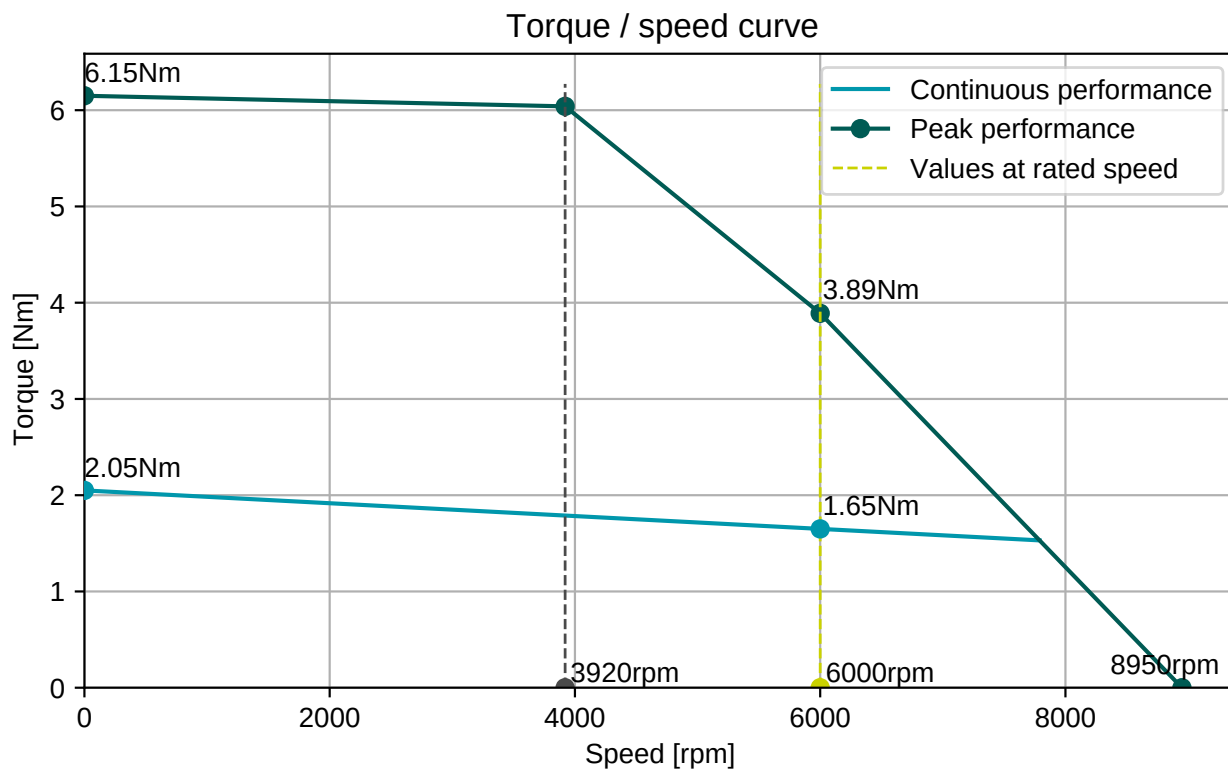
Mechanical data (setting 5)

Max mechanical speed	12000 rpm
Mech. time constant	0.97 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	56 N
Max. radial force 20kh	293 N*
Max. axial force 100kh	32 N
Max. radial force 100kh	171 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)



BGC110N00001216000

M23, 8 poles, rotary



AGC052N00001215000

M23, 12 poles, rotary



Connector 1 (9)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (10)

2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1

