

Engineering data (WIN 749)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	182 V AC (rms)
Rated power	942 W
Rated speed	5000 rpm
Rated torque	1.80 Nm
Rated current	4.01 A (rms)
Peak torque	6.15 Nm
Peak current	14.3 A (rms)
Stall torque	2.05 Nm
Stall current	3.54 A (rms)
No load speed	6260 rpm
EMF constant ±10%	35 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.58 Nm / A (rms)
Torque constant ±10% @ rated load	0.45 Nm / A (rms)
Number of poles	10
Electrical time constant	2.53 ms
Winding terminal resistance	3.24 Ω
Rotary field terminal inductance	8.2 mH

Customs info

HS Code	85015220
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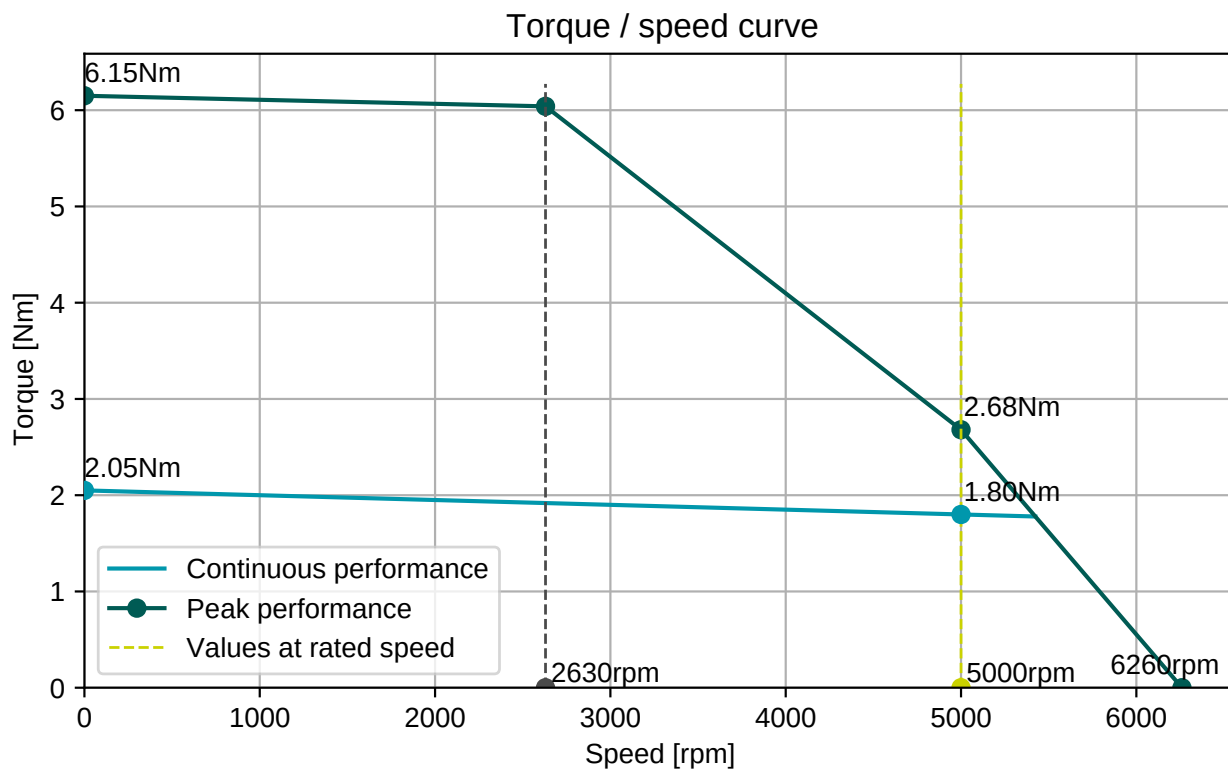
Mechanical data (setting 5)

Max mechanical speed	12000 rpm
Mech. time constant	0.92 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	59 N
Max. radial force 20kh	311 N*
Max. axial force 100kh	35 N
Max. radial force 100kh	182 N*

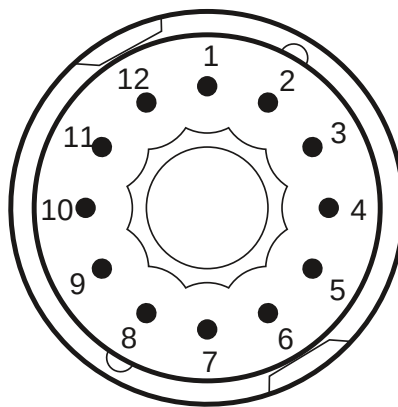
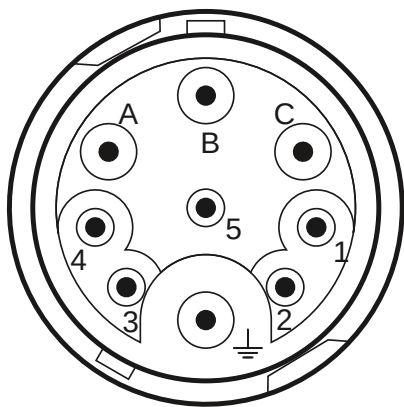
* Defined for point of action at ½ output shaft length

Sensors

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



EGA101N00000001000
 2x M15, 9 and 12 poles rotary



Connector 1 (226)

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

Connector 2 (227)

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

