

Engineering data (WIN 1530)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	171 V AC (rms)
Rated power	298 W
Rated speed	5000 rpm
Rated torque	0.57 Nm
Rated current	1.29 A (rms)
Peak torque	2.47 Nm
Peak current	5.9 A (rms)
Stall torque	0.75 Nm
Stall current	1.44 A (rms)
No load speed	6930 rpm
EMF constant ±10%	31.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.521 Nm / A (rms)
Torque constant ±10% @ rated load	0.442 Nm / A (rms)
Number of poles	10
Electrical time constant	1.13 ms
Winding terminal resistance	12.438 Ω
Rotary field terminal inductance	14.1 mH

Customs info

HS Code	85015100
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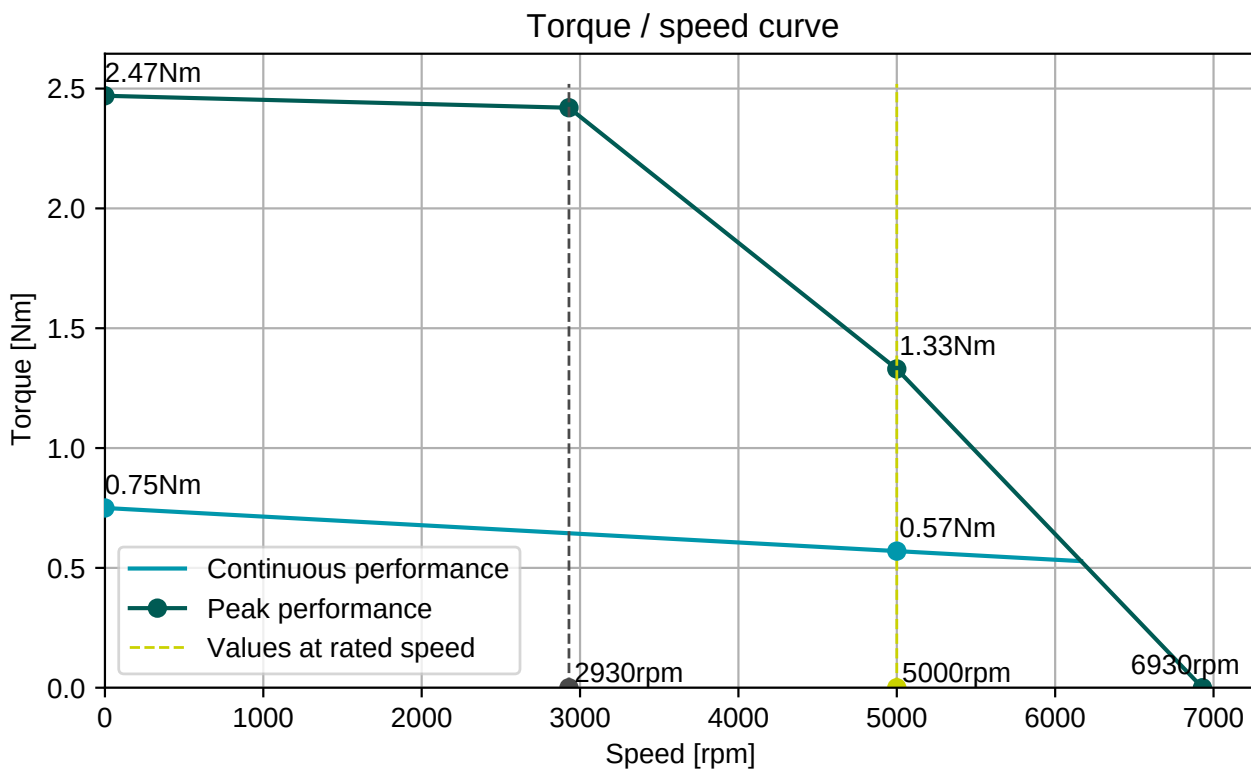
Mechanical data (setting 5)

Max mechanical speed	12000 rpm
Mech. time constant	2.62 ms
Thermal time constant	20 min
Rotor inertia	0.33 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.3 kg
Max. axial force 20kh	39 N
Max. radial force 20kh	207 N*
Max. axial force 100kh	23 N
Max. radial force 100kh	121 N*

* Defined for point of action at ½ output shaft length

Sensors

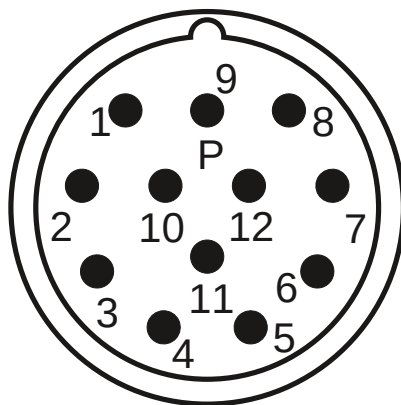
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)


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

