

Engineering data (WIN 1620)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	162 V AC (rms)
Rated power	624 W
Rated speed	4000 rpm
Rated torque	1.49 Nm
Rated current	2.68 A (rms)
Peak torque	11.4 Nm
Peak current	18.8 A (rms)
Stall torque	3 Nm
Stall current	4.37 A (rms)
No load speed	5280 rpm
EMF constant ±10%	41.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.686 Nm / A (rms)
Torque constant ±10% @ rated load	0.556 Nm / A (rms)
Number of poles	10
Electrical time constant	1.62 ms
Winding terminal resistance	2.479 Ω
Rotary field terminal inductance	4.02 mH

Customs info

HS Code	85015100
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Mechanical data (setting 5)

Max mechanical speed	12000 rpm
Mech. time constant	1.09 ms
Thermal time constant	40 min
Rotor inertia	1.2 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	3.3 kg
Max. axial force 20kh	62 N
Max. radial force 20kh	328 N*
Max. axial force 100kh	36 N
Max. radial force 100kh	192 N*

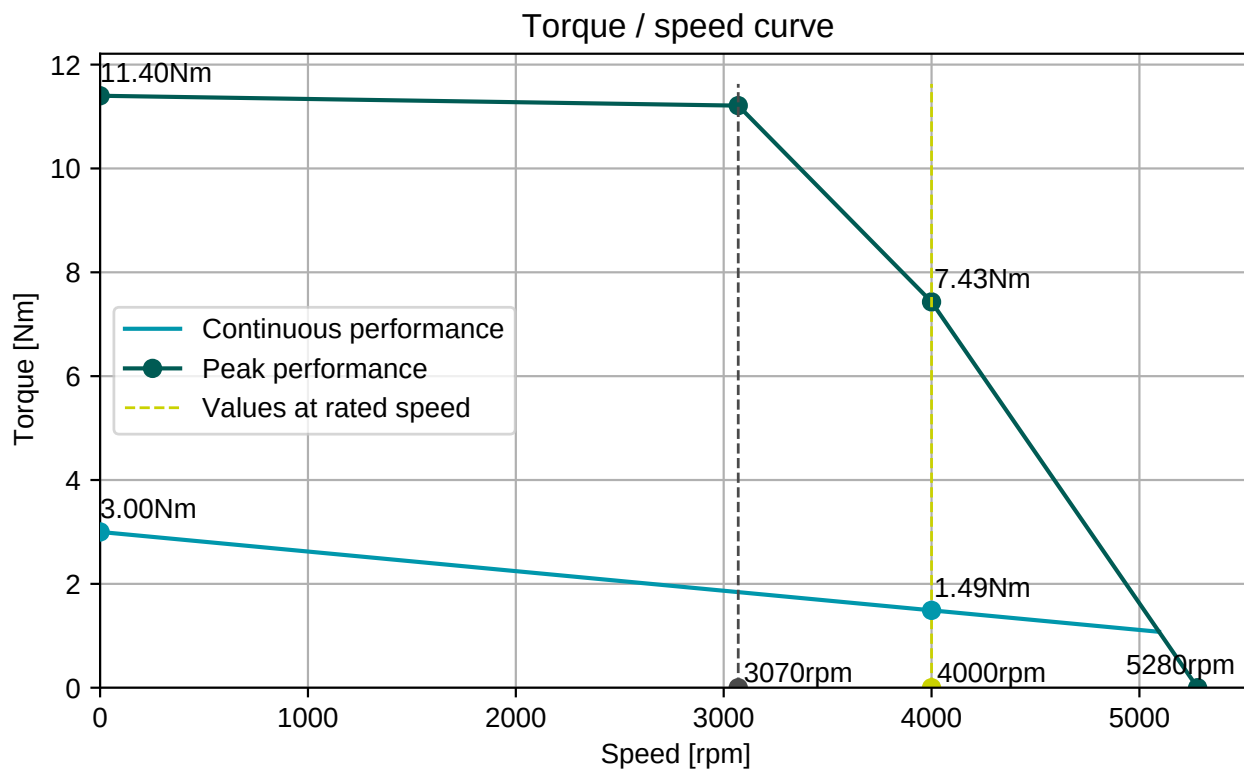
* Defined for point of action at ½ output shaft length

Sensors

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

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


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

