

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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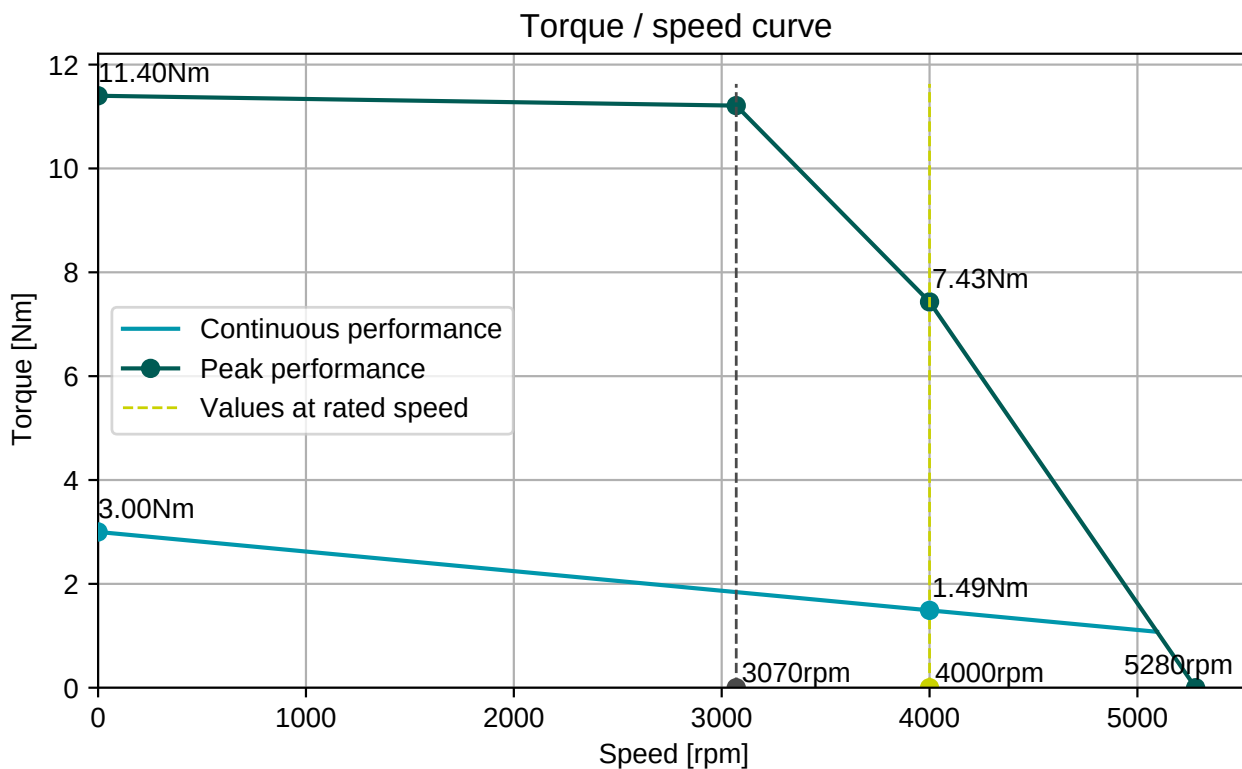
Mechanical data (setting 48)

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	2.8 kg
Max. axial force 20kh	61 N
Max. radial force 20kh	324 N*
Max. axial force 100kh	36 N
Max. radial force 100kh	189 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 17 bits


BGC110N00001216000

M23, 8 poles, rotary


Connector 1 (283)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+

