

Engineering data (WIN 978)

DC bus voltage	48 V DC
Nominal AC voltage	33 V AC (rms)
Rated voltage	25 V AC (rms)
Rated power	160 W
Rated speed	3000 rpm
Rated torque	0.51 Nm
Rated current	6.01 A (rms)
Peak torque	2.16 Nm
Peak current	27.5 A (rms)
Stall torque	0.54 Nm
Stall current	6 A (rms)
No load speed	5930 rpm
EMF constant ±10%	5.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.09 Nm / A (rms)
Torque constant ±10% @ rated load	0.08 Nm / A (rms)
Number of poles	6
Electrical time constant	1.21 ms
Winding terminal resistance	0.99 Ω
Rotary field terminal inductance	1.2 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.45 ms
Thermal time constant	12 min
Rotor inertia	0.07 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.7 kg
Max. axial force 20kh	48 N
Max. radial force 20kh	254 N*
Max. axial force 100kh	28 N
Max. radial force 100kh	149 N*

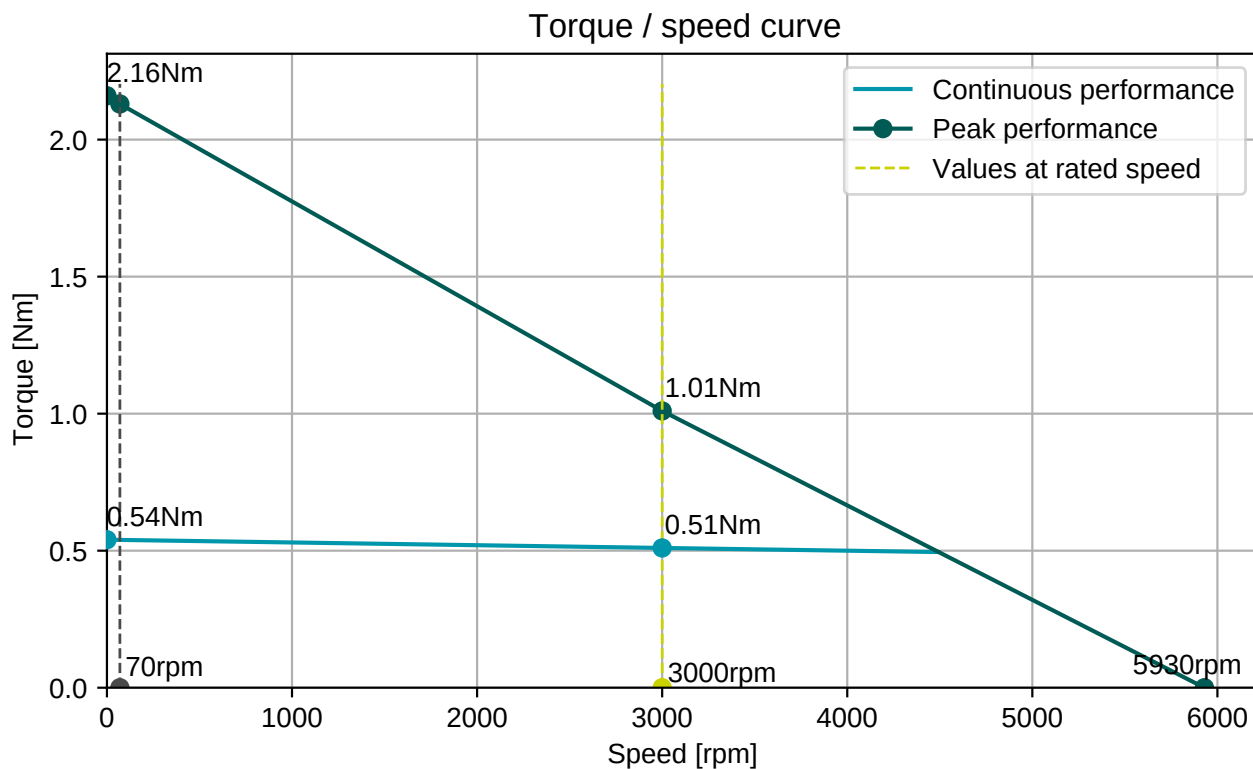
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits

Brake

Braking torque	2.00 Nm
Voltage	24 V DC
Power @20°C	11.0 W
Current @20°C	0.46 A
Inertia	0.08 kgcm ²
Mass	0.20 kg


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+

