

Engineering data (WIN 750)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	161 V AC (rms)
Rated power	270 W
Rated speed	6000 rpm
Rated torque	0.43 Nm
Rated current	1.3 A (rms)
Peak torque	2.16 Nm
Peak current	6.8 A (rms)
Stall torque	0.54 Nm
Stall current	1.48 A (rms)
No load speed	9870 rpm
EMF constant ±10%	22 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.36 Nm / A (rms)
Torque constant ±10% @ rated load	0.33 Nm / A (rms)
Number of poles	6
Electrical time constant	1.25 ms
Winding terminal resistance	15.82 Ω
Rotary field terminal inductance	19.8 mH

Customs info

HS Code	85015100
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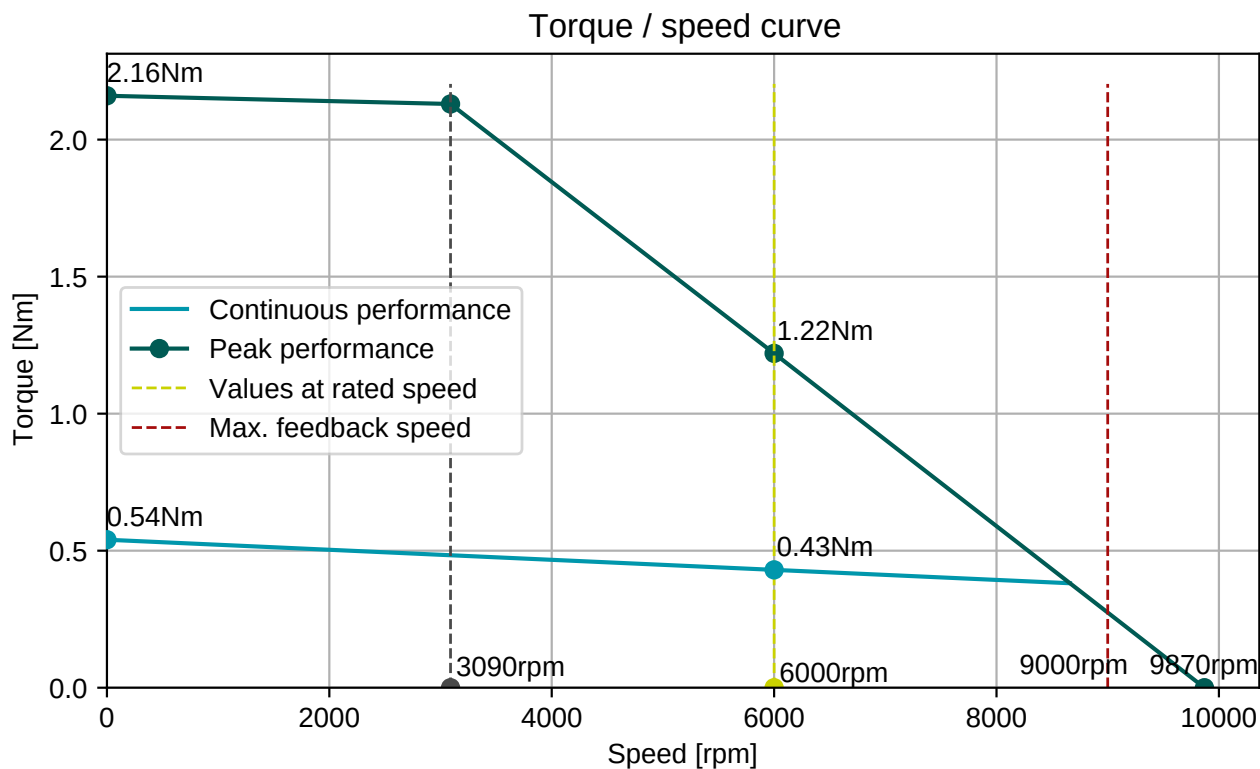
Mechanical data (setting 48)

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	1.15 kg
Max. axial force 20kh	35 N
Max. radial force 20kh	186 N*
Max. axial force 100kh	21 N
Max. radial force 100kh	109 N*

* Defined for point of action at ½ output shaft length

Sensors

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

