

Engineering data (WIN 1600)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	280 V AC (rms)
Rated power	580 W
Rated speed	4500 rpm
Rated torque	1.23 Nm
Rated current	1.43 A (rms)
Peak torque	8.36 Nm
Peak current	9.2 A (rms)
Stall torque	2.2 Nm
Stall current	2.11 A (rms)
No load speed	6010 rpm
EMF constant ±10%	63 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.042 Nm / A (rms)
Torque constant ±10% @ rated load	0.860 Nm / A (rms)
Number of poles	10
Electrical time constant	1.58 ms
Winding terminal resistance	8.941 Ω
Rotary field terminal inductance	14.1 mH

Customs info

HS Code	85015100
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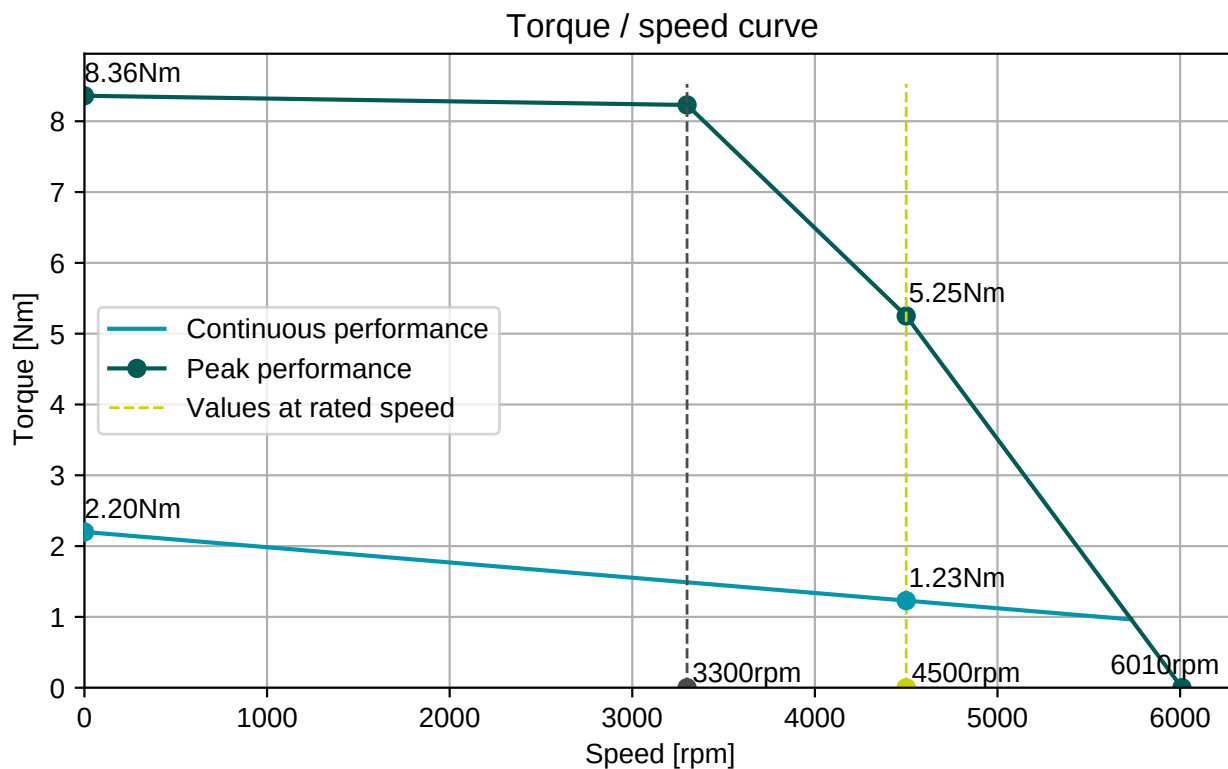
Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.21 ms
Thermal time constant	32 min
Rotor inertia	0.85 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2.2 kg
Max. axial force 20kh	54 N
Max. radial force 20kh	286 N*
Max. axial force 100kh	32 N
Max. radial force 100kh	167 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+

