

Engineering data (WIN 1115)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	161 V AC (rms)
Rated power	683 W
Rated speed	1500 rpm
Rated torque	4.35 Nm
Rated current	3.14 A (rms)
Peak torque	14.4 Nm
Peak current	11.2 A (rms)
Stall torque	4.8 Nm
Stall current	3.12 A (rms)
No load speed	2360 rpm
EMF constant ±10%	93 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.54 Nm / A (rms)
Torque constant ±10% @ rated load	1.39 Nm / A (rms)
Number of poles	10
Electrical time constant	3.05 ms
Winding terminal resistance	6.07 Ω
Rotary field terminal inductance	18.5 mH

Customs info

HS Code	85015100
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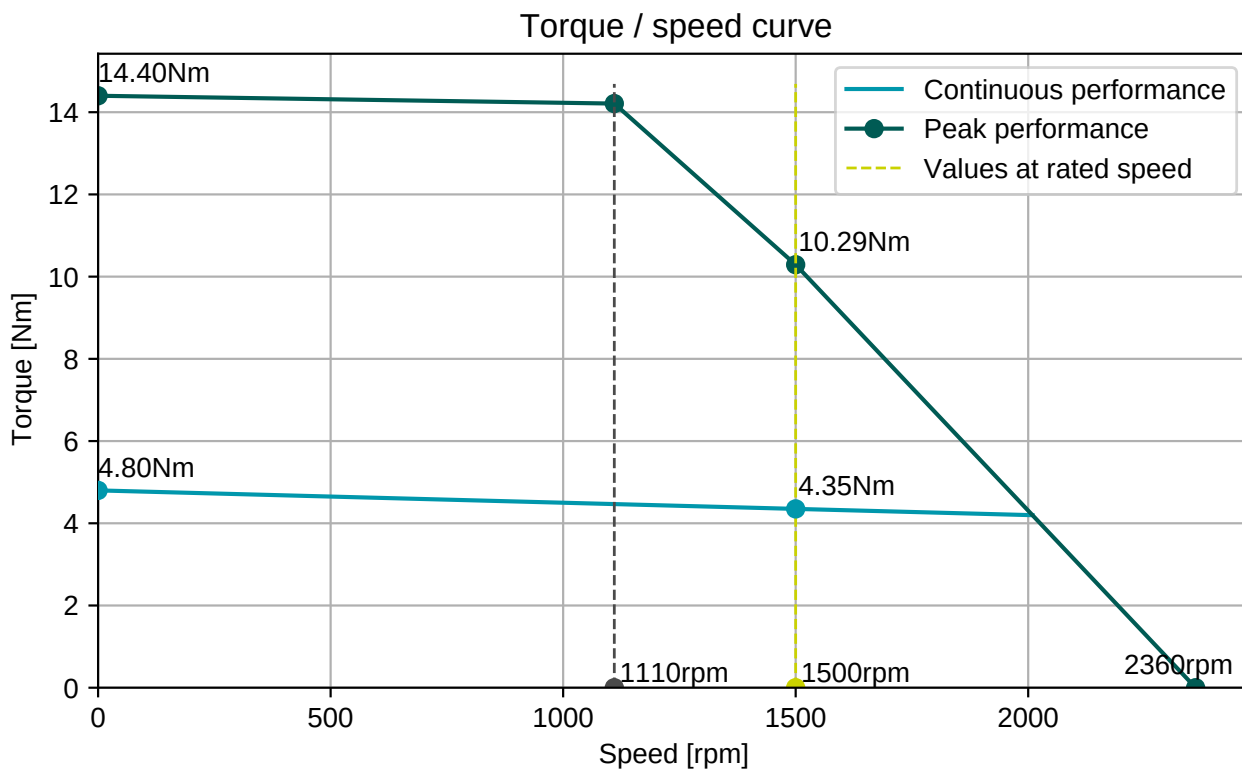
Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	0.68 ms
Thermal time constant	30 min
Rotor inertia	1.52 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2 kg
Max. axial force 20kh	94 N
Max. radial force 20kh	494 N*
Max. axial force 100kh	55 N
Max. radial force 100kh	289 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+

