

Engineering data (WIN 1073)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	160 V AC (rms)
Rated power	518 W
Rated speed	1500 rpm
Rated torque	3.30 Nm
Rated current	2.48 A (rms)
Peak torque	10.5 Nm
Peak current	8.6 A (rms)
Stall torque	3.5 Nm
Stall current	2.38 A (rms)
No load speed	2460 rpm
EMF constant ±10%	89 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.47 Nm / A (rms)
Torque constant ±10% @ rated load	1.33 Nm / A (rms)
Number of poles	10
Electrical time constant	2.88 ms
Winding terminal resistance	8.89 Ω
Rotary field terminal inductance	25.6 mH

Customs info

HS Code	85015100
---------	----------

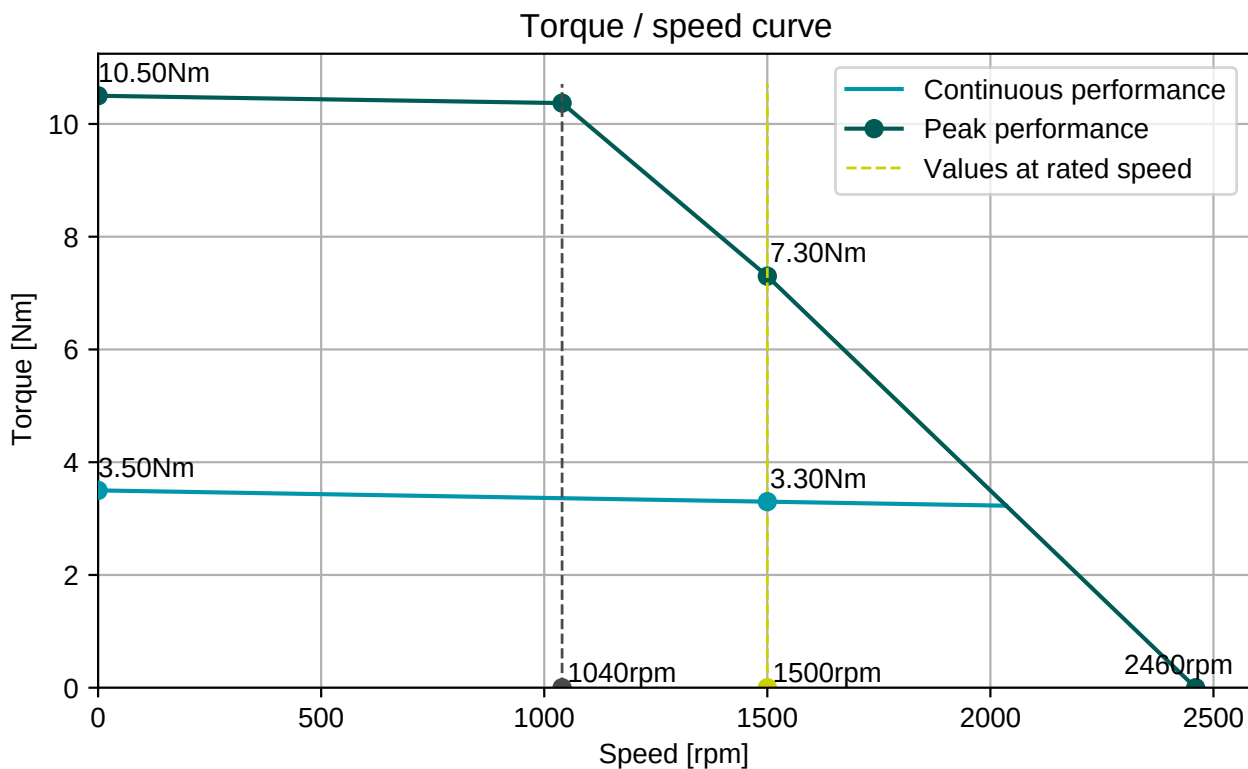
Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	0.74 ms
Thermal time constant	27 min
Rotor inertia	1.04 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2 kg
Max. axial force 20kh	85 N
Max. radial force 20kh	449 N*
Max. axial force 100kh	50 N
Max. radial force 100kh	262 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 18+12 bits, SIL2


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+

