

Engineering data (WIN 834)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	306 V AC (rms)
Rated power	3.1 kW
Rated speed	2000 rpm
Rated torque	14.60 Nm
Rated current	6.83 A (rms)
Peak torque	48 Nm
Peak current	24 A (rms)
Stall torque	16 Nm
Stall current	6.8 A (rms)
No load speed	2670 rpm
EMF constant ±10%	142 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.35 Nm / A (rms)
Torque constant ±10% @ rated load	2.14 Nm / A (rms)
Number of poles	10
Electrical time constant	8.82 ms
Winding terminal resistance	1.87 Ω
Rotary field terminal inductance	16.5 mH

Customs info

HS Code	85015220
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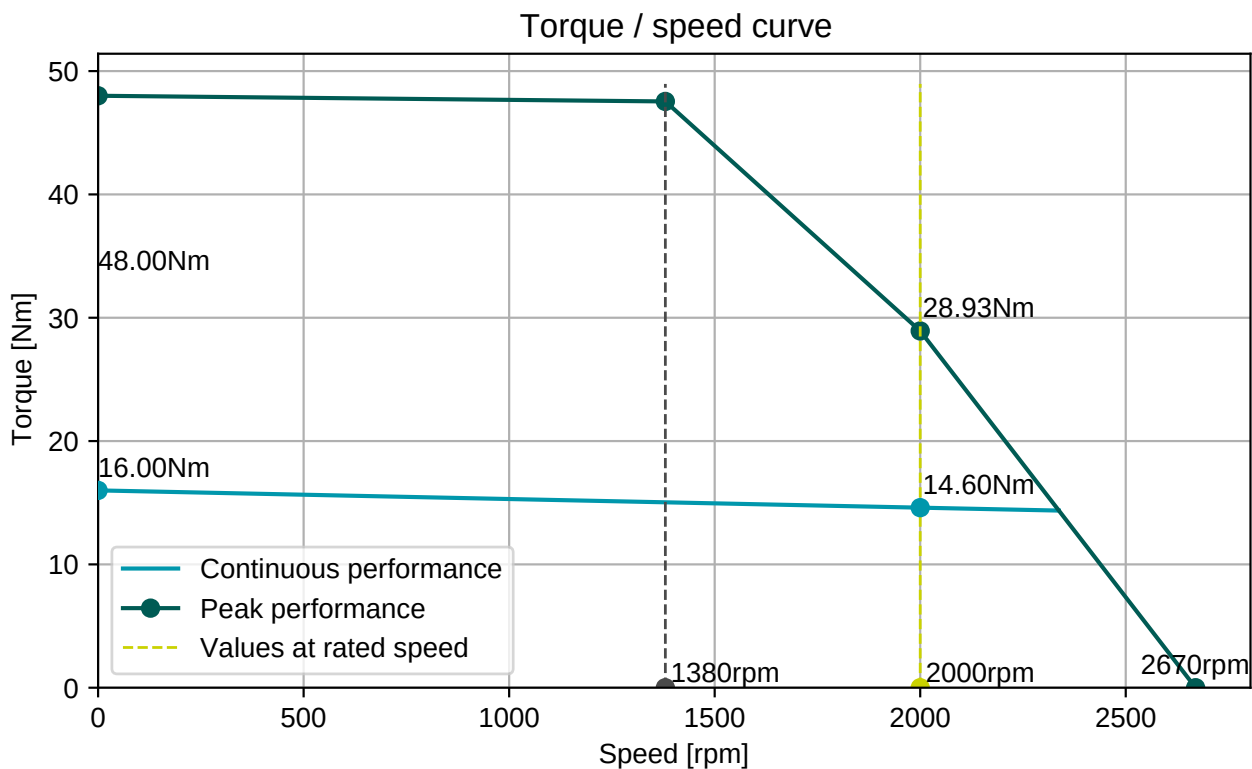
Mechanical data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.68 ms
Thermal time constant	55 min
Rotor inertia	11.5 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	155 N
Max. radial force 20kh	817 N*
Max. axial force 100kh	91 N
Max. radial force 100kh	478 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+

