

Engineering data (WIN 769)

DC bus voltage	36 V DC
Nominal AC voltage	25 V AC (rms)
Rated voltage	19 V AC (rms)
Rated power	146 W
Rated speed	1500 rpm
Rated torque	0.93 Nm
Rated current	7.45 A (rms)
Peak torque	3.06 Nm
Peak current	25.3 A (rms)
Stall torque	0.95 Nm
Stall current	7.3 A (rms)
No load speed	3160 rpm
EMF constant ±10%	7.8 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.13 Nm / A (rms)
Torque constant ±10% @ rated load	0.12 Nm / A (rms)
Number of poles	6
Electrical time constant	1.36 ms
Winding terminal resistance	0.87 Ω
Rotary field terminal inductance	1.18 mH

Customs info

HS Code	85015100
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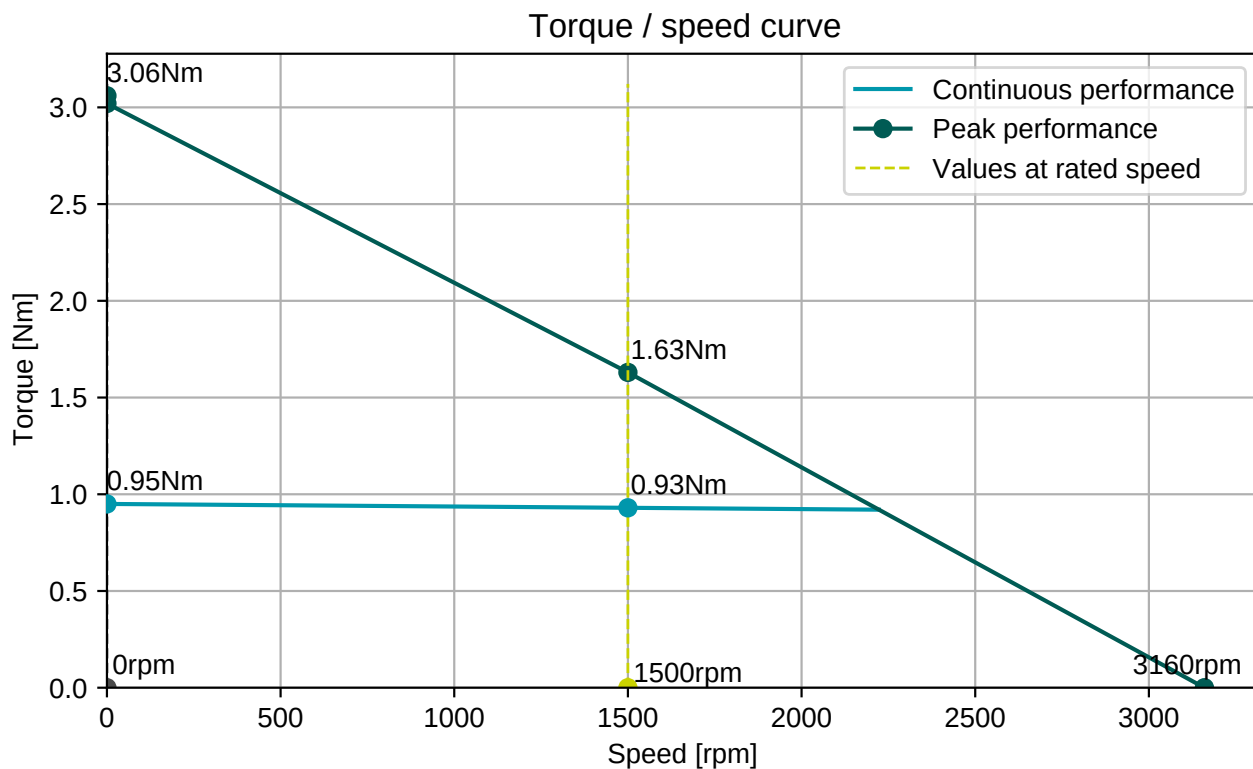
Mechanical data (setting 49)

Max mechanical speed	12000 rpm
Mech. time constant	1.00 ms
Thermal time constant	18 min
Rotor inertia	0.11 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.27 kg
Max. axial force 20kh	61 N
Max. radial force 20kh	320 N*
Max. axial force 100kh	36 N
Max. radial force 100kh	187 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SKS36 (Hiperface) single-turn, 128 sin/cos


BGC110N00001216000

M23, 8 poles, rotary


AGC113N00001215000

M23, 17 poles, rotary


Connector 1 (9)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (130)

1/9	SIN/REFSIN
3/11	COS/REFCOS
5/13	DATA/DATA-
4/2	Us/GND
14/7	Therm

