

Engineering data (WIN 740)

DC bus voltage	24 V DC
Nominal AC voltage	17 V AC (rms)
Rated voltage	11 V AC (rms)
Rated power	82 W
Rated speed	3000 rpm
Rated torque	0.26 Nm
Rated current	8.04 A (rms)
Peak torque	1.04 Nm
Peak current	32.9 A (rms)
Stall torque	0.28 Nm
Stall current	7.9 A (rms)
No load speed	7660 rpm
EMF constant ±10%	2.2 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.04 Nm / A (rms)
Torque constant ±10% @ rated load	0.03 Nm / A (rms)
Number of poles	6
Electrical time constant	0.98 ms
Winding terminal resistance	0.43 Ω
Rotary field terminal inductance	0.42 mH

Customs info

HS Code	85015100
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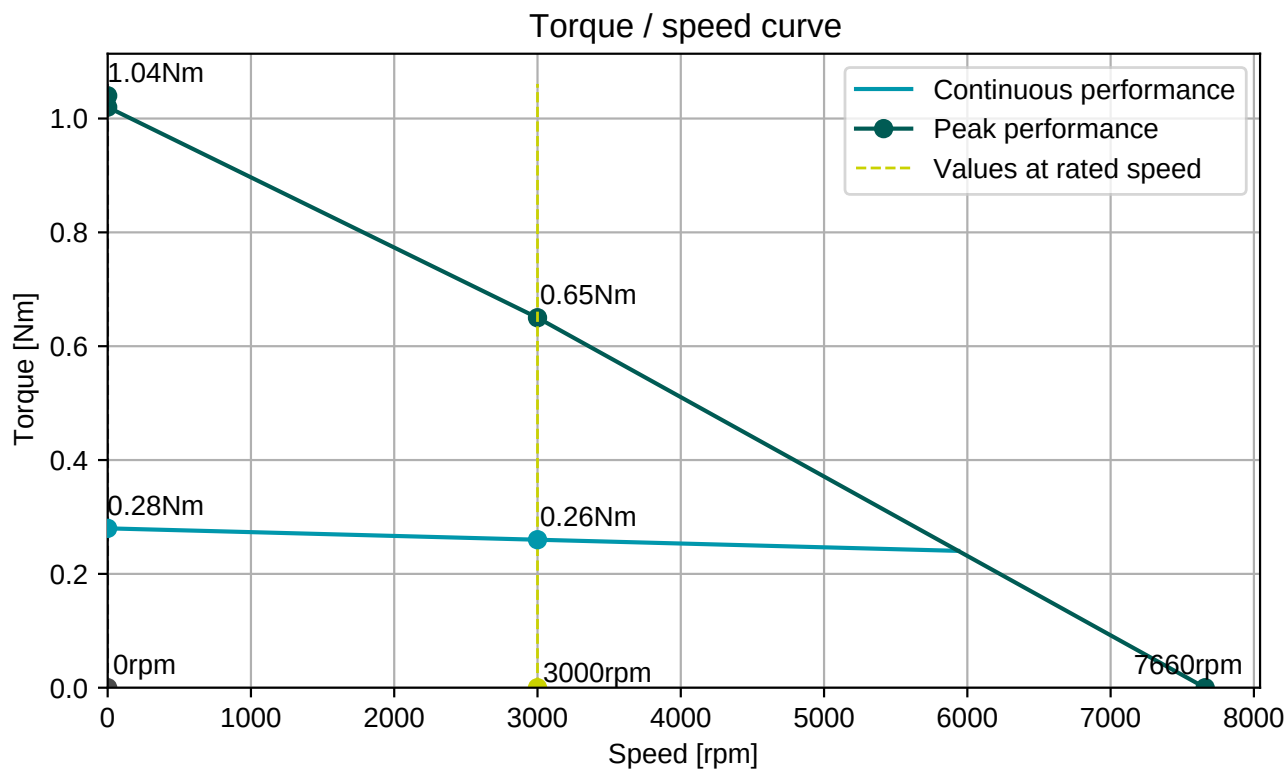
Mechanical data (setting 49)

Max mechanical speed	12000 rpm
Mech. time constant	2.81 ms
Thermal time constant	10 min
Rotor inertia	0.05 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	0.76 kg
Max. axial force 20kh	41 N
Max. radial force 20kh	216 N*
Max. axial force 100kh	24 N
Max. radial force 100kh	126 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits


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

