

Engineering data (WIN 709)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	276 V AC (rms)
Rated power	1.3 kW
Rated speed	3000 rpm
Rated torque	4.20 Nm
Rated current	3.94 A (rms)
Peak torque	15.3 Nm
Peak current	17.4 A (rms)
Stall torque	5.1 Nm
Stall current	3.81 A (rms)
No load speed	4650 rpm
EMF constant ±10%	81 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.34 Nm / A (rms)
Torque constant ±10% @ rated load	1.07 Nm / A (rms)
Number of poles	10
Electrical time constant	5.45 ms
Winding terminal resistance	3.98 Ω
Rotary field terminal inductance	21.7 mH

Customs info

HS Code	85015220
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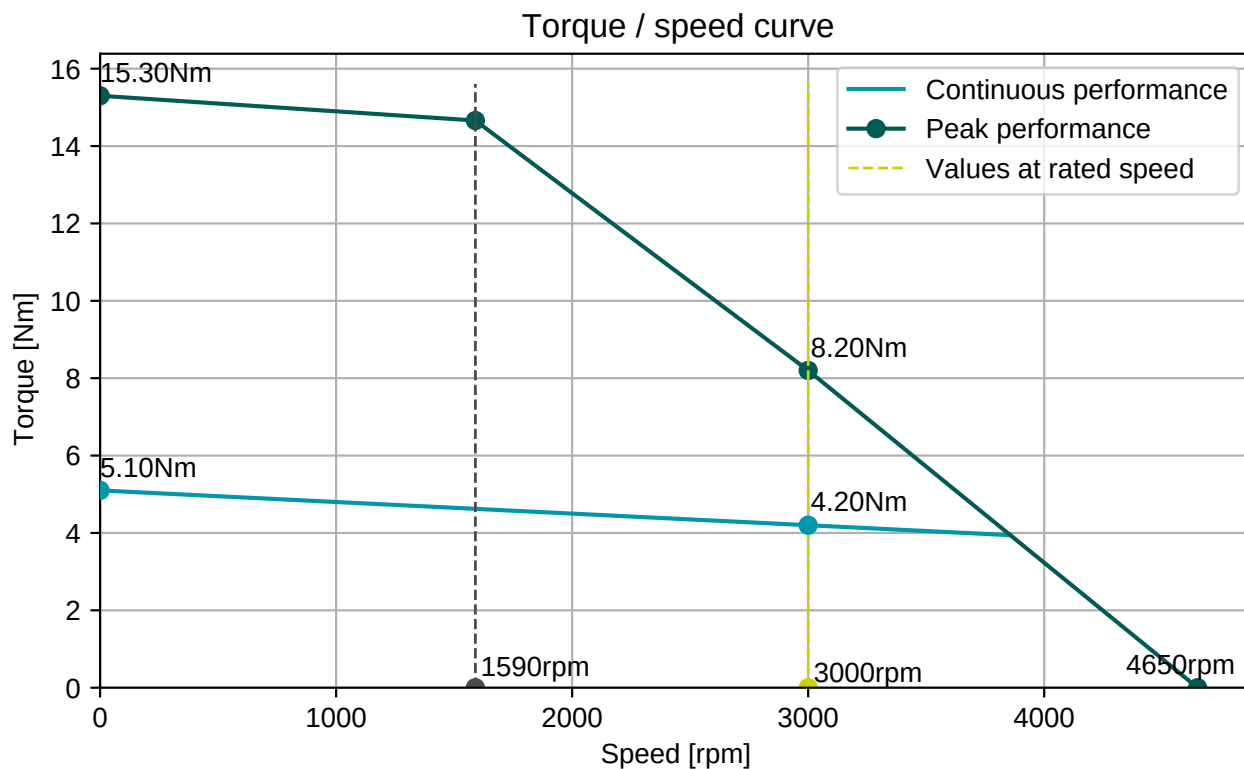
Mechanical data (setting 46)

Max mechanical speed	9000 rpm
Mech. time constant	0.78 ms
Thermal time constant	25 min
Rotor inertia	2.04 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	3.8 kg
Max. axial force 20kh	113 N
Max. radial force 20kh	595 N*
Max. axial force 100kh	66 N
Max. radial force 100kh	348 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

