

Engineering data (WIN 729)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	291 V AC (rms)
Rated power	3.3 kW
Rated speed	3000 rpm
Rated torque	10.50 Nm
Rated current	8.25 A (rms)
Peak torque	36 Nm
Peak current	29.4 A (rms)
Stall torque	12 Nm
Stall current	8 A (rms)
No load speed	4170 rpm
EMF constant ±10%	91 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.51 Nm / A (rms)
Torque constant ±10% @ rated load	1.27 Nm / A (rms)
Number of poles	10
Electrical time constant	8.20 ms
Winding terminal resistance	1.33 Ω
Rotary field terminal inductance	10.9 mH

Customs info

HS Code	85015220
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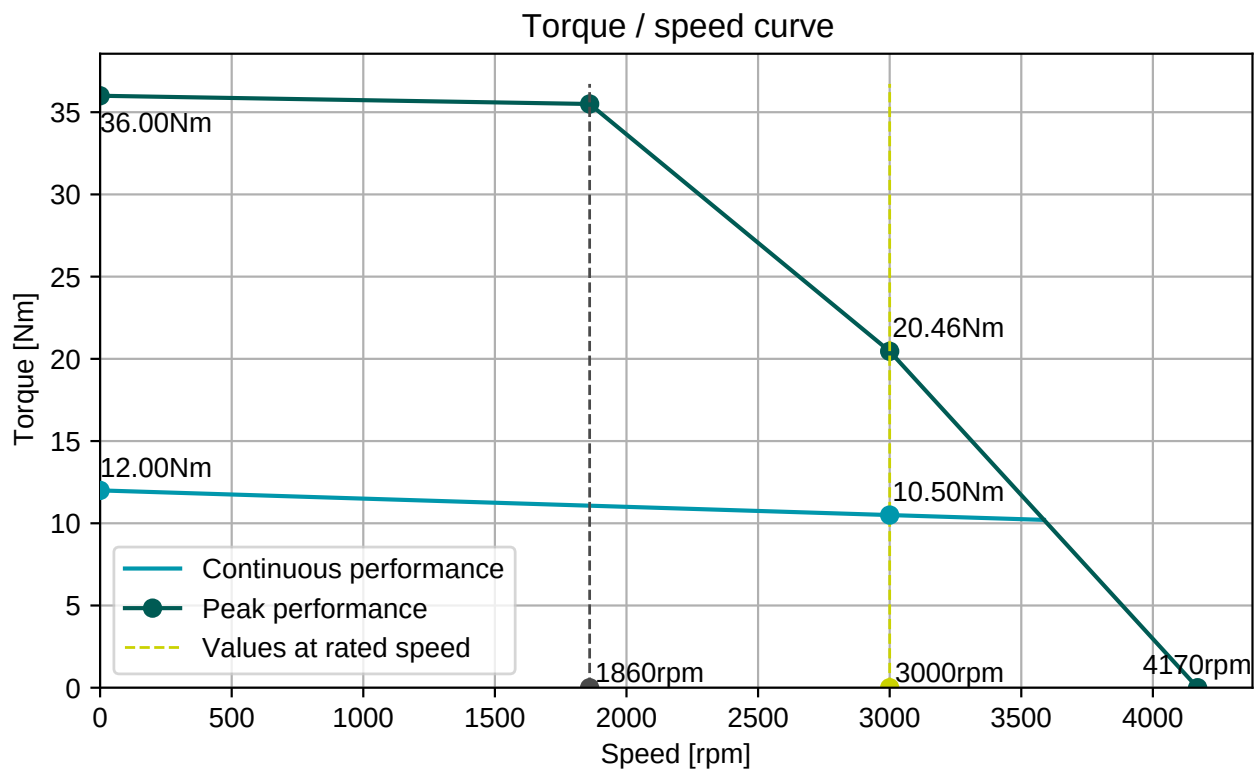
Mechanical data (setting 16)

Max mechanical speed	9000 rpm
Mech. time constant	0.80 ms
Thermal time constant	45 min
Rotor inertia	7.9 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	7.5 kg
Max. axial force 20kh	126 N
Max. radial force 20kh	665 N*
Max. axial force 100kh	74 N
Max. radial force 100kh	389 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SRM50 (Hiperface) multi-turn, 1024 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

