

Engineering data (WIN 843)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	318 V AC (rms)
Rated power	518 W
Rated speed	1500 rpm
Rated torque	3.30 Nm
Rated current	1.25 A (rms)
Peak torque	10.5 Nm
Peak current	4.3 A (rms)
Stall torque	3.5 Nm
Stall current	1.2 A (rms)
No load speed	2140 rpm
EMF constant ±10%	177 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.93 Nm / A (rms)
Torque constant ±10% @ rated load	2.64 Nm / A (rms)
Number of poles	10
Electrical time constant	2.85 ms
Winding terminal resistance	35.38 Ω
Rotary field terminal inductance	100.9 mH

Customs info

HS Code	85015100
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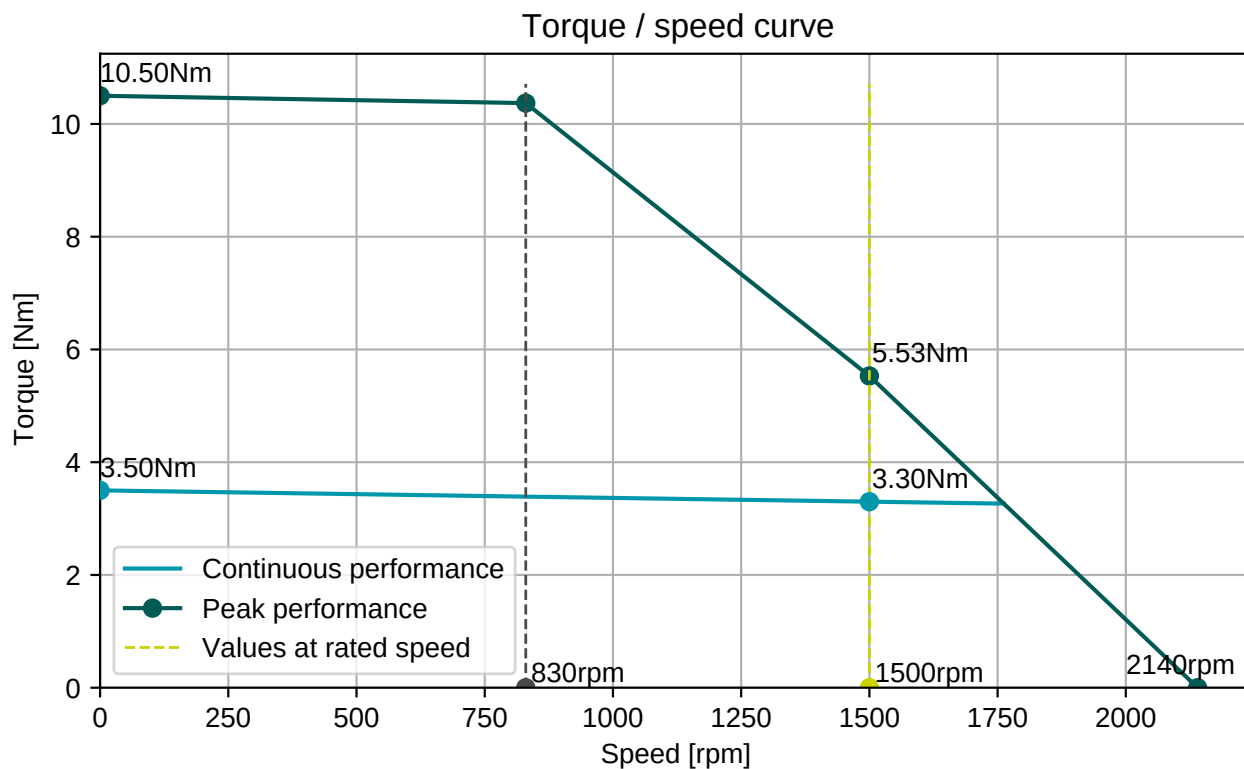
Mechanical data (setting 31)

Max mechanical speed	12000 rpm
Mech. time constant	0.74 ms
Thermal time constant	27 min
Rotor inertia	1.04 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	94 N
Max. radial force 20kh	495 N*
Max. axial force 100kh	55 N
Max. radial force 100kh	290 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)


BGC110N00001216000

M23, 8 poles, rotary


AGC052N00001215000

M23, 12 poles, rotary


Connector 1 (1)

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

Connector 2 (2)

4	S1
8	S3
3	S4
7	S2
5	R2
9	R1

