

Engineering data (WIN 1497)

DC bus voltage	24 V DC
Nominal AC voltage	17 V AC (rms)
Rated voltage	16 V AC (rms)
Rated power	138 W
Rated speed	12000 rpm
Rated torque	0.11 Nm
Rated current	7.96 A (rms)
Peak torque	1.12 Nm
Peak current	66.6 A (rms)
Stall torque	0.28 Nm
Stall current	14.5 A (rms)
No load speed	14170 rpm
EMF constant ±10%	1.17 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.019 Nm / A (rms)
Torque constant ±10% @ rated load	0.014 Nm / A (rms)
Number of poles	6
Electrical time constant	1.09 ms
Winding terminal resistance	0.119 Ω
Rotary field terminal inductance	0.13 mH

Customs info

HS Code	85015100
---------	----------

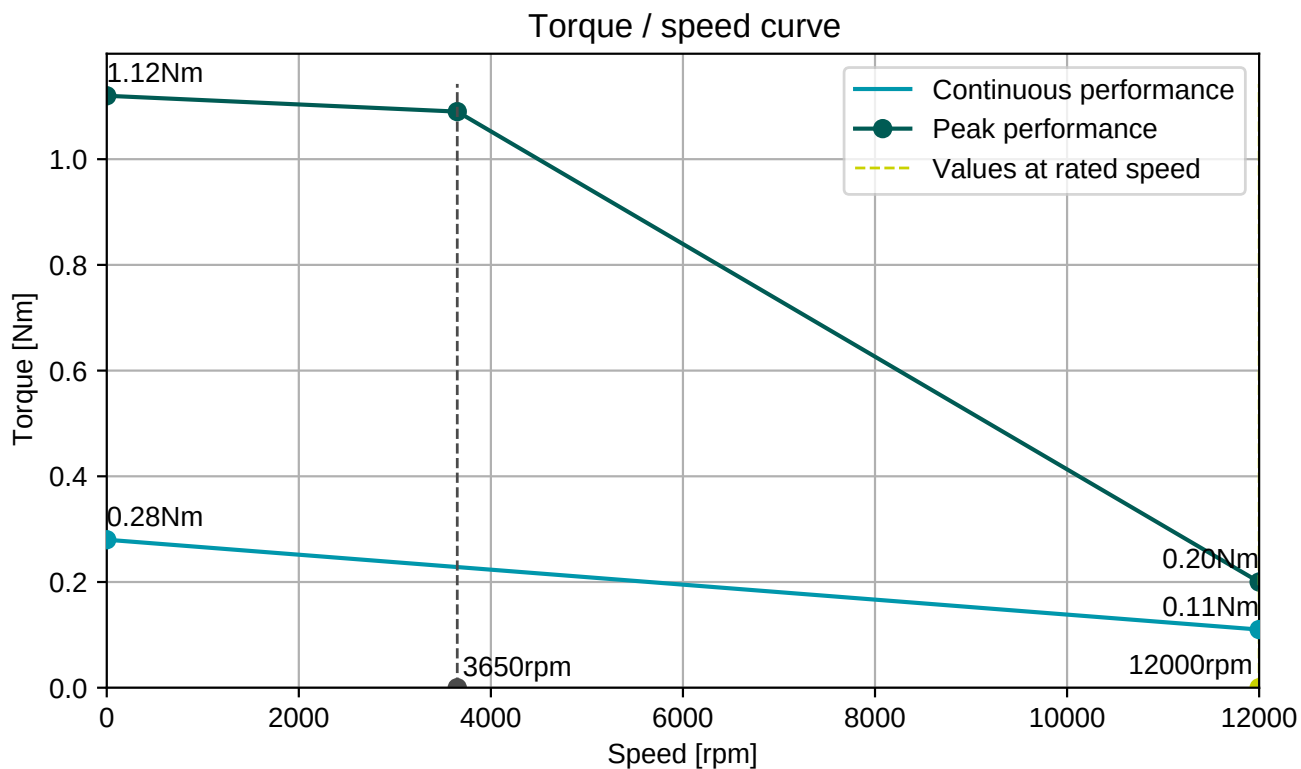
Mechanical data (setting 5)

Max mechanical speed	12000 rpm
Mech. time constant	2.75 ms
Thermal time constant	10 min
Rotor inertia	0.05 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	26 N
Max. radial force 20kh	136 N*
Max. axial force 100kh	15 N
Max. radial force 100kh	80 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 (9)

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

Connector 2 (10)

2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1

