

Engineering data (WIN 977)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	185 V AC (rms)
Rated power	6.3 kW
Rated speed	3000 rpm
Rated torque	20.00 Nm
Rated current	22.97 A (rms)
Peak torque	72 Nm
Peak current	76.6 A (rms)
Stall torque	24 Nm
Stall current	22.3 A (rms)
No load speed	3380 rpm
EMF constant ±10%	65 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.08 Nm / A (rms)
Torque constant ±10% @ rated load	0.87 Nm / A (rms)
Number of poles	10
Electrical time constant	9.09 ms
Winding terminal resistance	0.22 Ω
Rotary field terminal inductance	2 mH

Customs info

HS Code	85015220
---------	----------

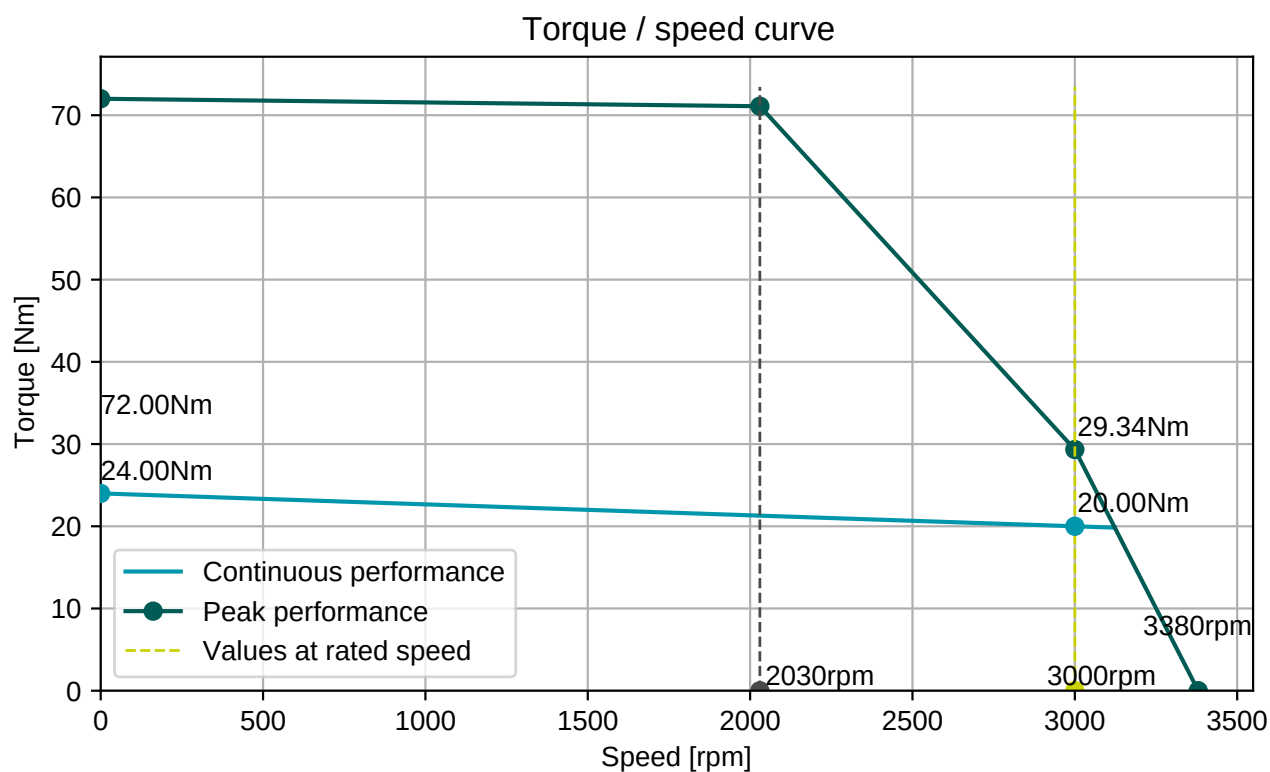
Mechanical data (setting 5)

Max mechanical speed	9000 rpm
Mech. time constant	0.62 ms
Thermal time constant	75 min
Rotor inertia	18.7 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	13.5 kg
Max. axial force 20kh	146 N
Max. radial force 20kh	770 N*
Max. axial force 100kh	86 N
Max. radial force 100kh	450 N*

* Defined for point of action at ½ output shaft length

Sensors

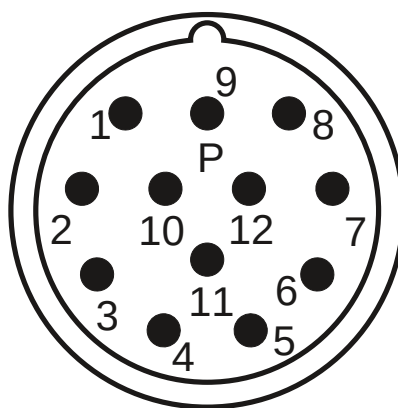
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)


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

