

Engineering data (WIN 704)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	153 V AC (rms)
Rated power	597 W
Rated speed	3000 rpm
Rated torque	1.90 Nm
Rated current	3.06 A (rms)
Peak torque	6.15 Nm
Peak current	12.7 A (rms)
Stall torque	2.05 Nm
Stall current	2.79 A (rms)
No load speed	4920 rpm
EMF constant ±10%	44.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.74 Nm / A (rms)
Torque constant ±10% @ rated load	0.62 Nm / A (rms)
Number of poles	10
Electrical time constant	2.53 ms
Winding terminal resistance	5.26 Ω
Rotary field terminal inductance	13.3 mH

Customs info

HS Code	85015100
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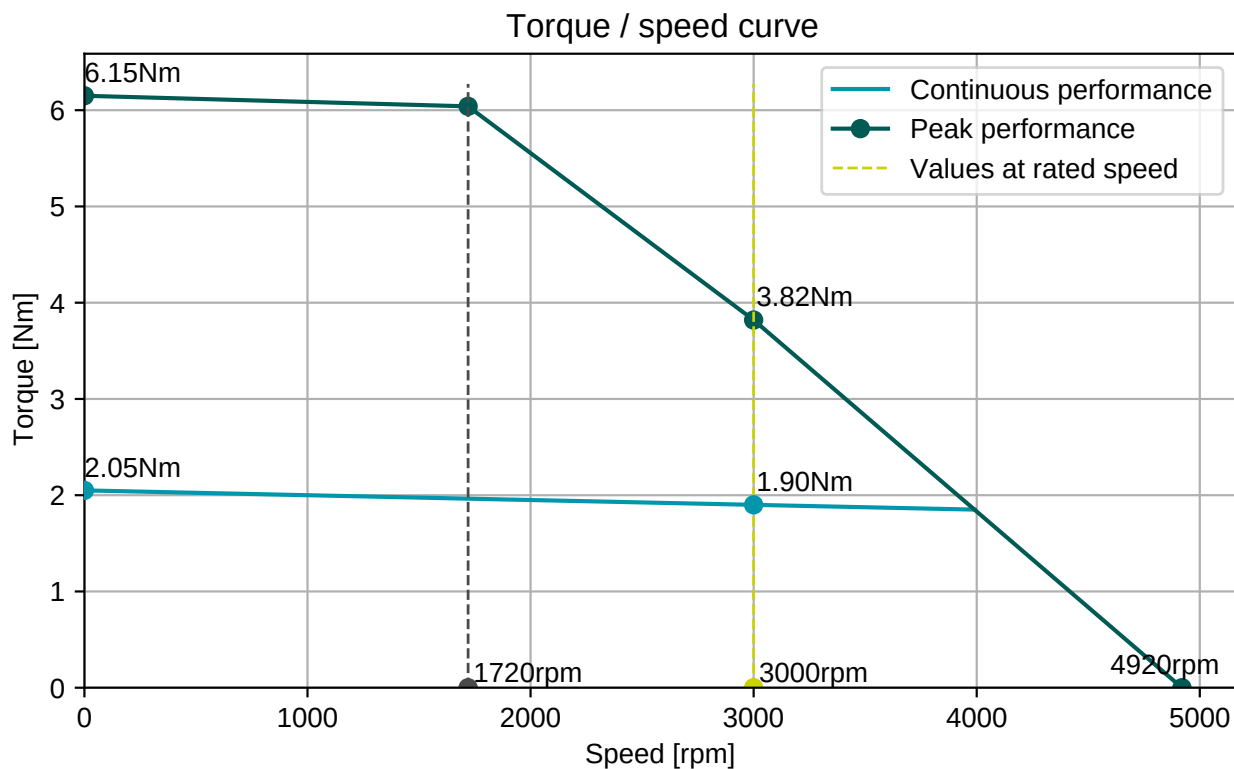
Mechanical data (setting 29)

Max mechanical speed	12000 rpm
Mech. time constant	0.92 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2 kg
Max. axial force 20kh	62 N
Max. radial force 20kh	327 N*
Max. axial force 100kh	36 N
Max. radial force 100kh	191 N*

* Defined for point of action at ½ output shaft length

Sensors

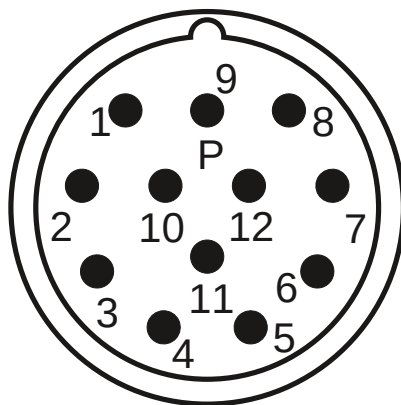
Temperature	PT1000 {PT1000}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits


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 (293)

1	Vcc (+5V)
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-
9	Vcc sensor
10	GND sensor

