

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 46)

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	2.5 kg
Max. axial force 20kh	64 N
Max. radial force 20kh	335 N*
Max. axial force 100kh	37 N
Max. radial force 100kh	196 N*

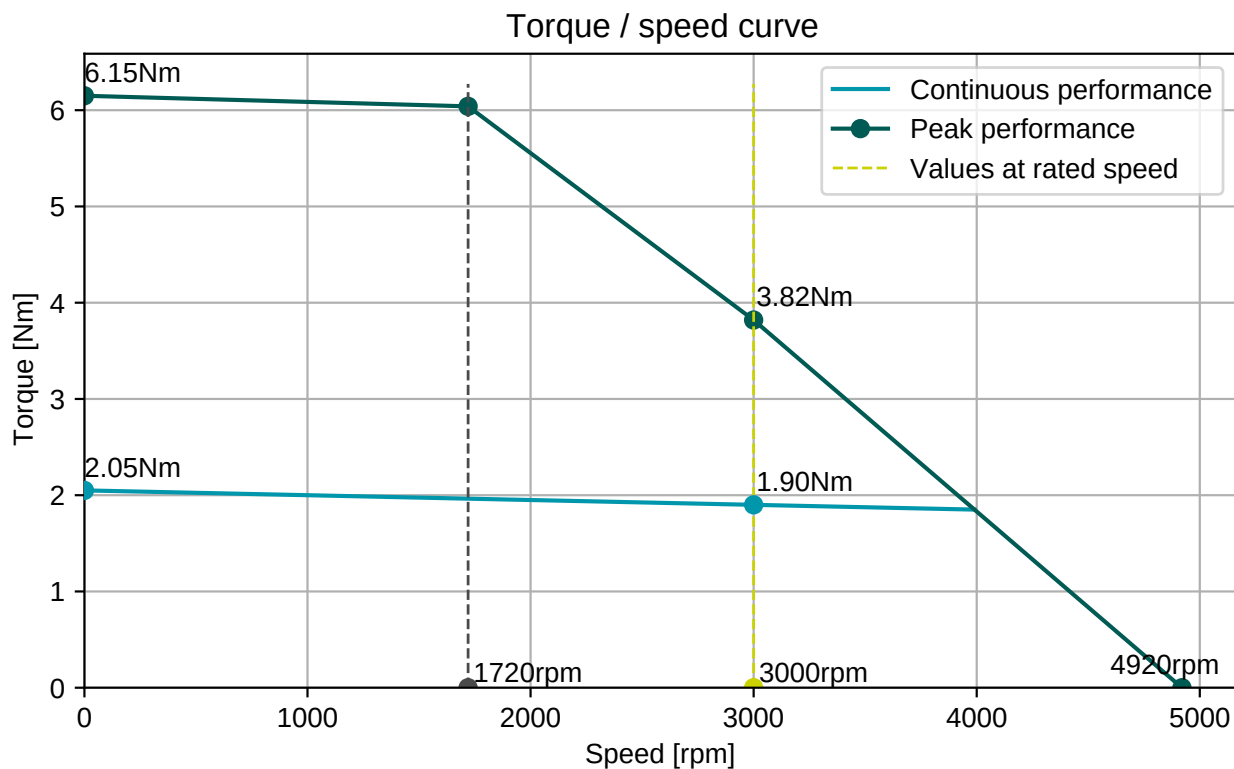
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits

Brake

Braking torque	4.50 Nm
Voltage	24 V DC
Power @20°C	12.0 W
Current @20°C	0.50 A
Inertia	0.20 kgcm ²
Mass	0.47 kg


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

