

Engineering data (WIN 954)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	310 V AC (rms)
Rated power	1.2 kW
Rated speed	3000 rpm
Rated torque	3.70 Nm
Rated current	2.6 A (rms)
Peak torque	14.4 Nm
Peak current	10.1 A (rms)
Stall torque	4.8 Nm
Stall current	2.82 A (rms)
No load speed	3680 rpm
EMF constant ±10%	103 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.7 Nm / A (rms)
Torque constant ±10% @ rated load	1.4 Nm / A (rms)
Number of poles	10
Electrical time constant	3.01 ms
Winding terminal resistance	7.53 Ω
Rotary field terminal inductance	22.7 mH

Customs info

HS Code	85015220
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Mechanical data (setting 29)

Max mechanical speed	12000 rpm
Mech. time constant	0.68 ms
Thermal time constant	30 min
Rotor inertia	1.52 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	4.3 kg
Max. axial force 20kh	75 N
Max. radial force 20kh	393 N*
Max. axial force 100kh	44 N
Max. radial force 100kh	230 N*

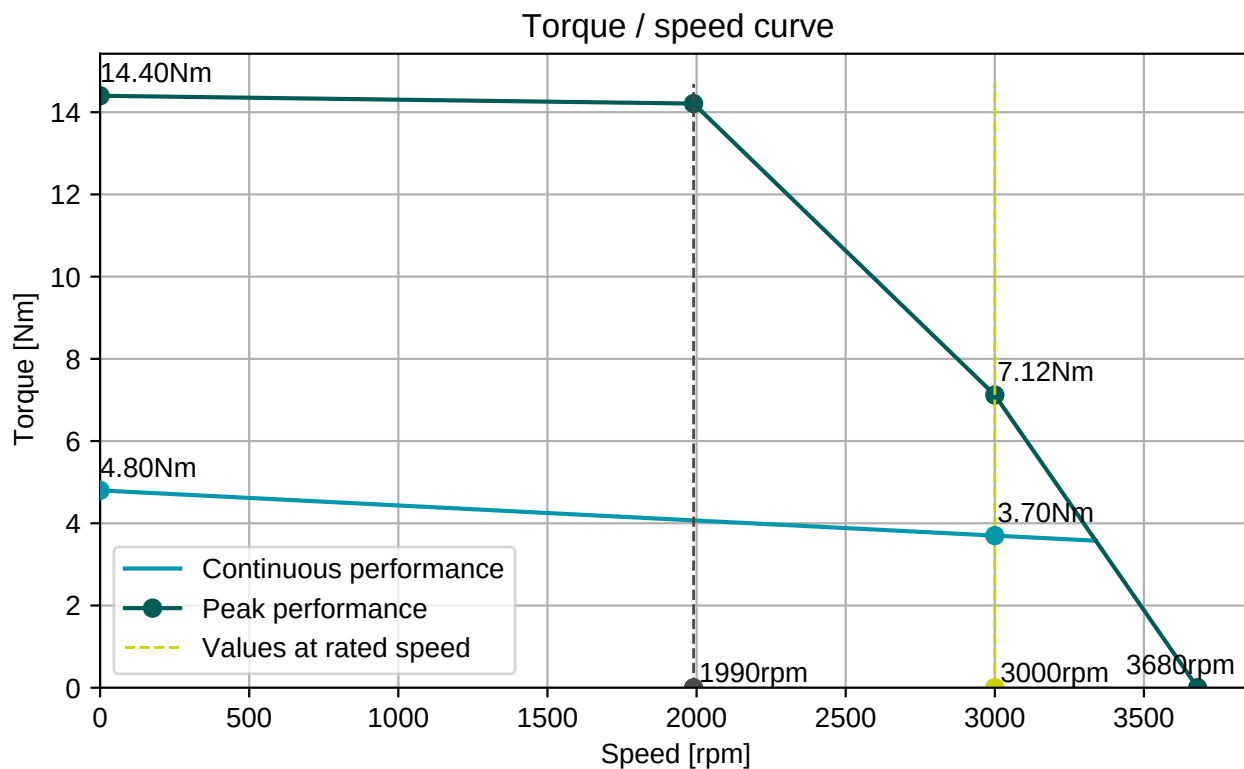
* Defined for point of action at ½ output shaft length

Sensors

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

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


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

