

Engineering data (WIN 960)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	154 V AC (rms)
Rated power	518 W
Rated speed	4500 rpm
Rated torque	1.10 Nm
Rated current	2.94 A (rms)
Peak torque	3.45 Nm
Peak current	11.1 A (rms)
Stall torque	1.15 Nm
Stall current	2.53 A (rms)
No load speed	7940 rpm
EMF constant ±10%	27.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.45 Nm / A (rms)
Torque constant ±10% @ rated load	0.37 Nm / A (rms)
Number of poles	10
Electrical time constant	2.23 ms
Winding terminal resistance	5.37 Ω
Rotary field terminal inductance	12 mH

Customs info

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

Mechanical data (setting 46)

Max mechanical speed	12000 rpm
Mech. time constant	1.39 ms
Thermal time constant	21 min
Rotor inertia	0.31 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2 kg
Max. axial force 20kh	50 N
Max. radial force 20kh	261 N*
Max. axial force 100kh	29 N
Max. radial force 100kh	153 N*

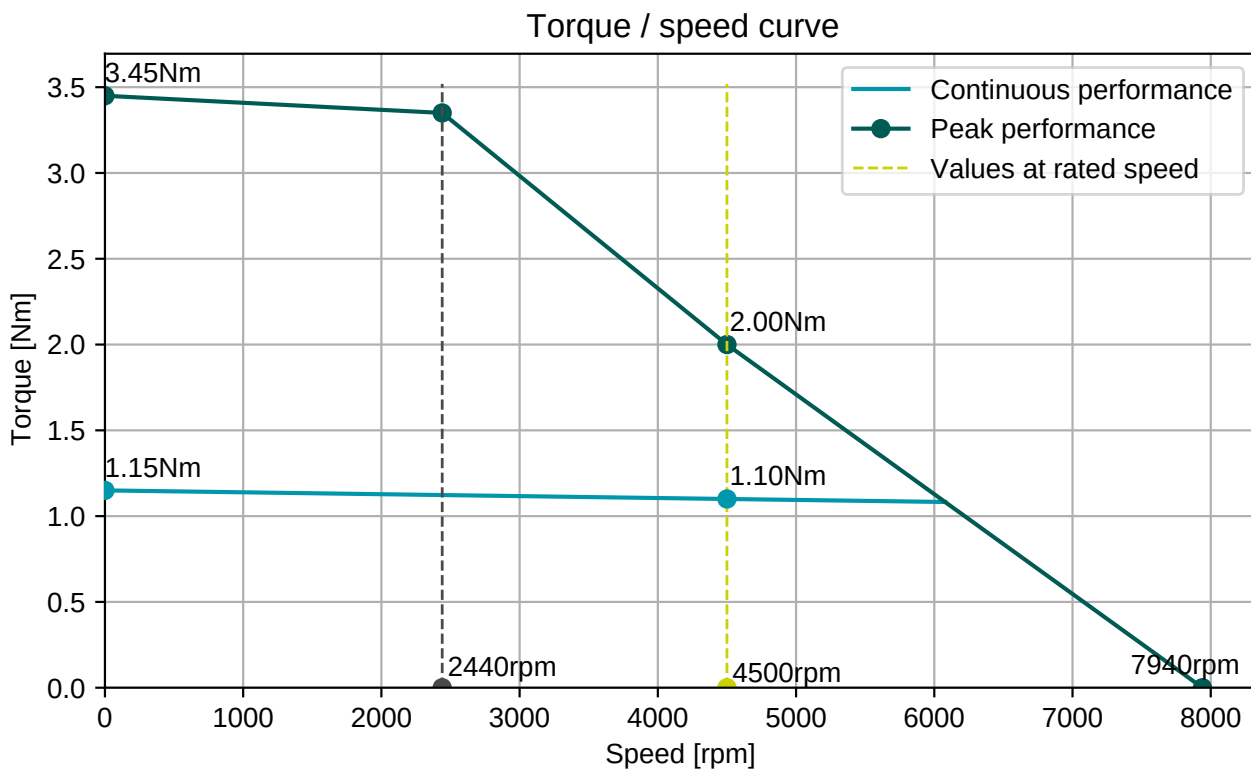
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SKS36 (Hiperface) single-turn, 128 sin/cos

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



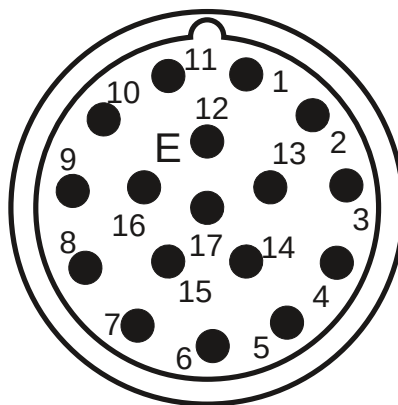
BGC110N00001216000

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

