

Engineering data (WIN 778)

DC bus voltage	36 V DC
Nominal AC voltage	23 V AC (rms)
Rated voltage	16 V AC (rms)
Rated power	181 W
Rated speed	1500 rpm
Rated torque	1.15 Nm
Rated current	11.25 A (rms)
Peak torque	3.45 Nm
Peak current	44.2 A (rms)
Stall torque	1.15 Nm
Stall current	10 A (rms)
No load speed	3270 rpm
EMF constant ±10%	6.9 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.11 Nm / A (rms)
Torque constant ±10% @ rated load	0.10 Nm / A (rms)
Number of poles	10
Electrical time constant	2.21 ms
Winding terminal resistance	0.34 Ω
Rotary field terminal inductance	0.75 mH

Customs info

HS Code	85015100
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Mechanical data (setting 29)

Max mechanical speed	12000 rpm
Mech. time constant	1.40 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	72 N
Max. radial force 20kh	377 N*
Max. axial force 100kh	42 N
Max. radial force 100kh	220 N*

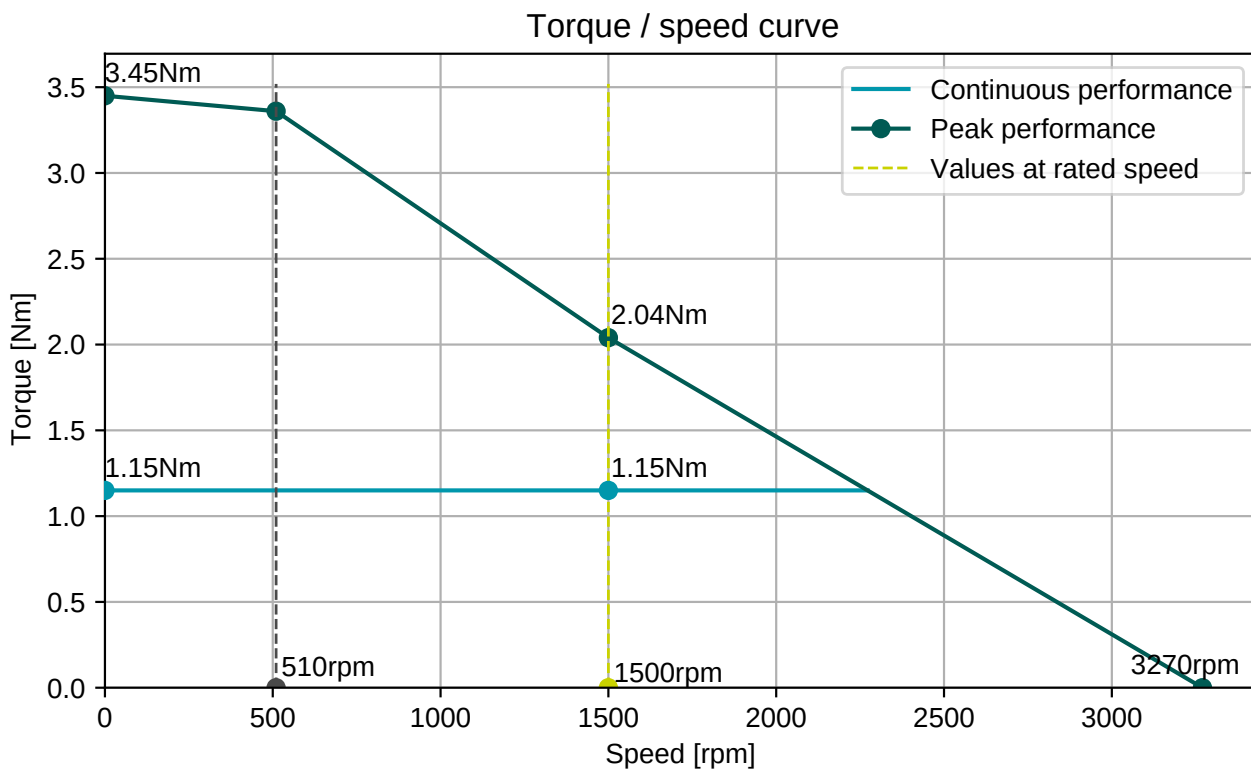
* Defined for point of action at ½ output shaft length

Sensors

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

Brake

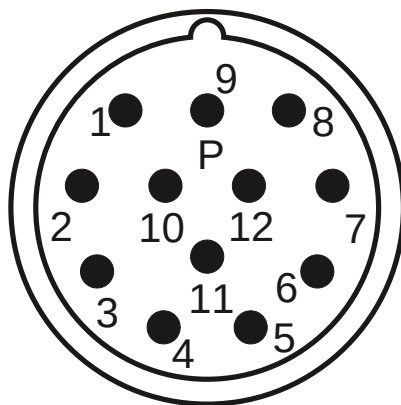
Braking torque	4.50 Nm
Voltage	24 V DC
Power @20°C	12.0 W
Current @20°C	0.50 A
Inertia	0.20 kgcm ²
Mass	0.47 kg


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

