

Engineering data (WIN 1581)

DC bus voltage	48 V DC
Nominal AC voltage	33 V AC (rms)
Rated voltage	29 V AC (rms)
Rated power	1.4 kW
Rated speed	1200 rpm
Rated torque	11.50 Nm
Rated current	37.09 A (rms)
Peak torque	36 Nm
Peak current	130.6 A (rms)
Stall torque	12 Nm
Stall current	35.4 A (rms)
No load speed	1600 rpm
EMF constant ±10%	20.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.339 Nm / A (rms)
Torque constant ±10% @ rated load	0.310 Nm / A (rms)
Number of poles	10
Electrical time constant	8.06 ms
Winding terminal resistance	0.067 Ω
Rotary field terminal inductance	0.54 mH

Customs info

HS Code	85015220
---------	----------

Mechanical data (setting 5)

Max mechanical speed	9000 rpm
Mech. time constant	0.80 ms
Thermal time constant	45 min
Rotor inertia	7.9 kgcm ²
Protection	IP65
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	176 N
Max. radial force 20kh	924 N*
Max. axial force 100kh	103 N
Max. radial force 100kh	540 N*

* Defined for point of action at ½ output shaft length

Sensors

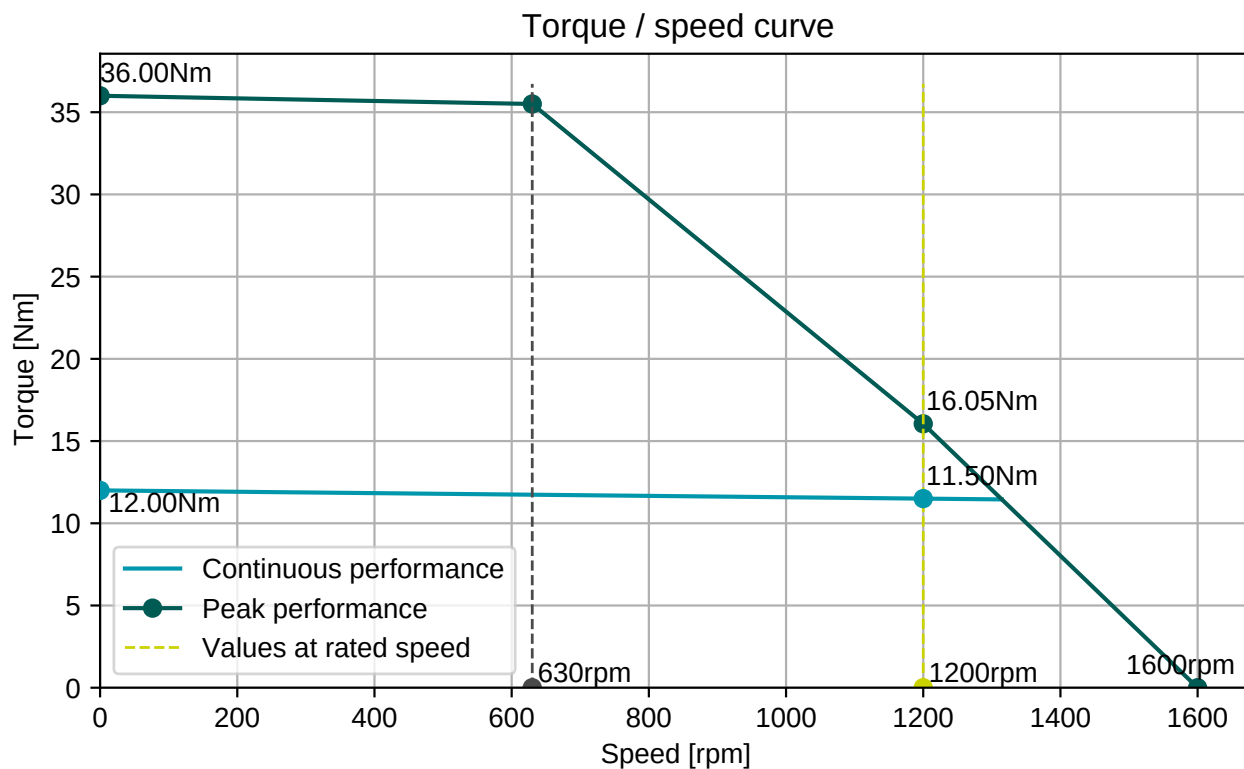
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

Brake

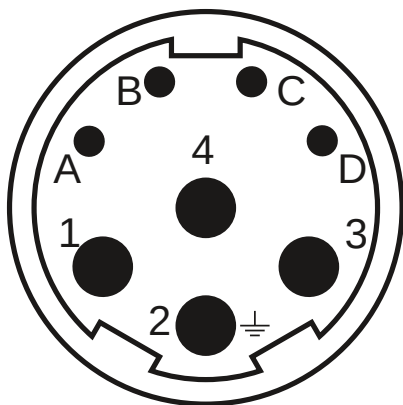
Braking torque	18.00 Nm
Voltage	24 V DC
Power @20°C	24.0 W
Current @20°C	1.00 A
Inertia	2.00 kgcm ²
Mass	1.80 kg

Note

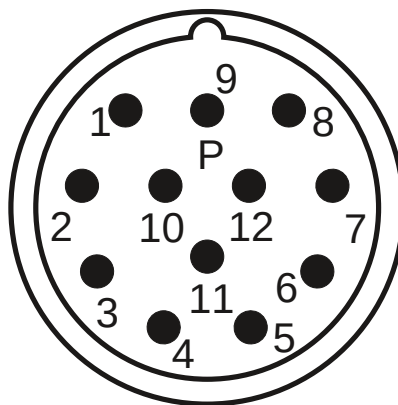
The winding of the motor has rated current 37.09 A. Power connector is rated only for 30 A. The motor can be operated only with continuous current limited to 30 A in servoamplifier. Otherwise the power connector could be burned.


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 (10)

2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1

