

Engineering data (WIN 1367)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	180 V AC (rms)
Rated power	1.6 kW
Rated speed	1000 rpm
Rated torque	15.30 Nm
Rated current	6.33 A (rms)
Peak torque	48 Nm
Peak current	22 A (rms)
Stall torque	16 Nm
Stall current	6.2 A (rms)
No load speed	1420 rpm
EMF constant ±10%	155 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.56 Nm / A (rms)
Torque constant ±10% @ rated load	2.42 Nm / A (rms)
Number of poles	10
Electrical time constant	8.59 ms
Winding terminal resistance	2.27 Ω
Rotary field terminal inductance	19.5 mH

Customs info

HS Code	85015220
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Mechanical data (setting 5)

Max mechanical speed	9000 rpm
Mech. time constant	0.69 ms
Thermal time constant	55 min
Rotor inertia	11.5 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	198 N
Max. radial force 20kh	1044 N*
Max. axial force 100kh	116 N
Max. radial force 100kh	611 N*

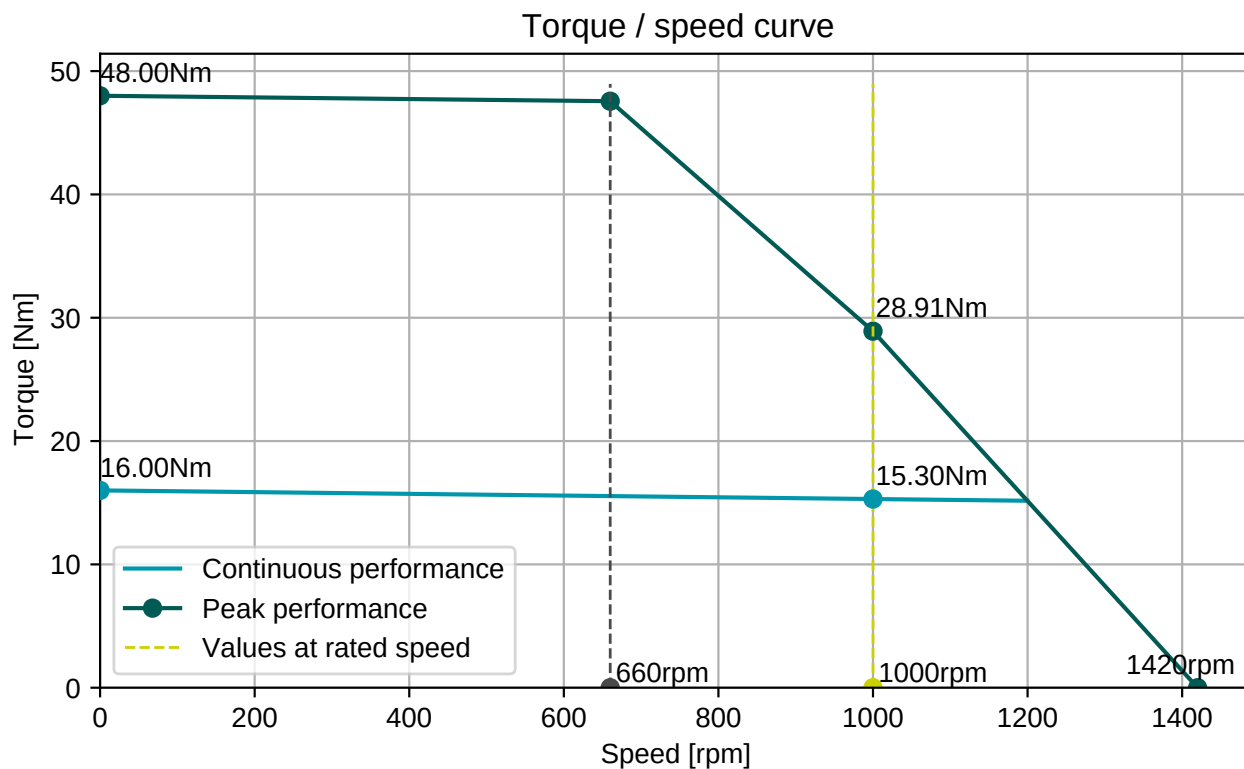
* Defined for point of action at ½ output shaft length

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


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

