

Engineering data (WIN 689)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	135 V AC (rms)
Rated power	635 W
Rated speed	6000 rpm
Rated torque	1.01 Nm
Rated current	3.99 A (rms)
Peak torque	3.45 Nm
Peak current	16.3 A (rms)
Stall torque	1.15 Nm
Stall current	3.57 A (rms)
No load speed	11210 rpm
EMF constant ±10%	19 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.32 Nm / A (rms)
Torque constant ±10% @ rated load	0.25 Nm / A (rms)
Number of poles	10
Electrical time constant	2.24 ms
Winding terminal resistance	2.68 Ω
Rotary field terminal inductance	6 mH

Customs info

HS Code	85015100
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Mechanical data (setting 5)

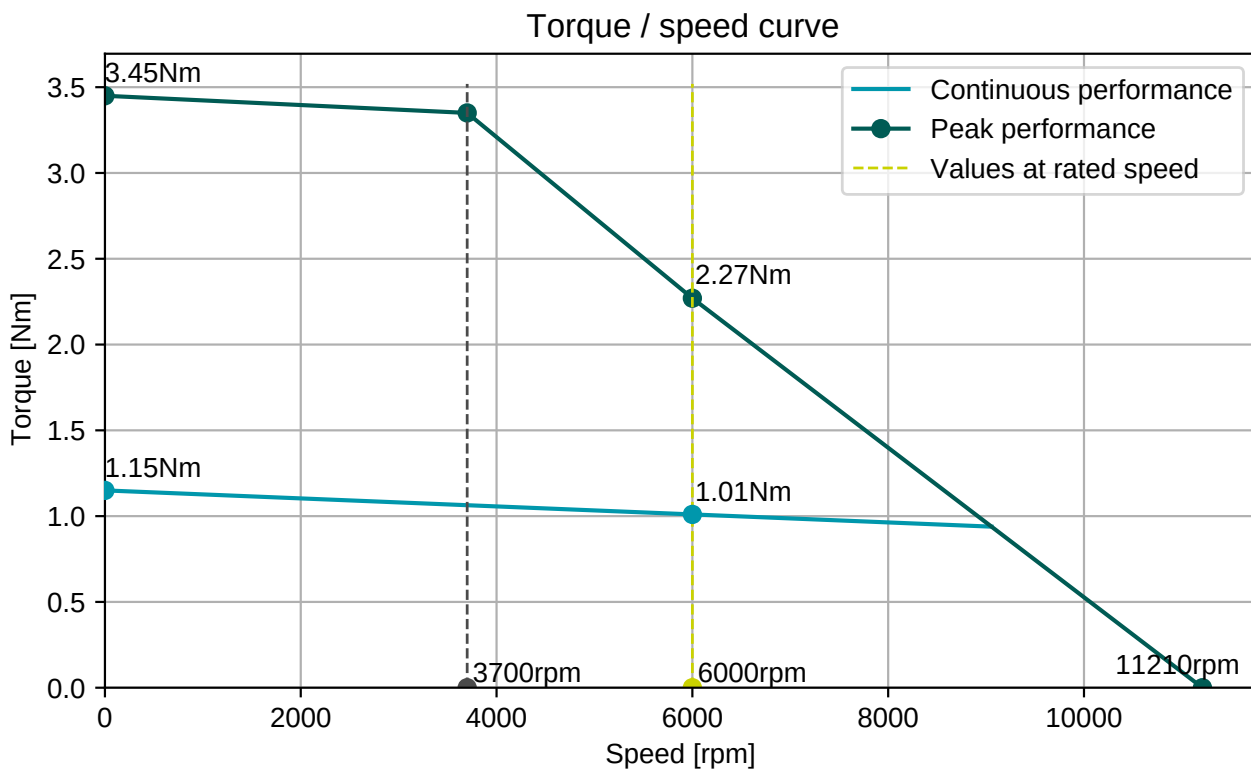
Max mechanical speed	12000 rpm
Mech. time constant	1.46 ms
Thermal time constant	21 min
Rotor inertia	0.31 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection

Sensors

Temperature	PTC 111-K13 {PTC 111-K13 Reissmann}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

Brake

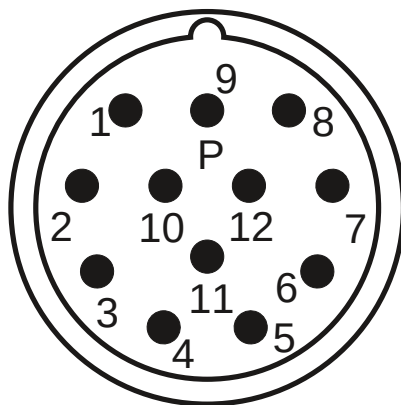
Braking torque	4.50 Nm
Voltage	24 V DC
Power @20°C	12.0 W
Current @20°C	0.50 A
Inertia	0.20 kgcm ²
Mass	0.47 kg


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 (10)

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

