

Engineering data (WIN 1166)

DC bus voltage	48 V DC
Nominal AC voltage	34 V AC (rms)
Rated voltage	25 V AC (rms)
Rated power	355 W
Rated speed	3000 rpm
Rated torque	1.13 Nm
Rated current	12.9 A (rms)
Peak torque	3.45 Nm
Peak current	49.6 A (rms)
Stall torque	1.15 Nm
Stall current	11.3 A (rms)
No load speed	5450 rpm
EMF constant ±10%	6.2 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.1 Nm / A (rms)
Torque constant ±10% @ rated load	0.1 Nm / A (rms)
Number of poles	10
Electrical time constant	2.22 ms
Winding terminal resistance	0.27 Ω
Rotary field terminal inductance	0.6 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

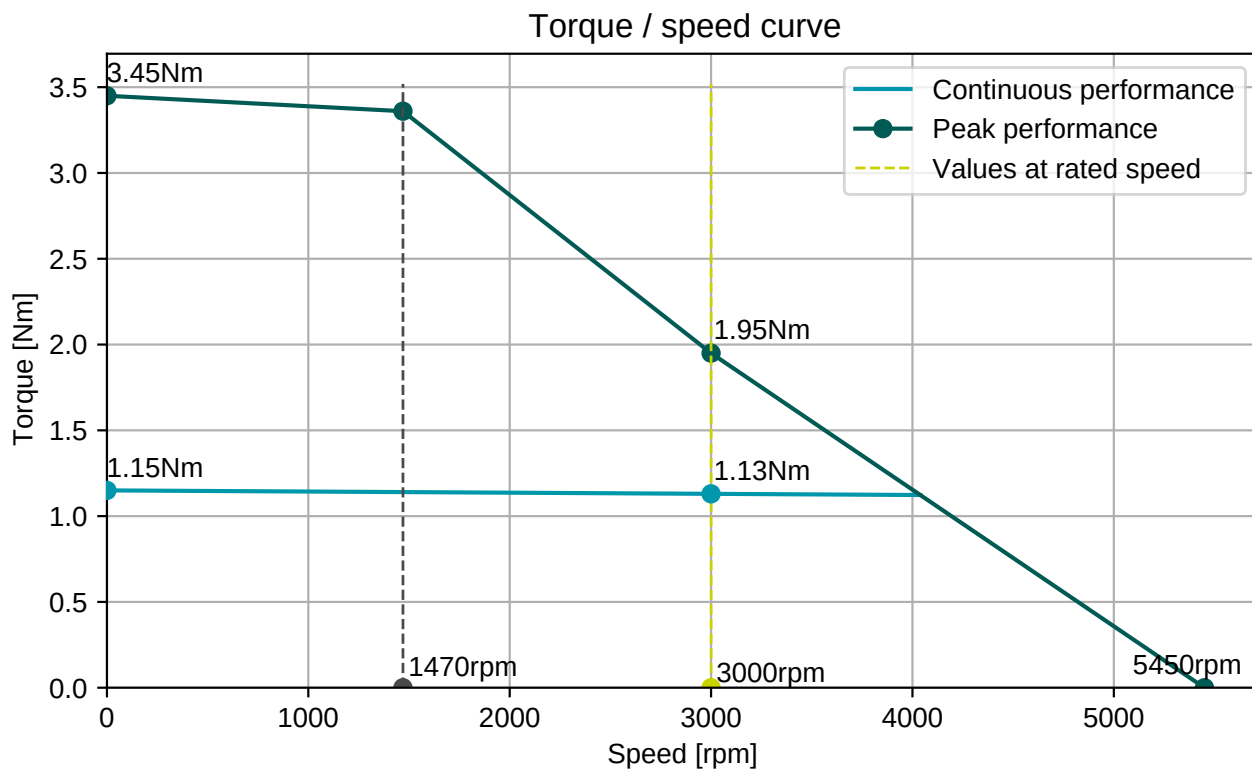
Max mechanical speed	12000 rpm
Mech. time constant	1.38 ms
Thermal time constant	21 min
Rotor inertia	0.31 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 17 bits

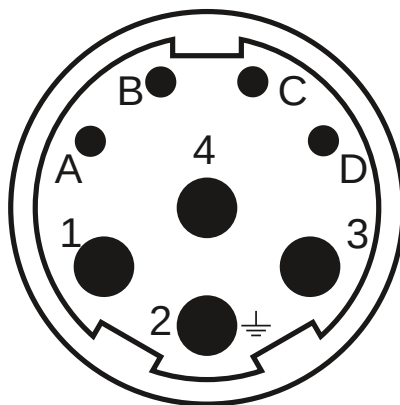
Brake

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



Connector 1 (283)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+

