

Engineering data (WIN 1557)

DC bus voltage	48 V DC
Nominal AC voltage	33 V AC (rms)
Rated voltage	27 V AC (rms)
Rated power	911 W
Rated speed	3000 rpm
Rated torque	2.90 Nm
Rated current	24.07 A (rms)
Peak torque	9.45 Nm
Peak current	103.5 A (rms)
Stall torque	3.25 Nm
Stall current	23.7 A (rms)
No load speed	3970 rpm
EMF constant ±10%	8.28 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.137 Nm / A (rms)
Torque constant ±10% @ rated load	0.120 Nm / A (rms)
Number of poles	10
Electrical time constant	2.89 ms
Winding terminal resistance	0.083 Ω
Rotary field terminal inductance	0.24 mH

Customs info

HS Code	85015220
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Mechanical data (setting 48)

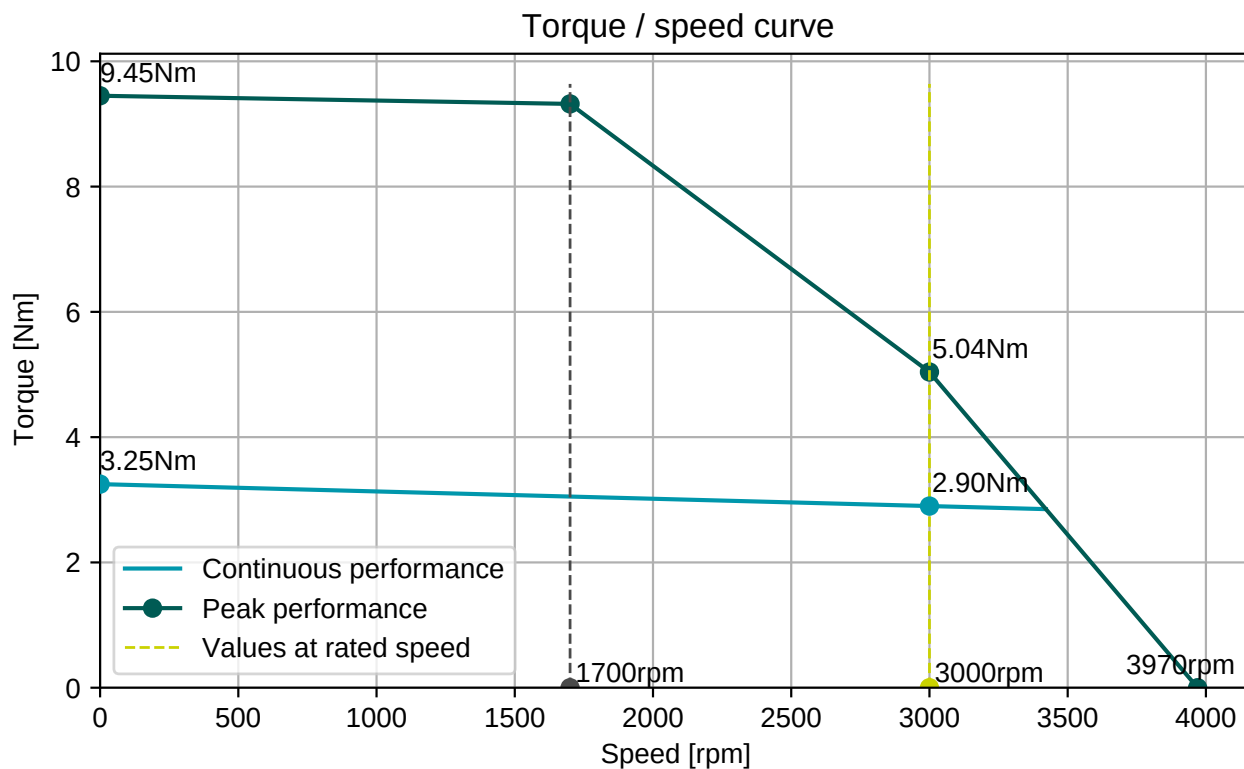
Max mechanical speed	12000 rpm
Mech. time constant	0.84 ms
Thermal time constant	34 min
Rotor inertia	1.1 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2 kg

Sensors

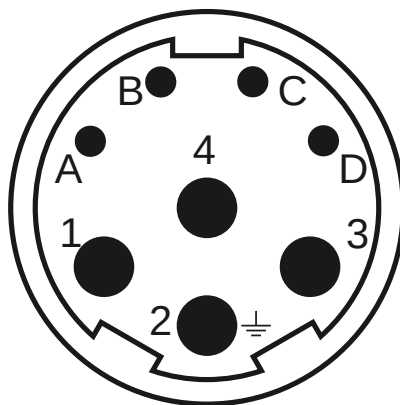
Temperature	PT1000 {PT1000}
Feedback	EEM37 (HDSL) multi-turn, 17+12 bits

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


Connector 1 (283)

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

