

Engineering data (WIN 729)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	291 V AC (rms)
Rated power	3.3 kW
Rated speed	3000 rpm
Rated torque	10.50 Nm
Rated current	8.25 A (rms)
Peak torque	36 Nm
Peak current	29.4 A (rms)
Stall torque	12 Nm
Stall current	8 A (rms)
No load speed	4170 rpm
EMF constant ±10%	91 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.51 Nm / A (rms)
Torque constant ±10% @ rated load	1.27 Nm / A (rms)
Number of poles	10
Electrical time constant	8.20 ms
Winding terminal resistance	1.33 Ω
Rotary field terminal inductance	10.9 mH

Customs info

HS Code	85015220
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Mechanical data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.80 ms
Thermal time constant	45 min
Rotor inertia	7.9 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	11.2 kg
Max. axial force 20kh	129 N
Max. radial force 20kh	681 N*
Max. axial force 100kh	76 N
Max. radial force 100kh	398 N*

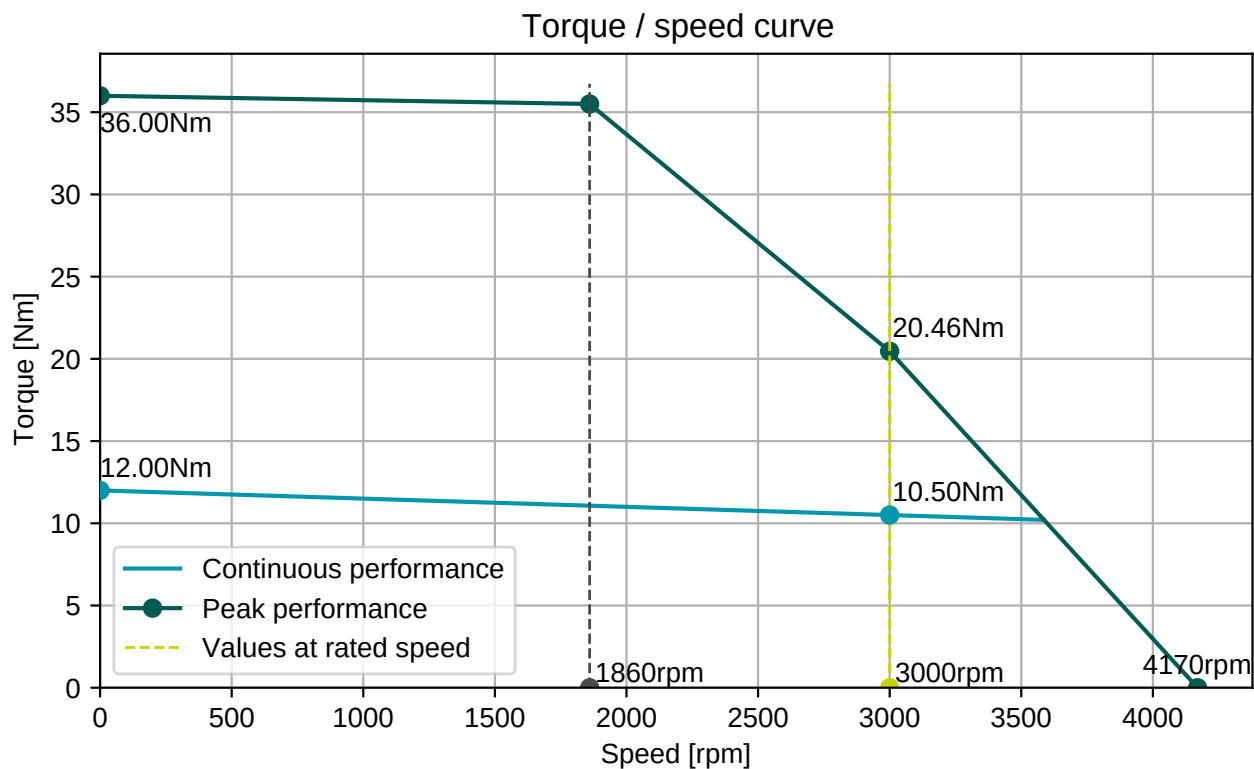
* Defined for point of action at ½ output shaft length

Sensors

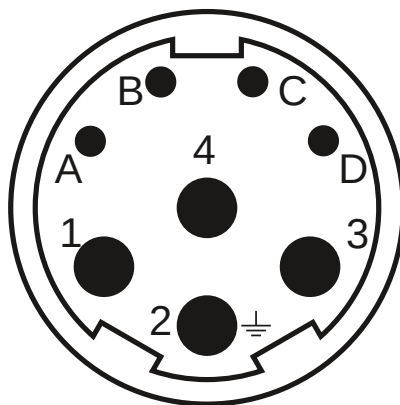
Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 18 bits, SIL2

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


Connector 1 (283)

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

