

Engineering data (WIN 731)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	296 V AC (rms)
Rated power	4.3 kW
Rated speed	3000 rpm
Rated torque	13.80 Nm
Rated current	9.89 A (rms)
Peak torque	48 Nm
Peak current	35.6 A (rms)
Stall torque	16 Nm
Stall current	10.1 A (rms)
No load speed	3950 rpm
EMF constant ±10%	96 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.59 Nm / A (rms)
Torque constant ±10% @ rated load	1.40 Nm / A (rms)
Number of poles	10
Electrical time constant	8.52 ms
Winding terminal resistance	0.88 Ω
Rotary field terminal inductance	7.5 mH

Customs info

HS Code	85015220
---------	----------

Mechanical data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.70 ms
Thermal time constant	55 min
Rotor inertia	11.5 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	11.2 kg
Max. axial force 20kh	138 N
Max. radial force 20kh	724 N*
Max. axial force 100kh	80 N
Max. radial force 100kh	423 N*

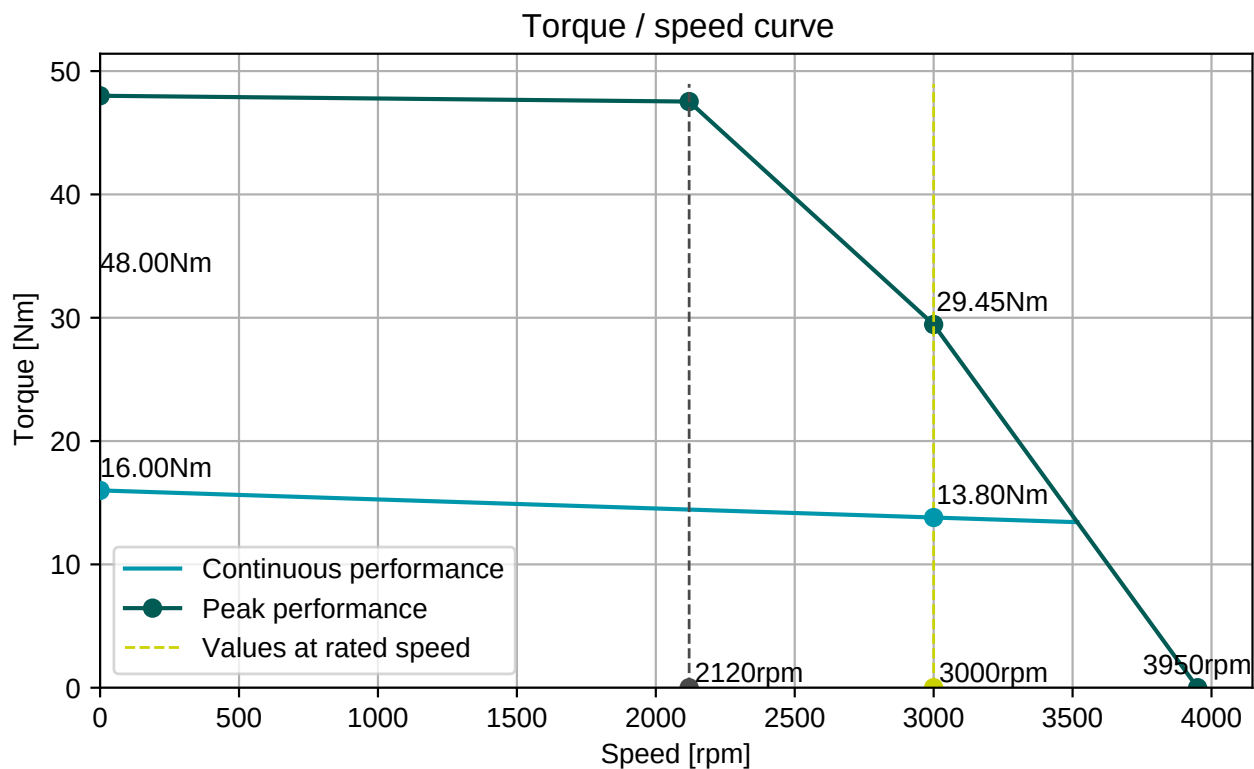
* Defined for point of action at ½ output shaft length

Sensors

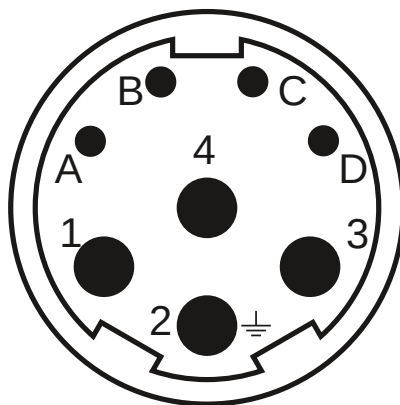
Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 18+12 bits, SIL2

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+

