

Engineering data (WIN 1531)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	297 V AC (rms)
Rated power	539 W
Rated speed	5000 rpm
Rated torque	1.03 Nm
Rated current	1.25 A (rms)
Peak torque	6.65 Nm
Peak current	7.8 A (rms)
Stall torque	1.75 Nm
Stall current	1.76 A (rms)
No load speed	6310 rpm
EMF constant ±10%	60 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.992 Nm / A (rms)
Torque constant ±10% @ rated load	0.824 Nm / A (rms)
Number of poles	10
Electrical time constant	1.43 ms
Winding terminal resistance	11.596 Ω
Rotary field terminal inductance	16.6 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.39 ms
Thermal time constant	28 min
Rotor inertia	0.68 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.9 kg
Max. axial force 20kh	56 N
Max. radial force 20kh	293 N*
Max. axial force 100kh	33 N
Max. radial force 100kh	171 N*

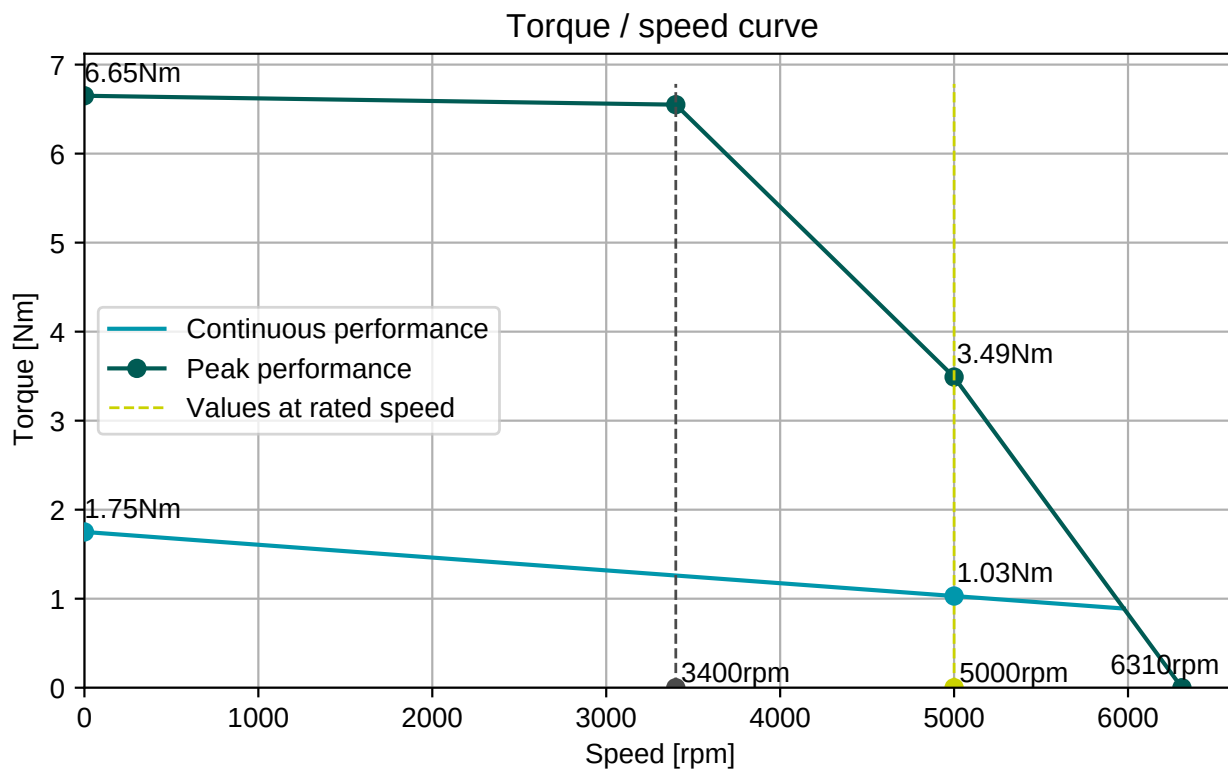
* Defined for point of action at ½ output shaft length

Sensors

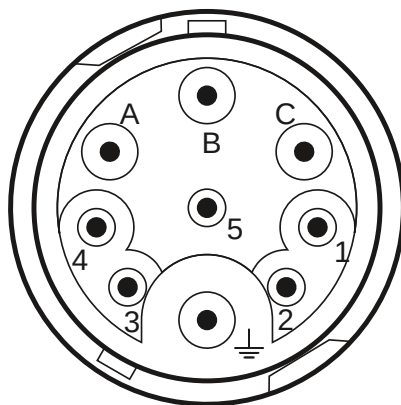
Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits

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


EGA201N00000800000

M15, 9 poles, rotary


Connector 1 (304)

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

