

Engineering data (WIN 943)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	107 V AC (rms)
Rated power	471 W
Rated speed	9000 rpm
Rated torque	0.50 Nm
Rated current	2.97 A (rms)
Peak torque	3.8 Nm
Peak current	24 A (rms)
Stall torque	0.95 Nm
Stall current	5.2 A (rms)
No load speed	19950 rpm
EMF constant ±10%	11 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.18 Nm / A (rms)
Torque constant ±10% @ rated load	0.17 Nm / A (rms)
Number of poles	6
Electrical time constant	1.44 ms
Winding terminal resistance	1.6 Ω
Rotary field terminal inductance	2.3 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	0.92 ms
Thermal time constant	18 min
Rotor inertia	0.11 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.7 kg
Max. axial force 20kh	35 N
Max. radial force 20kh	183 N*
Max. axial force 100kh	20 N
Max. radial force 100kh	107 N*

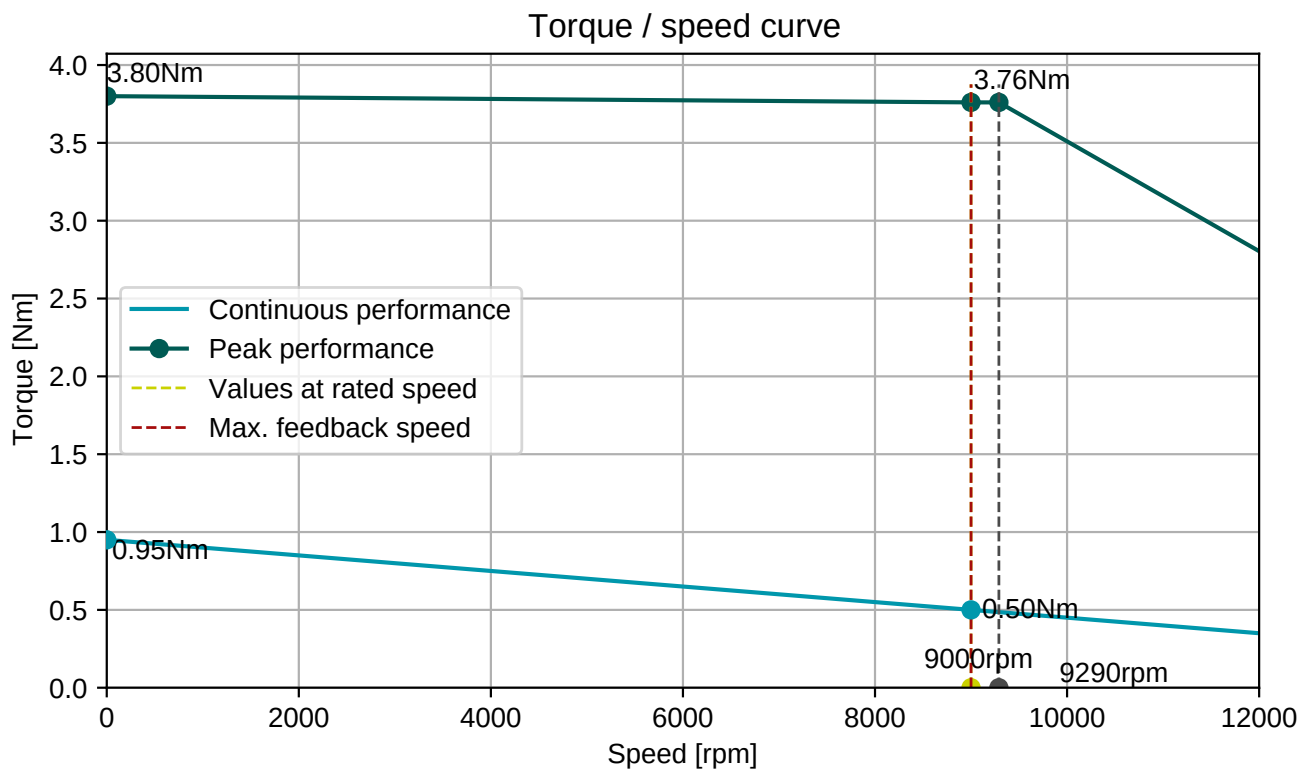
* Defined for point of action at ½ output shaft length

Sensors

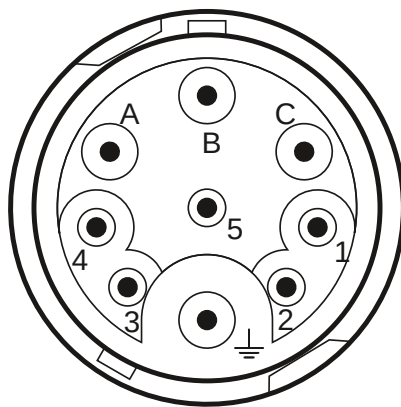
Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits

Brake

Braking torque	2.00 Nm
Voltage	24 V DC
Power @20°C	11.0 W
Current @20°C	0.46 A
Inertia	0.08 kgcm ²
Mass	0.20 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-

