

Engineering data (WIN 807)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	180 V AC (rms)
Rated power	1.2 kW
Rated speed	3000 rpm
Rated torque	3.70 Nm
Rated current	4.46 A (rms)
Peak torque	14.4 Nm
Peak current	17.3 A (rms)
Stall torque	4.8 Nm
Stall current	4.84 A (rms)
No load speed	3660 rpm
EMF constant ±10%	60 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.99 Nm / A (rms)
Torque constant ±10% @ rated load	0.83 Nm / A (rms)
Number of poles	10
Electrical time constant	3.00 ms
Winding terminal resistance	2.5 Ω
Rotary field terminal inductance	7.5 mH

Customs info

HS Code	85015220
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	0.67 ms
Thermal time constant	30 min
Rotor inertia	1.52 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	4.3 kg
Max. axial force 20kh	75 N
Max. radial force 20kh	393 N*
Max. axial force 100kh	44 N
Max. radial force 100kh	230 N*

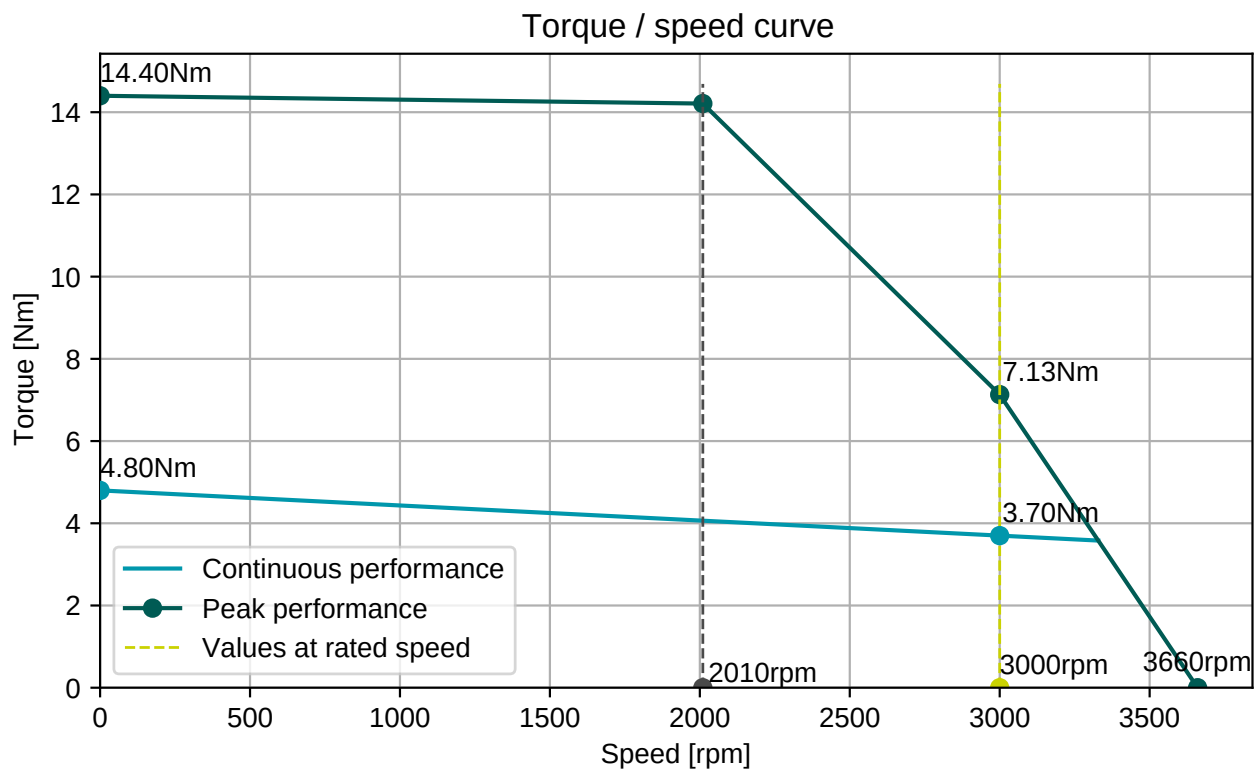
* Defined for point of action at ½ output shaft length

Sensors

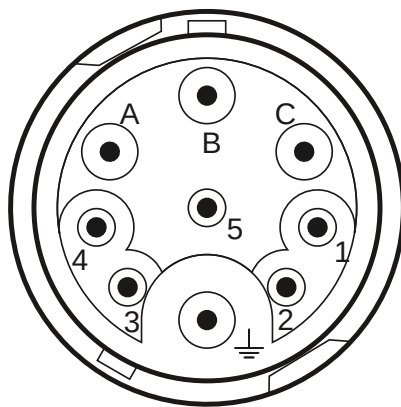
Temperature	PT1000 {PT1000}
Feedback	EDM35 (HDSL) multi-turn, 20+12 bits

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-

