

Engineering data (WIN 1035)

DC bus voltage	48 V DC
Nominal AC voltage	33 V AC (rms)
Rated voltage	32 V AC (rms)
Rated power	286 W
Rated speed	3000 rpm
Rated torque	0.91 Nm
Rated current	7.31 A (rms)
Peak torque	3.77 Nm
Peak current	33.4 A (rms)
Stall torque	0.95 Nm
Stall current	7.3 A (rms)
No load speed	4180 rpm
EMF constant ±10%	7.8 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.13 Nm / A (rms)
Torque constant ±10% @ rated load	0.12 Nm / A (rms)
Number of poles	6
Electrical time constant	1.36 ms
Winding terminal resistance	0.87 Ω
Rotary field terminal inductance	1.18 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.00 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	50 N
Max. radial force 20kh	264 N*
Max. axial force 100kh	29 N
Max. radial force 100kh	154 N*

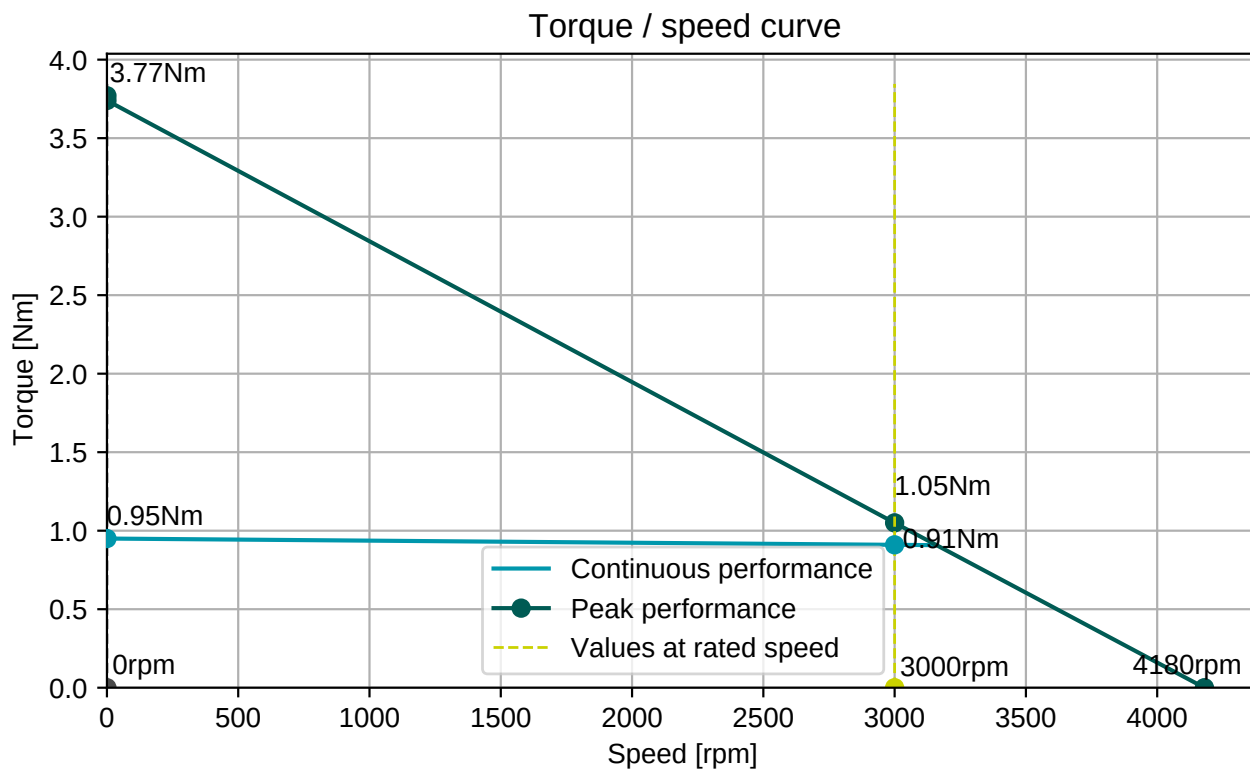
* Defined for point of action at ½ output shaft length

Sensors

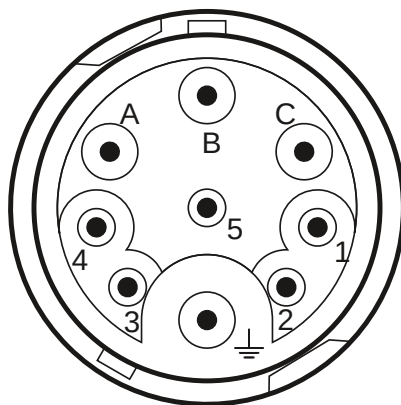
Temperature	PT1000 {PT1000}
Feedback	EDS35 (HDSL) single-turn, 24 bits

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-

