

Engineering data (WIN 1502)

DC bus voltage	48 V DC
Nominal AC voltage	33 V AC (rms)
Rated voltage	24 V AC (rms)
Rated power	597 W
Rated speed	3000 rpm
Rated torque	1.90 Nm
Rated current	18.25 A (rms)
Peak torque	10.5 Nm
Peak current	104.3 A (rms)
Stall torque	2.2 Nm
Stall current	18.2 A (rms)
No load speed	4480 rpm
EMF constant ±10%	7.32 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.121 Nm / A (rms)
Torque constant ±10% @ rated load	0.104 Nm / A (rms)
Number of poles	10
Electrical time constant	1.18 ms
Winding terminal resistance	0.144 Ω
Rotary field terminal inductance	0.17 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.77 ms
Thermal time constant	27 min
Rotor inertia	1.04 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Cable length	1 m
Motor-only mass	2 kg
Max. axial force 20kh	75 N
Max. radial force 20kh	394 N*
Max. axial force 100kh	44 N
Max. radial force 100kh	231 N*

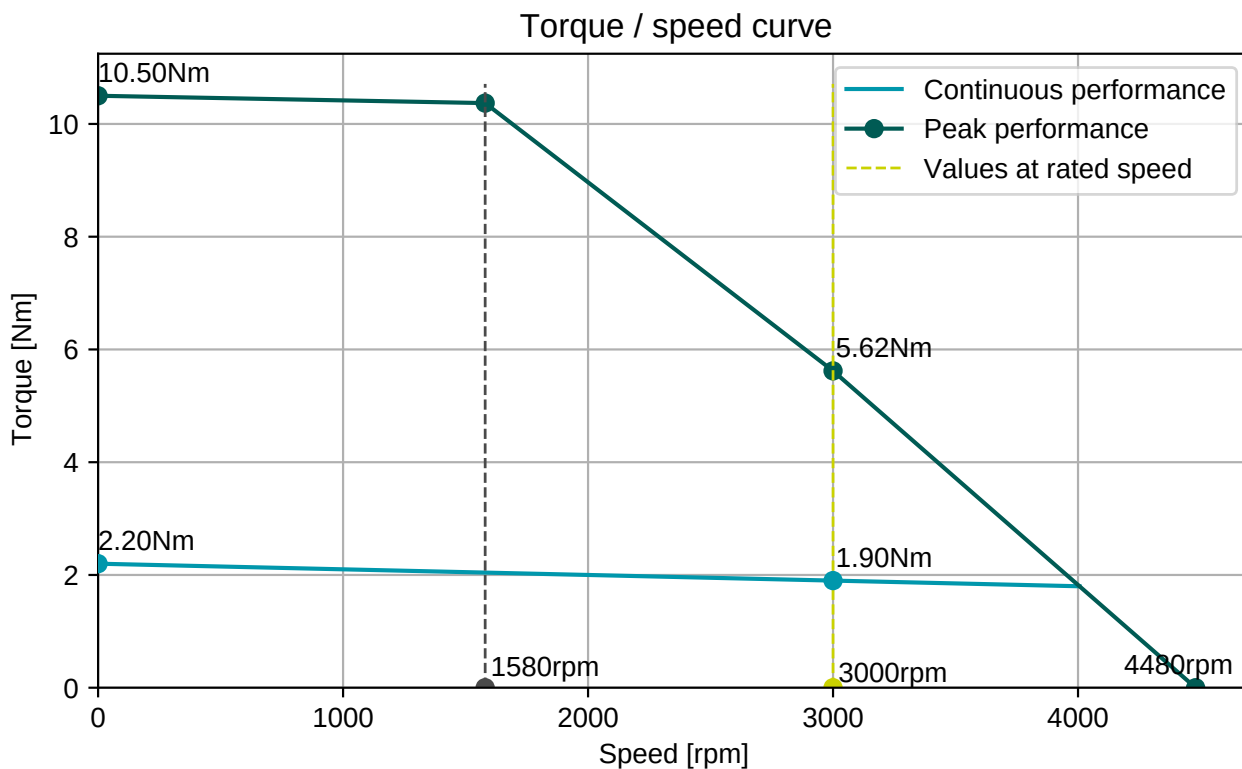
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EES37 (HDSL) single-turn, 17 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



**Cable DSL4x2,5 (2x0,25)+(2x1),
D=13,5±0,4mm**

Connector 1 (306)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-
brown	+Us/DSL+
white	GND/DSL-

Numbers printed on the cables

