

Engineering data (WIN 1166)

DC bus voltage	48 V DC
Nominal AC voltage	34 V AC (rms)
Rated voltage	25 V AC (rms)
Rated power	355 W
Rated speed	3000 rpm
Rated torque	1.13 Nm
Rated current	12.9 A (rms)
Peak torque	3.45 Nm
Peak current	49.6 A (rms)
Stall torque	1.15 Nm
Stall current	11.3 A (rms)
No load speed	5450 rpm
EMF constant ±10%	6.2 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.1 Nm / A (rms)
Torque constant ±10% @ rated load	0.1 Nm / A (rms)
Number of poles	10
Electrical time constant	2.22 ms
Winding terminal resistance	0.27 Ω
Rotary field terminal inductance	0.6 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.38 ms
Thermal time constant	21 min
Rotor inertia	0.31 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection

Sensors

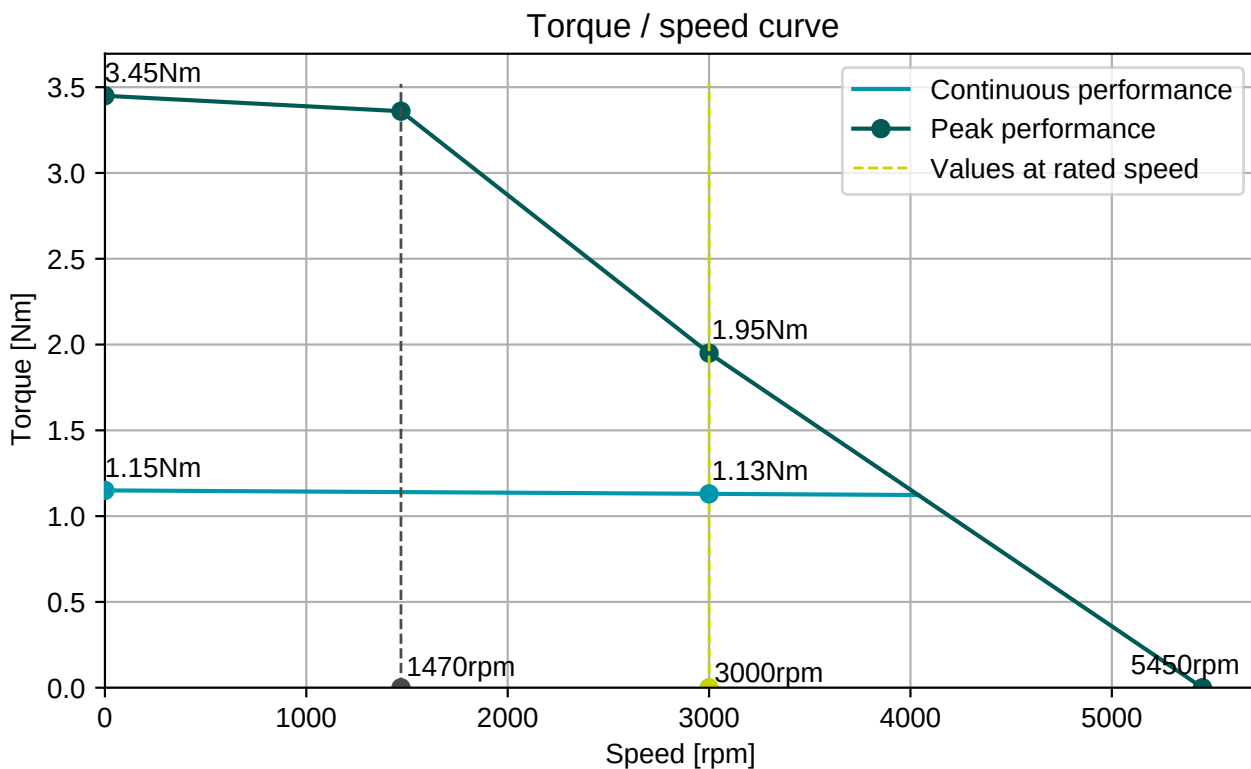
Temperature	PT1000 {PT1000}
Feedback	EES37 (HDSL) single-turn, 17 bits

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

Note

The winding of the motor has rated current 12.9 A. Power cable is rated only for 10 A. The motor can be operated only with continuous current limited to 10 A in servoamplifier. Otherwise the power cable could be burned.



**Cable DSL4x1,5 (2x0,25)+(2x0,75),
D=12,2±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

