

Engineering data (WIN 1417)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	148 V AC (rms)
Rated power	346 W
Rated speed	3000 rpm
Rated torque	1.10 Nm
Rated current	1.73 A (rms)
Peak torque	4.94 Nm
Peak current	8.3 A (rms)
Stall torque	1.3 Nm
Stall current	1.77 A (rms)
No load speed	4910 rpm
EMF constant ±10%	44.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.736 Nm / A (rms)
Torque constant ±10% @ rated load	0.636 Nm / A (rms)
Number of poles	10
Electrical time constant	1.44 ms
Winding terminal resistance	9.598 Ω
Rotary field terminal inductance	13.8 mH

Customs info

HS Code	85015100
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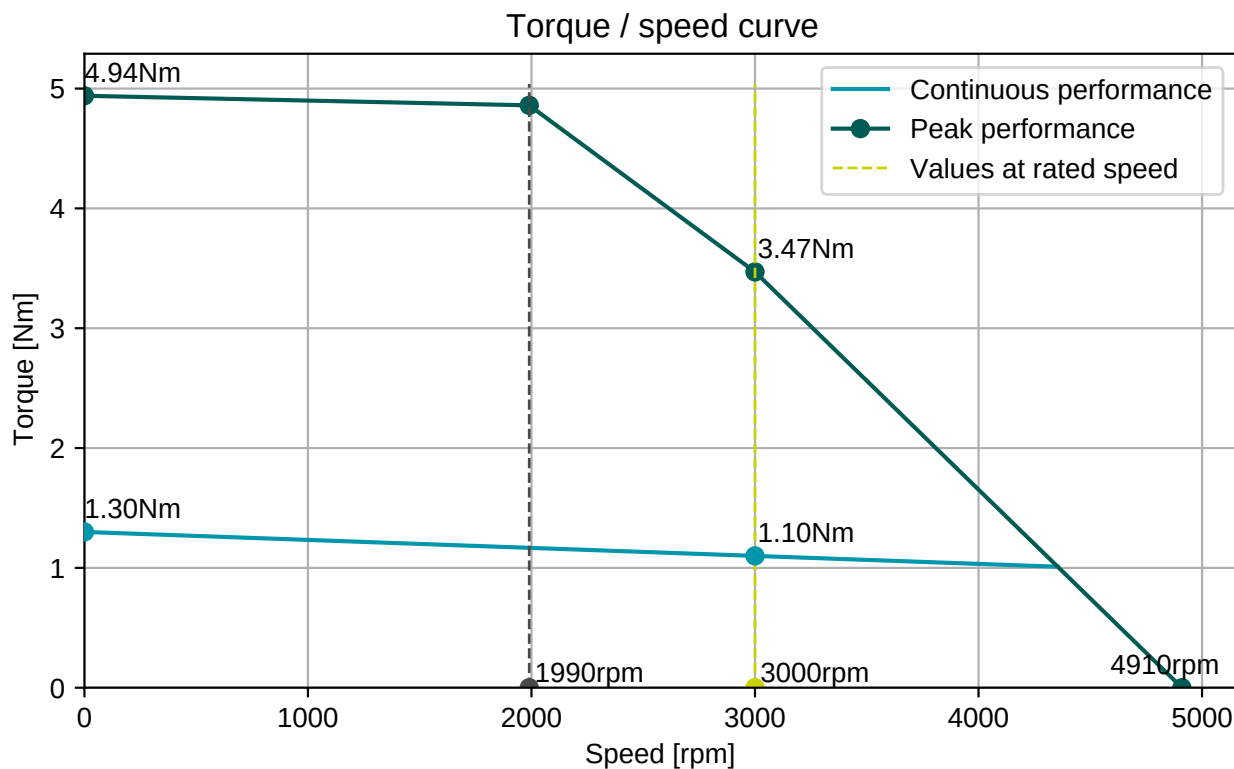
Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.53 ms
Thermal time constant	24 min
Rotor inertia	0.5 kgcm ²
Protection	IP67
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.6 kg
Max. axial force 20kh	60 N
Max. radial force 20kh	334 N*
Max. axial force 100kh	36 N
Max. radial force 100kh	191 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 17 bits



Cable DSL4x1 (2x0,25) , D=10,3±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

