

Engineering data (WIN 1359)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	152 V AC (rms)
Rated power	440 W
Rated speed	3000 rpm
Rated torque	1.40 Nm
Rated current	2.07 A (rms)
Peak torque	6.65 Nm
Peak current	9.9 A (rms)
Stall torque	1.75 Nm
Stall current	2.23 A (rms)
No load speed	4610 rpm
EMF constant ±10%	47.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.786 Nm / A (rms)
Torque constant ±10% @ rated load	0.676 Nm / A (rms)
Number of poles	10
Electrical time constant	1.44 ms
Winding terminal resistance	7.3 Ω
Rotary field terminal inductance	10.5 mH

Customs info

HS Code	85015100
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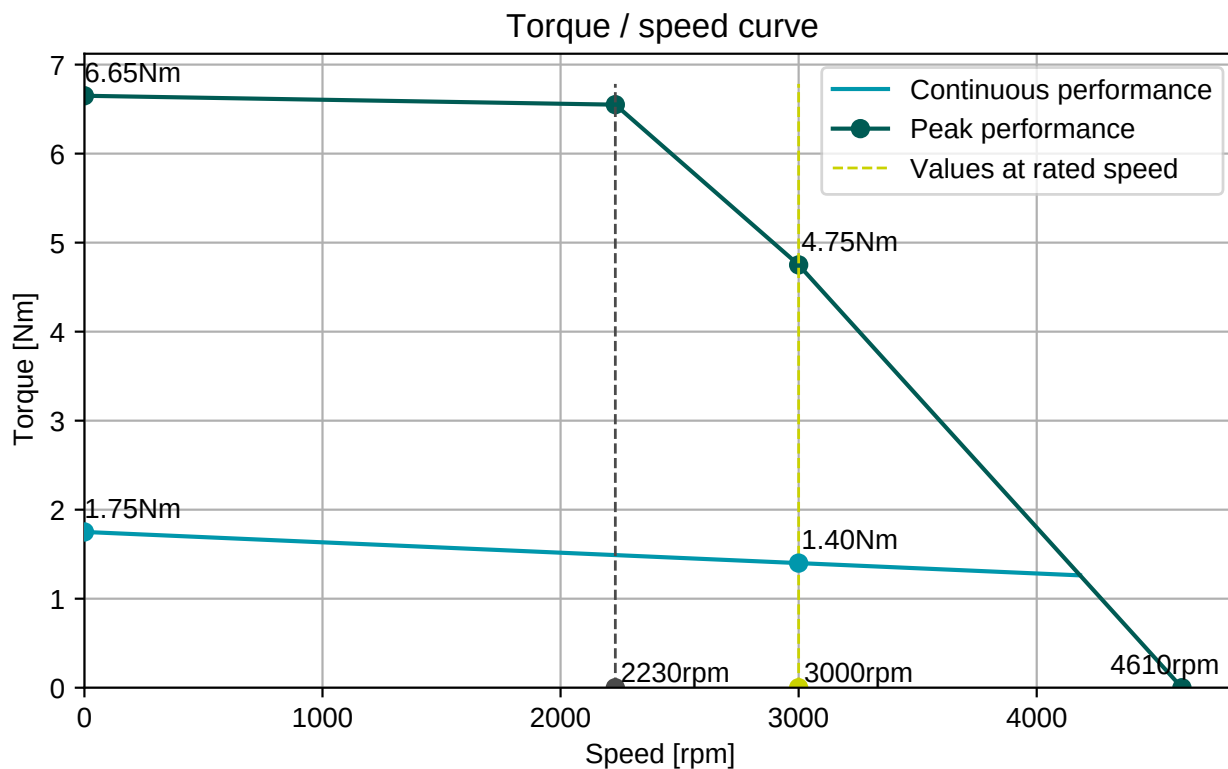
Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.39 ms
Thermal time constant	28 min
Rotor inertia	0.68 kgcm ²
Protection	IP67
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.9 kg
Max. axial force 20kh	64 N
Max. radial force 20kh	357 N*
Max. axial force 100kh	37 N
Max. radial force 100kh	195 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

