

Engineering motordata (WIN 1272)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	115 V AC (rms)
Rated power	113 W
Rated speed	4500 rpm
Rated torque	0.24 Nm
Rated current	0.93 A (rms)
Peak torque	1 Nm
Peak current	4 A (rms)
Stall torque	0.26 Nm
Stall current	0.9 A (rms)
No load speed	12250 rpm
EMF constant ±10%	17.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.289 Nm / A (rms)
Torque constant ±10% @ rated load	0.258 Nm / A (rms)
Number of poles	6
Electrical time constant	1.05 ms
Winding terminal resistance	27.092 Ω
Rotary field terminal inductance	28.4 mH

Customs info

HS Code	85015100
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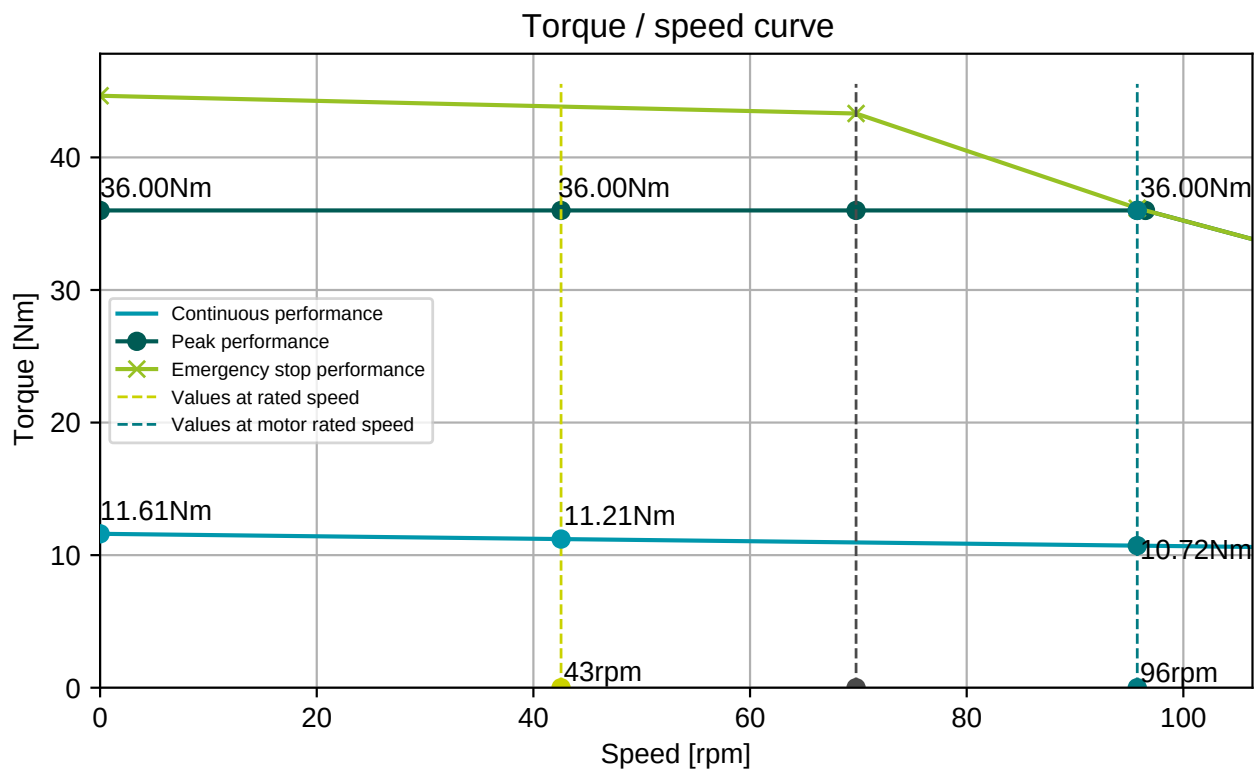
Mechanical motor data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	2.80 ms
Thermal time constant	12 min
Rotor inertia	0.05 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	0.6 kg

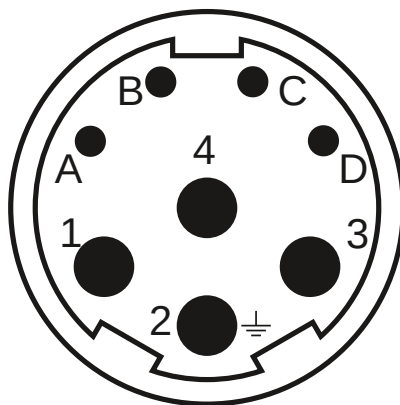
Sensors

Temperature	PT1000 {PT1000}
Feedback	EDM35 (HDSL) multi-turn, 20+12 bits

Gearbox engineering data		Gearbox mechanical data	
Gear ratio	47	Max. radial force	1440 N
Efficiency	95 %*	Max. axial force	1900 N
Torsional stiffness	2.5 Nm/arcmin	Output shaft design	Flange
Rated output torque	18 Nm	Mass	0.47 kg
Max output torque	36 Nm	Input inertia	0.007 kgcm ²
Emergency output torque	90 Nm	Protection	IP64
Rated input speed	2000 rpm	Actuator data	
Max input speed	5000 rpm	Rated speed	43 rpm
Operating temperature	<-25; 50> °C	Rated torque	11.21 Nm
Max. backlash	< 1.5 arcmin	Peak torque	36.00 Nm
Service life	6000 h	Emergency stop torque	47.00 Nm
* at rated speed & torque		EMF constant ±10%	822.5 V AC (rms) / 1000rpm
		Torque constant ±10% @ rated load	11.52 Nm / A (rms)
Lubrication		Total mass	1.07 kg
Type	Standard	Output inertia	125.9 kgcm ²
Lubricant	TRIBOL GR TT 1 PD		


BGC110N00001216000

M23, 8 poles, rotary


Connector 1 (283)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+

