

Engineering motordata (WIN 1336)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	170 V AC (rms)
Rated power	358 W
Rated speed	4500 rpm
Rated torque	0.76 Nm
Rated current	1.66 A (rms)
Peak torque	2.4 Nm
Peak current	6.2 A (rms)
Stall torque	0.95 Nm
Stall current	1.69 A (rms)
No load speed	6410 rpm
EMF constant ±10%	34 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.562 Nm / A (rms)
Torque constant ±10% @ rated load	0.458 Nm / A (rms)
Number of poles	10
Electrical time constant	1.97 ms
Winding terminal resistance	8.391 Ω
Rotary field terminal inductance	16.5 mH

Customs info

HS Code	85015100
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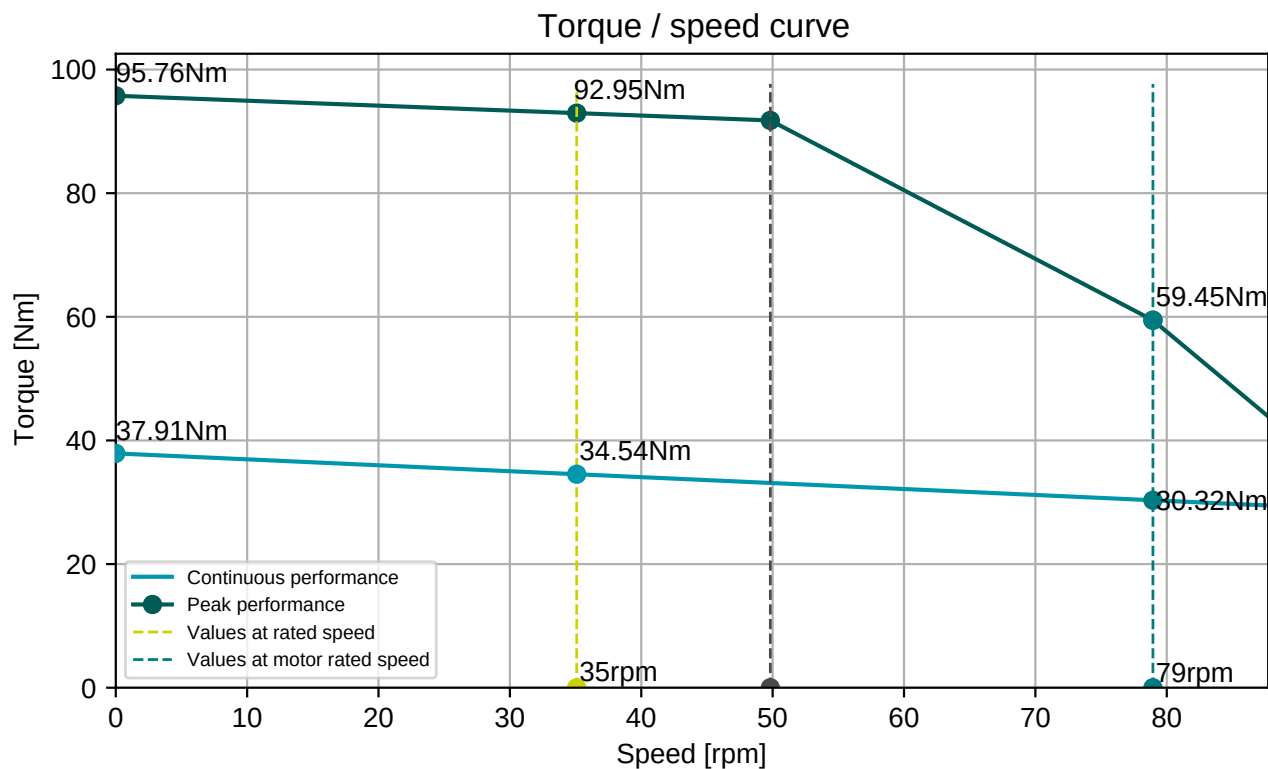
Mechanical motor data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	2.30 ms
Thermal time constant	25 min
Rotor inertia	0.5 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2.5 kg

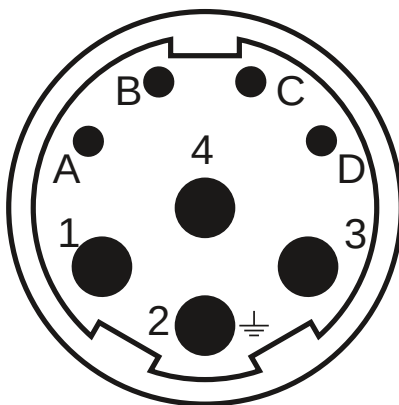
Sensors

Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 18 bits, SIL2

Gearbox engineering data		Gearbox mechanical data	
Gear ratio	57	Max. radial force	2800 N
Efficiency	70 %*	Max. axial force	4100 N
Torsional stiffness	8 Nm/arcmin	Output shaft design	Flange
Rated output torque	50 Nm	Mass	1.35 kg
Max output torque	125 Nm	Input inertia	0.061 kgcm ²
Rated input speed	2000 rpm	Protection	IP64
Max input speed	5000 rpm	Actuator data	
Operating temperature	<-25; 50> °C	Rated speed	35 rpm
Max. backlash	< 0.5 arcmin	Rated torque	34.54 Nm
Service life	6000 h	Peak torque	95.76 Nm
* at rated speed & torque		EMF constant ±10%	1938.0 V AC (rms) / 1000rpm
Lubrication		Torque constant ±10% @ rated load	18.27 Nm / A (rms)
Type	Standard	Total mass	3.85 kg
Lubricant	Mobil SHC150	Output inertia	1822.7 kgcm ²


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+

