

Engineering motordata (WIN 732)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	165 V AC (rms)
Rated power	2.8 kW
Rated speed	1500 rpm
Rated torque	18.00 Nm
Rated current	11.81 A (rms)
Peak torque	60 Nm
Peak current	39.8 A (rms)
Stall torque	20 Nm
Stall current	11.6 A (rms)
No load speed	2110 rpm
EMF constant ±10%	104 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.72 Nm / A (rms)
Torque constant ±10% @ rated load	1.52 Nm / A (rms)
Number of poles	10
Electrical time constant	8.75 ms
Winding terminal resistance	0.72 Ω
Rotary field terminal inductance	6.3 mH

Customs info

HS Code	85015220
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Mechanical motor data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.64 ms
Thermal time constant	65 min
Rotor inertia	15.1 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	11.2 kg
Max. axial force 20kh	179 N
Max. radial force 20kh	940 N*
Max. axial force 100kh	104 N
Max. radial force 100kh	550 N*

** Defined for point of action at ½ output shaft length*

Sensors

Temperature	PT1000 {PT1000}
Feedback	EDS35 (HDSL) single-turn, 24 bits

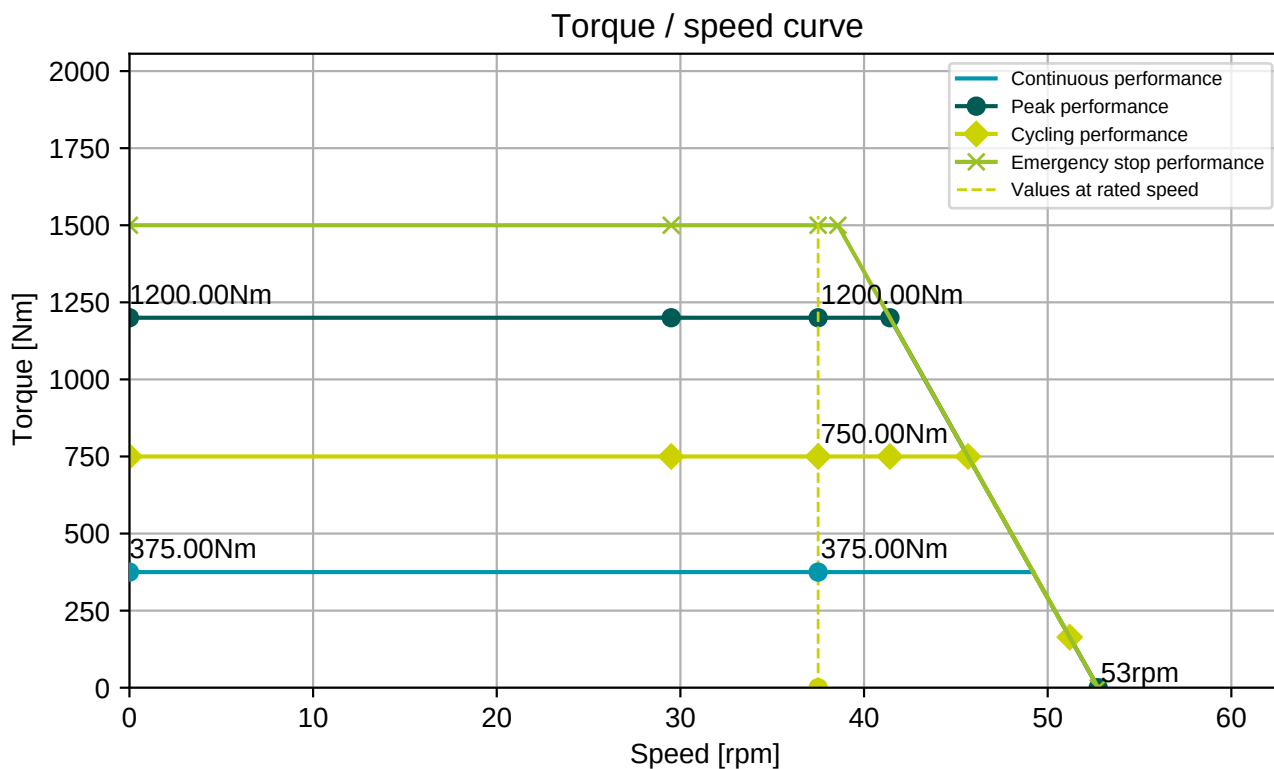
Gearbox engineering data	
Gear ratio	40
Efficiency	95 %*
Torsional stiffness	223 Nm/arcmin
Number of stages	2
Rated output torque	375 Nm
Cycling output torque	750 Nm
Max output torque	1200 Nm
Emergency output torque	1500 Nm
Rated input speed	3500 rpm
Max input speed	8500 rpm
Operating temperature	<-25; 90> °C
Max. backlash	< 5 arcmin
Service life	20000 h

* at rated speed & torque

Lubrication	
Type	Standard
Lubricant	Castrol Optigear Synthetic 800/150

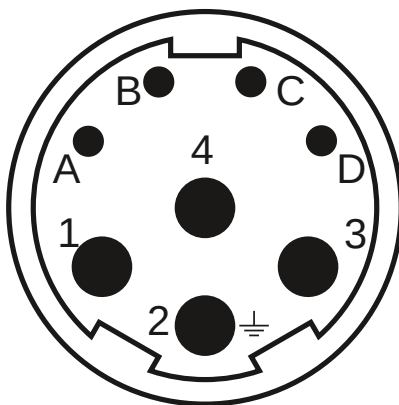
Gearbox mechanical data	
Radial force for 20'000h	12000 N
Radial force for 30'000h	11000 N
Max. radial force	12000 N
Axial force for 20'000h	8500 N
Axial force for 30'000h	7500 N
Max. axial force	8500 N
Tilting moment for 20'000h	1219 Nm
Tilting moment for 30'000h	1117 Nm
Max. bending moment	80 Nm
Output shaft design	Flange
Mass	14.88 kg
Input inertia	1.992 kgcm ²
Protection	IP65

Actuator data	
Rated speed	38 rpm
Rated torque	375.00 Nm
Cycling torque	750.00 Nm
Peak torque	1200.00 Nm
Emergency stop torque	1500.00 Nm
EMF constant ±10%	4160.0 V AC (rms) / 1000rpm
Torque constant ±10% @ rated load	57.92 Nm / A (rms)
Total mass	26.08 kg
Output inertia	27347.2 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+

