

Engineering motordata (WIN 1262)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	252 V AC (rms)
Rated power	1.0 kW
Rated speed	3000 rpm
Rated torque	3.20 Nm
Rated current	2.71 A (rms)
Peak torque	11.1 Nm
Peak current	12.1 A (rms)
Stall torque	4.05 Nm
Stall current	3.02 A (rms)
No load speed	4680 rpm
EMF constant ±10%	81 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.34 Nm / A (rms)
Torque constant ±10% @ rated load	1.18 Nm / A (rms)
Number of poles	10
Electrical time constant	5.08 ms
Winding terminal resistance	3.98 Ω
Rotary field terminal inductance	20.2 mH

Customs info

HS Code	85015220
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Mechanical motor data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.92 ms
Thermal time constant	37 min
Rotor inertia	2.4 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	6 kg

Sensors

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

Gearbox engineering data

Gear ratio	67
Efficiency	70 %*
Torsional stiffness	22 Nm/arcmin
Rated output torque	130 Nm
Max output torque	325 Nm
Rated input speed	2000 rpm
Max input speed	4500 rpm
Operating temperature	<-25; 50> °C
Max. backlash	< 0.5 arcmin
Service life	6000 h

* at rated speed & torque

Lubrication

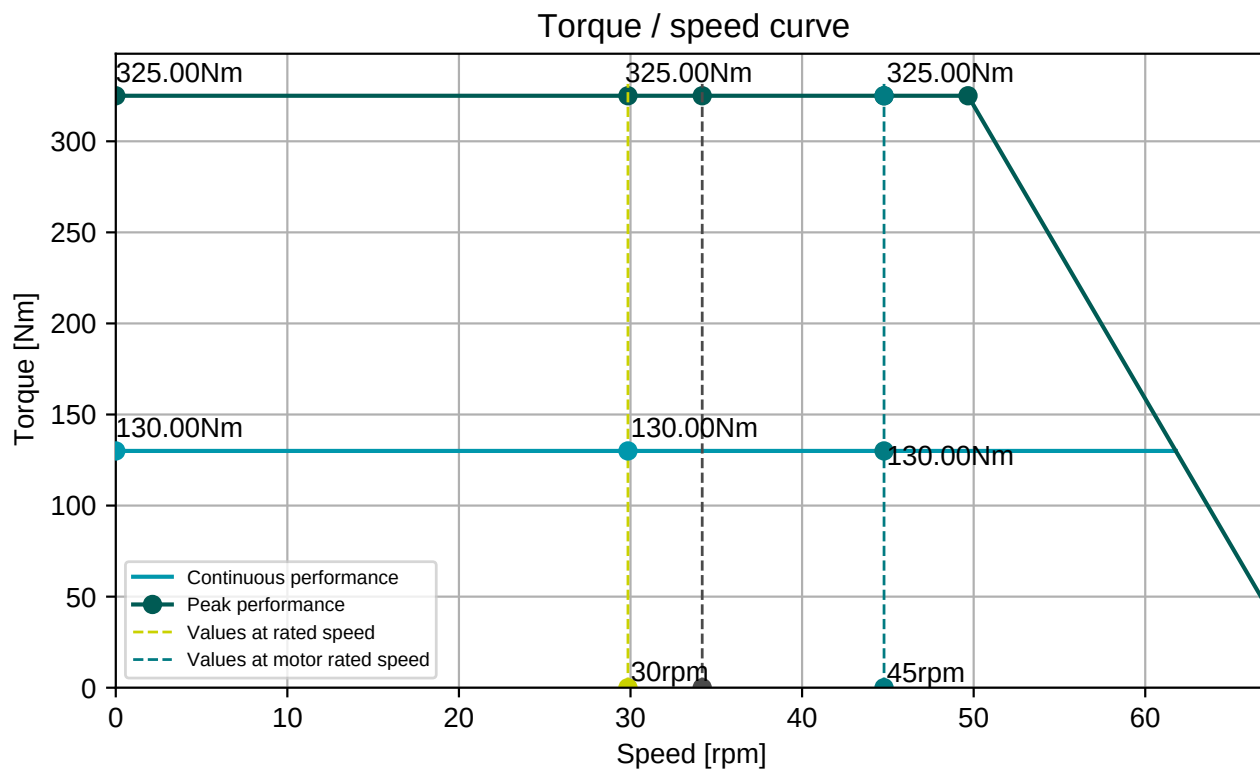
Type	Standard
Lubricant	Mobil Gear SHC150

Gearbox mechanical data

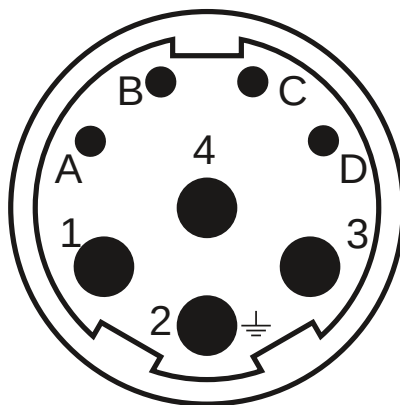
Max. radial force	9300 N
Max. axial force	13100 N
Output shaft design	Flange
Mass	4.2 kg
Input inertia	0.16 kgcm ²
Protection	IP64

Actuator data

Rated speed	30 rpm
Rated torque	130.00 Nm
Peak torque	325.00 Nm
EMF constant ±10%	5427.0 V AC (rms) / 1000rpm
Torque constant ±10% @ rated load	55.38 Nm / A (rms)
Total mass	10.20 kg
Output inertia	11491.8 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+

