

Engineering data (WIN 945)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	311 V AC (rms)
Rated power	9.2 kW
Rated speed	2000 rpm
Rated torque	44.00 Nm
Rated current	19.66 A (rms)
Peak torque	180 Nm
Peak current	81.6 A (rms)
Stall torque	60 Nm
Stall current	24 A (rms)
No load speed	2510 rpm
EMF constant ±10%	151 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.5 Nm / A (rms)
Torque constant ±10% @ rated load	2.2 Nm / A (rms)
Number of poles	10
Electrical time constant	21.25 ms
Winding terminal resistance	0.24 Ω
Rotary field terminal inductance	5.1 mH

Customs info

HS Code	85015230
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Mechanical data (setting 48)

Max mechanical speed	6000 rpm
Mech. time constant	0.71 ms
Thermal time constant	108 min
Rotor inertia	107 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	33.5 kg
Max. axial force 20kh	314 N
Max. radial force 20kh	1652 N*
Max. axial force 100kh	184 N
Max. radial force 100kh	966 N*

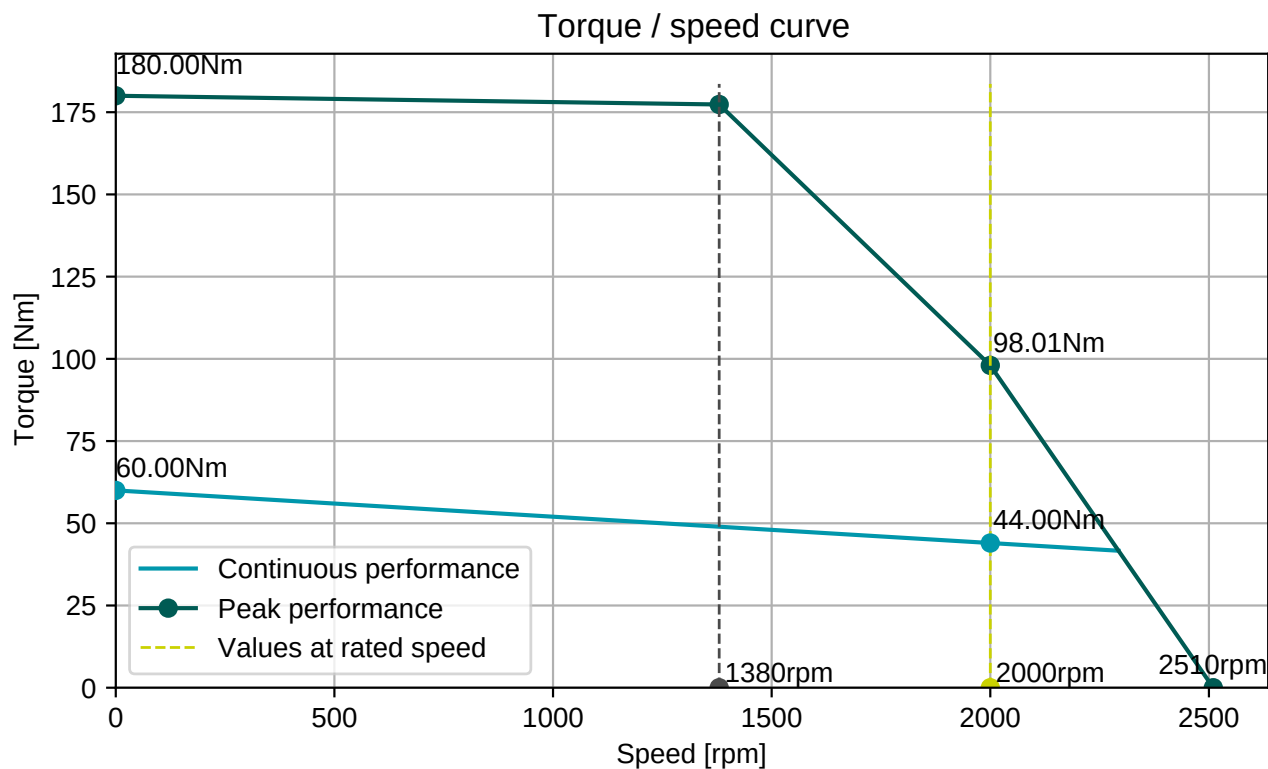
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 17 bits

Brake

Braking torque	36.00 Nm
Voltage	24 V DC
Power @20°C	26.0 W
Current @20°C	1.08 A
Inertia	6.20 kgcm ²
Mass	2.85 kg


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+

