

Engineering data (WIN 1439)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	165 V AC (rms)
Rated power	490 W
Rated speed	6000 rpm
Rated torque	0.78 Nm
Rated current	2.06 A (rms)
Peak torque	4.94 Nm
Peak current	13.5 A (rms)
Stall torque	1.3 Nm
Stall current	2.86 A (rms)
No load speed	7970 rpm
EMF constant ±10%	27.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.455 Nm / A (rms)
Torque constant ±10% @ rated load	0.379 Nm / A (rms)
Number of poles	10
Electrical time constant	1.34 ms
Winding terminal resistance	3.99 Ω
Rotary field terminal inductance	5.35 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.67 ms
Thermal time constant	24 min
Rotor inertia	0.5 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2 kg
Max. axial force 20kh	45 N
Max. radial force 20kh	237 N*
Max. axial force 100kh	26 N
Max. radial force 100kh	139 N*

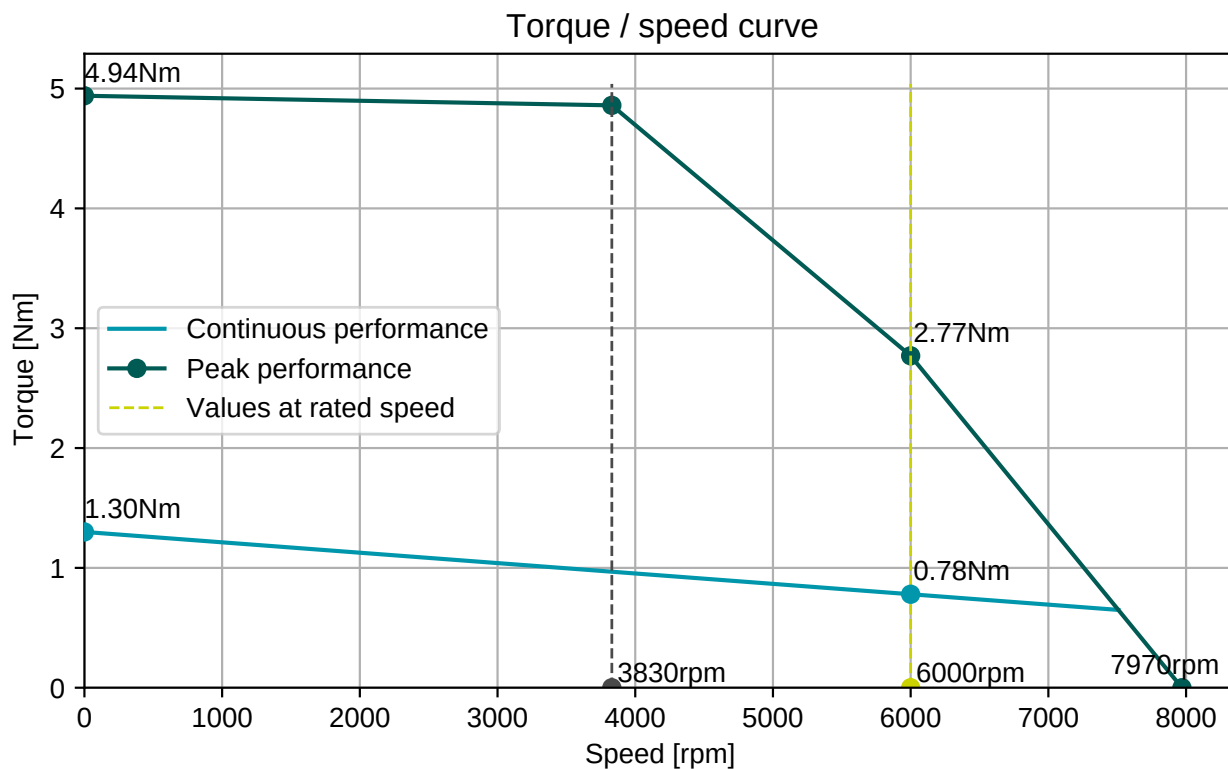
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits

Brake

Braking torque	4.50 Nm
Voltage	24 V DC
Power @20°C	12.0 W
Current @20°C	0.50 A
Inertia	0.20 kgcm ²
Mass	0.47 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+

