

Engineering data (WIN 1579)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	177 V AC (rms)
Rated power	471 W
Rated speed	6000 rpm
Rated torque	0.75 Nm
Rated current	1.9 A (rms)
Peak torque	8.36 Nm
Peak current	18.8 A (rms)
Stall torque	2.2 Nm
Stall current	4.29 A (rms)
No load speed	7070 rpm
EMF constant ±10%	31 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.513 Nm / A (rms)
Torque constant ±10% @ rated load	0.395 Nm / A (rms)
Number of poles	10
Electrical time constant	1.58 ms
Winding terminal resistance	2.151 Ω
Rotary field terminal inductance	3.39 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.20 ms
Thermal time constant	32 min
Rotor inertia	0.85 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2.7 kg
Max. axial force 20kh	51 N
Max. radial force 20kh	266 N*
Max. axial force 100kh	30 N
Max. radial force 100kh	156 N*

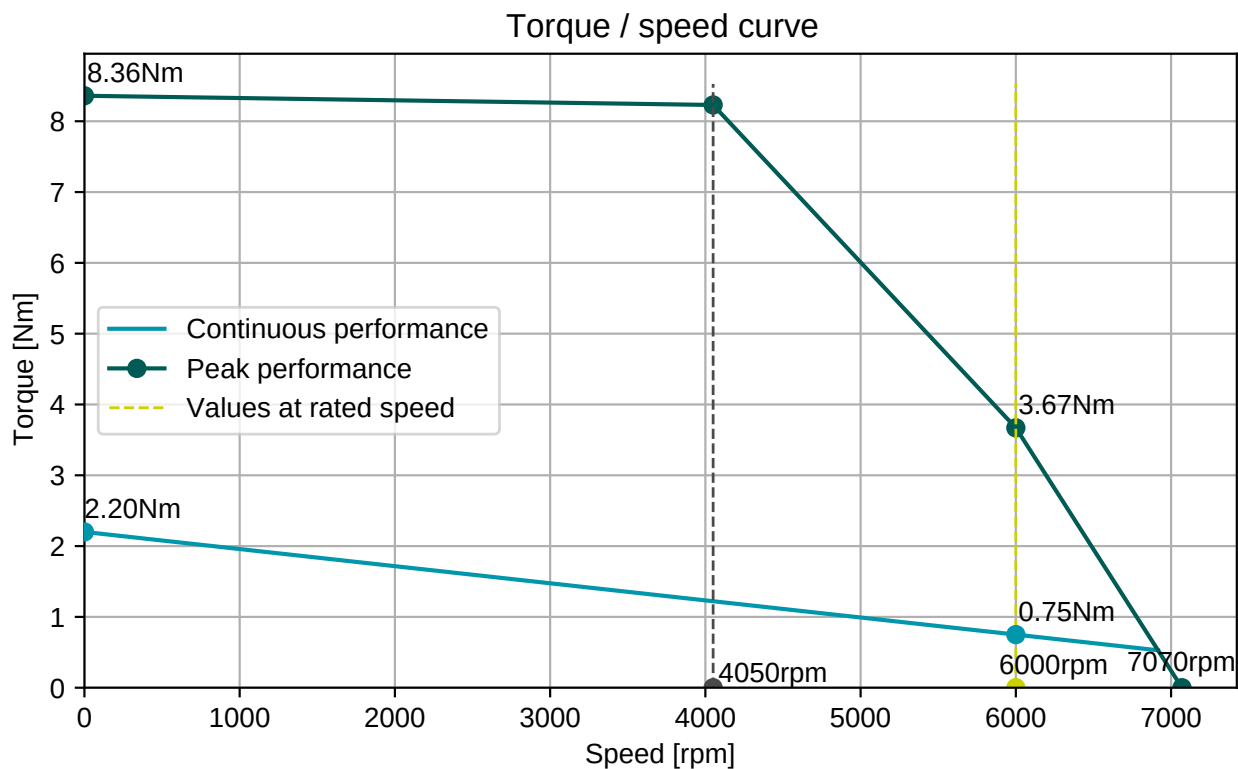
* Defined for point of action at ½ output shaft length

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+

