

Engineering data (WIN 797)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	263 V AC (rms)
Rated power	3.1 kW
Rated speed	6000 rpm
Rated torque	5.00 Nm
Rated current	8.74 A (rms)
Peak torque	28.8 Nm
Peak current	40 A (rms)
Stall torque	9.6 Nm
Stall current	10.7 A (rms)
No load speed	7020 rpm
EMF constant ±10%	54 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.89 Nm / A (rms)
Torque constant ±10% @ rated load	0.57 Nm / A (rms)
Number of poles	10
Electrical time constant	5.76 ms
Winding terminal resistance	0.62 Ω
Rotary field terminal inductance	3.57 mH

Customs info

HS Code	85015220
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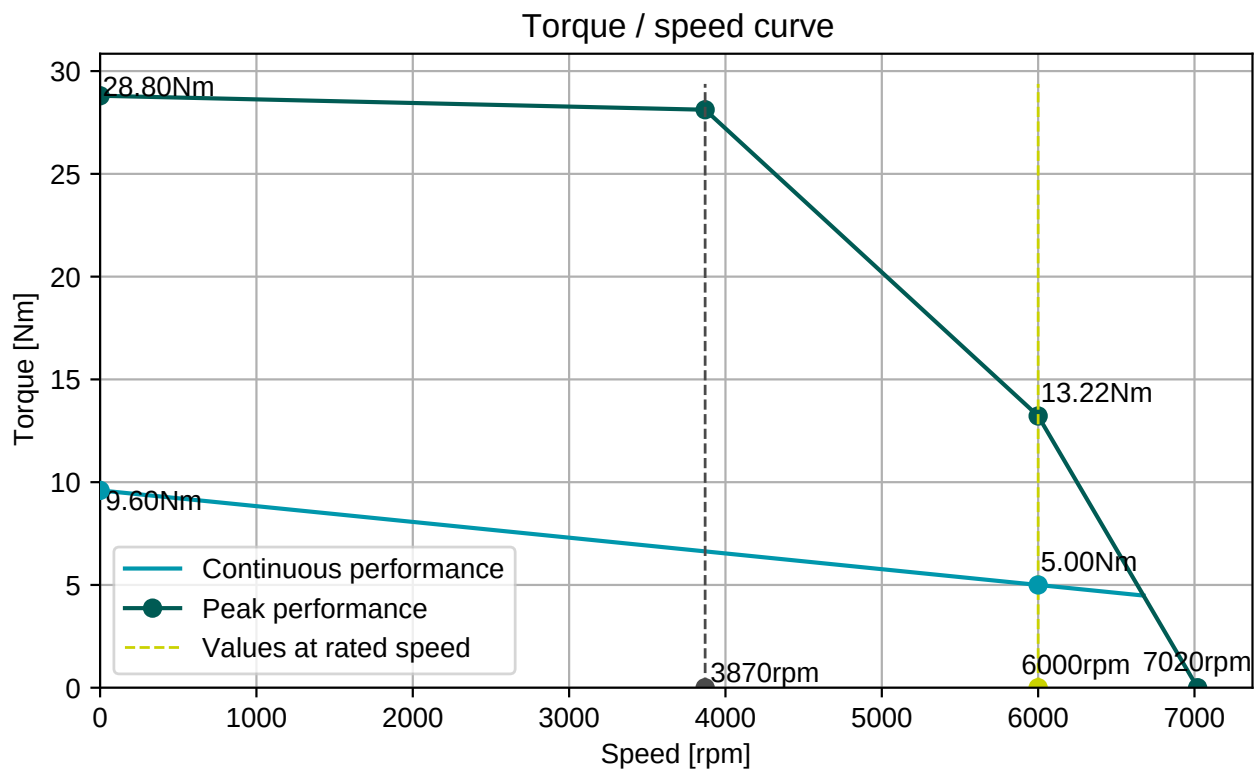
Mechanical data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.60 ms
Thermal time constant	35 min
Rotor inertia	4.49 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	104 N
Max. radial force 20kh	547 N*
Max. axial force 100kh	61 N
Max. radial force 100kh	320 N*

* Defined for point of action at ½ output shaft length

Sensors

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



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+

