

Engineering data (WIN 794)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	297 V AC (rms)
Rated power	3.7 kW
Rated speed	2000 rpm
Rated torque	17.50 Nm
Rated current	8.42 A (rms)
Peak torque	60 Nm
Peak current	28.3 A (rms)
Stall torque	20 Nm
Stall current	8.3 A (rms)
No load speed	2600 rpm
EMF constant ±10%	146 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.41 Nm / A (rms)
Torque constant ±10% @ rated load	2.08 Nm / A (rms)
Number of poles	10
Electrical time constant	8.92 ms
Winding terminal resistance	1.39 Ω
Rotary field terminal inductance	12.4 mH

Customs info

HS Code	85015220
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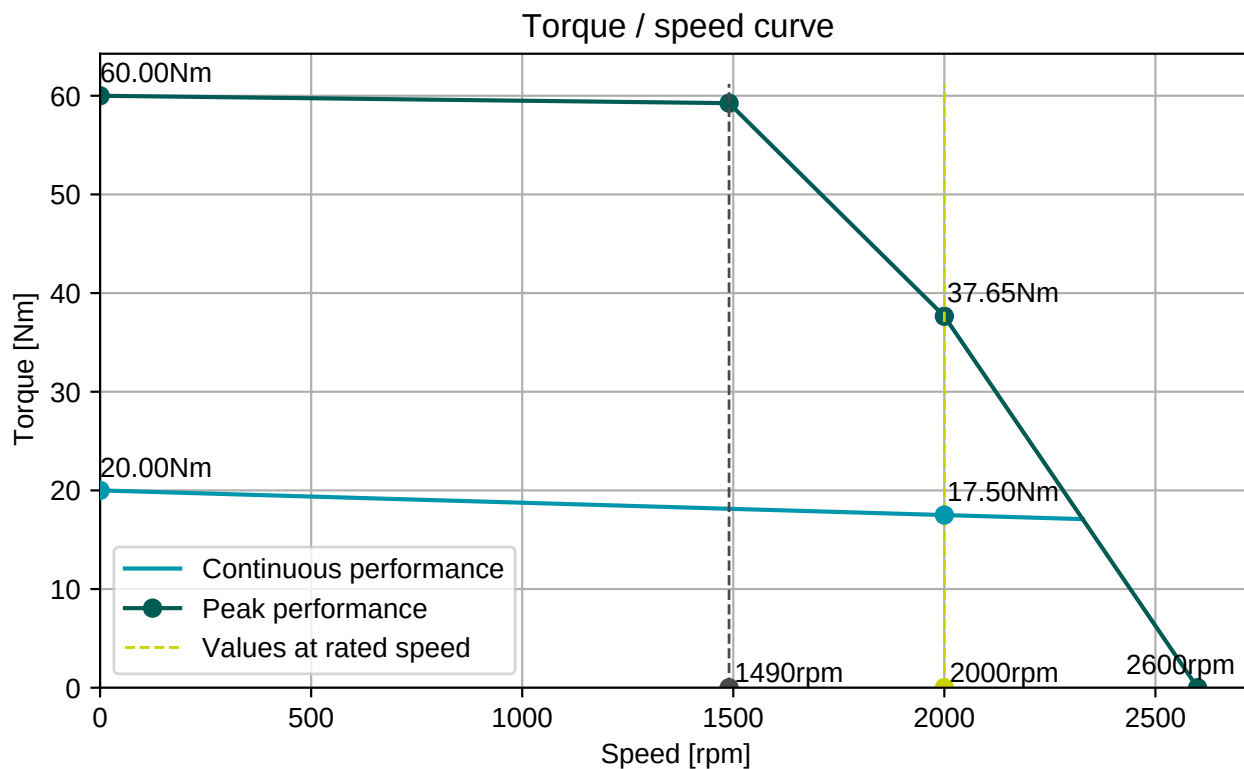
Mechanical data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.62 ms
Thermal time constant	65 min
Rotor inertia	15.1 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Ventilation 230V/50Hz
Motor-only mass	11.2 kg
Max. axial force 20kh	142 N
Max. radial force 20kh	746 N*
Max. axial force 100kh	83 N
Max. radial force 100kh	436 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+

