

Engineering data (WIN 833)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	257 V AC (rms)
Rated power	7.9 kW
Rated speed	3000 rpm
Rated torque	25.00 Nm
Rated current	20.1 A (rms)
Peak torque	120 Nm
Peak current	90.2 A (rms)
Stall torque	40 Nm
Stall current	26.3 A (rms)
No load speed	4130 rpm
EMF constant ±10%	92 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.52 Nm / A (rms)
Torque constant ±10% @ rated load	1.24 Nm / A (rms)
Number of poles	10
Electrical time constant	18.24 ms
Winding terminal resistance	0.17 Ω
Rotary field terminal inductance	3.1 mH

Customs info

HS Code	85015230
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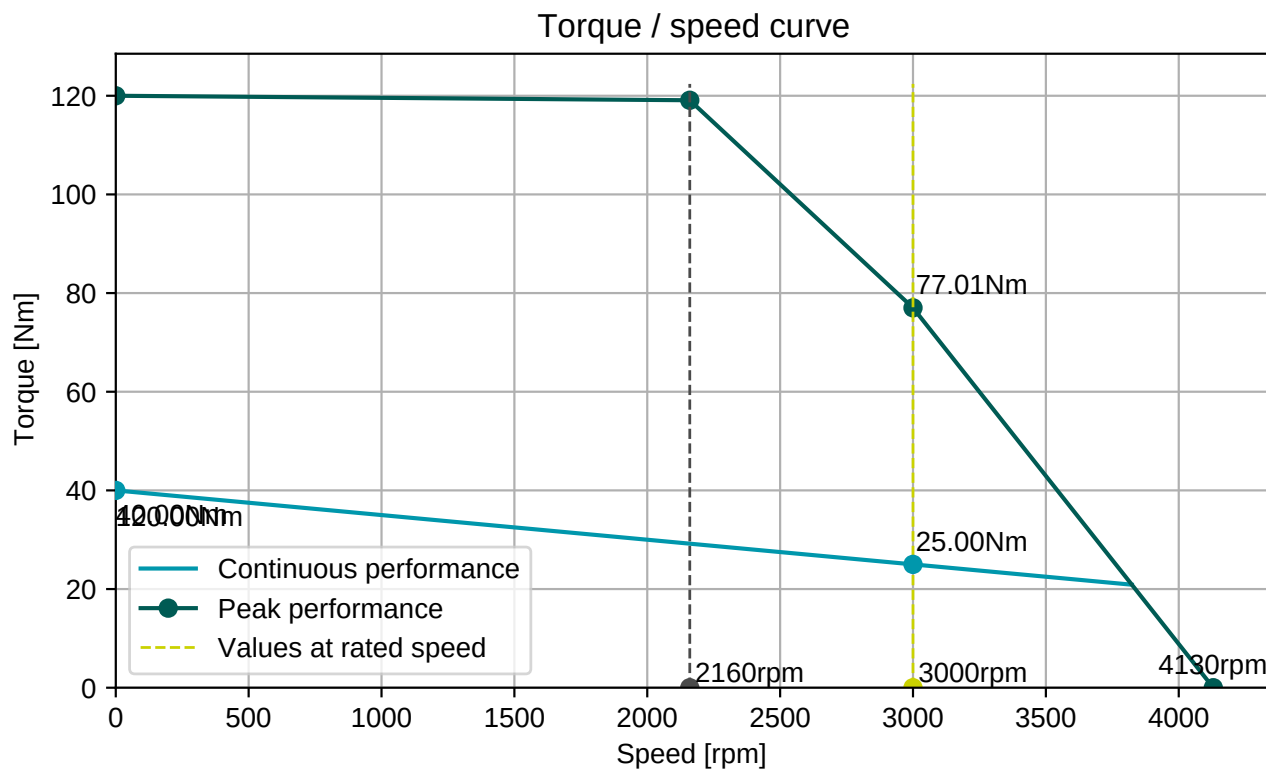
Mechanical data (setting 16)

Max mechanical speed	6000 rpm
Mech. time constant	0.88 ms
Thermal time constant	90 min
Rotor inertia	69 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	20.2 kg
Max. axial force 20kh	245 N
Max. radial force 20kh	1291 N*
Max. axial force 100kh	143 N
Max. radial force 100kh	755 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SRS50 (Hiperface) single-turn, 1024 sin/cos+12bits



BGC110N00001216000

M23, 8 poles, rotary



AGC113N00001215000

M23, 17 poles, rotary



Connector 1 (9)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (130)

1/9	SIN/REFSIN
3/11	COS/REFCOS
5/13	DATA/DATA-
4/2	Us/GND
14/7	Therm

