

Engineering data (WIN 1630)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	279 V AC (rms)
Rated power	1.1 kW
Rated speed	6000 rpm
Rated torque	1.80 Nm
Rated current	2.79 A (rms)
Peak torque	8.4 Nm
Peak current	14.1 A (rms)
Stall torque	2.8 Nm
Stall current	3.64 A (rms)
No load speed	8150 rpm
EMF constant ±10%	46.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.769 Nm / A (rms)
Torque constant ±10% @ rated load	0.645 Nm / A (rms)
Number of poles	10
Electrical time constant	2.53 ms
Winding terminal resistance	3.48 Ω
Rotary field terminal inductance	8.8 mH

Customs info

HS Code	85015220
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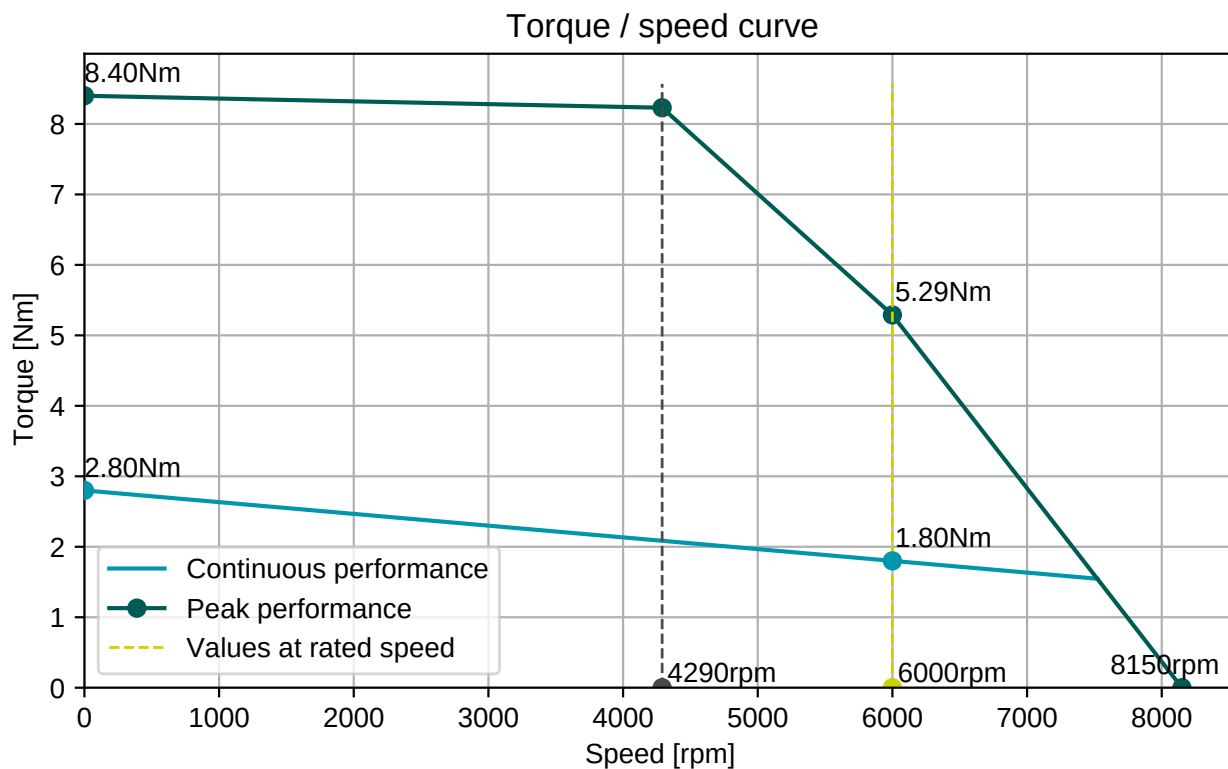
Mechanical data (setting 46)

Max mechanical speed	12000 rpm
Mech. time constant	0.82 ms
Thermal time constant	25 min
Rotor inertia	0.8 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2.5 kg
Max. axial force 20kh	54 N
Max. radial force 20kh	283 N*
Max. axial force 100kh	31 N
Max. radial force 100kh	165 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SKS36 (Hiperface) single-turn, 128 sin/cos


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

