

Engineering data (WIN 1606)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	245 V AC (rms)
Rated power	1.7 kW
Rated speed	8000 rpm
Rated torque	2.00 Nm
Rated current	4.46 A (rms)
Peak torque	10.5 Nm
Peak current	24.2 A (rms)
Stall torque	3.5 Nm
Stall current	6.7 A (rms)
No load speed	12050 rpm
EMF constant ±10%	31.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.521 Nm / A (rms)
Torque constant ±10% @ rated load	0.448 Nm / A (rms)
Number of poles	10
Electrical time constant	2.89 ms
Winding terminal resistance	1.122 Ω
Rotary field terminal inductance	3.24 mH

Customs info

HS Code	85015220
---------	----------

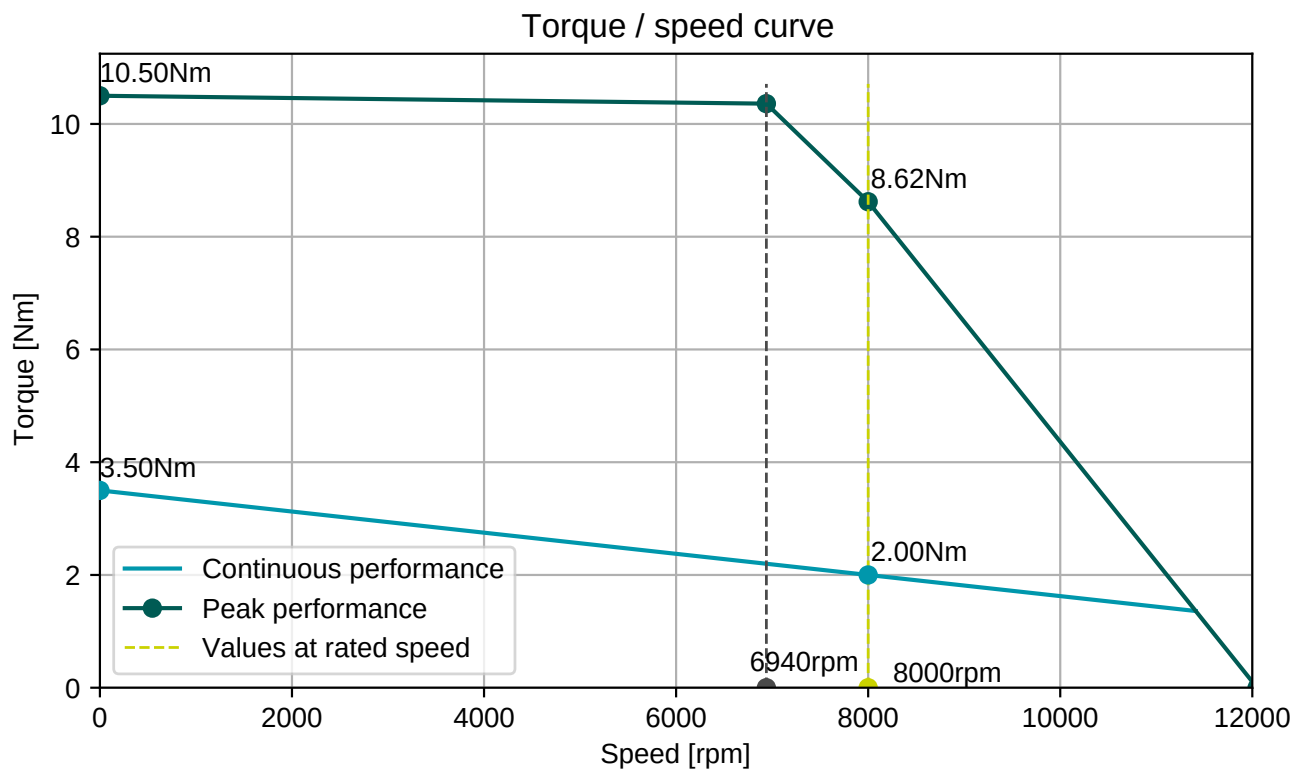
Mechanical data (setting 29)

Max mechanical speed	12000 rpm
Mech. time constant	0.74 ms
Thermal time constant	27 min
Rotor inertia	1.04 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	54 N
Max. radial force 20kh	283 N*
Max. axial force 100kh	32 N
Max. radial force 100kh	166 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	ECI1119 (EnDat 2.2) single-turn, 19 bits


BGC110N00001216000

M23, 8 poles, rotary


AGC052N00001215000

M23, 12 poles, rotary


Connector 1 (9)

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

Connector 2 (293)

1	Vcc (+5V)
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-
9	Vcc sensor
10	GND sensor

