

Engineering data (WIN 825)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	168 V AC (rms)
Rated power	1.9 kW
Rated speed	9000 rpm
Rated torque	2.00 Nm
Rated current	9.54 A (rms)
Peak torque	15.3 Nm
Peak current	63.7 A (rms)
Stall torque	5.1 Nm
Stall current	14 A (rms)
No load speed	17220 rpm
EMF constant ±10%	22 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.36 Nm / A (rms)
Torque constant ±10% @ rated load	0.21 Nm / A (rms)
Number of poles	10
Electrical time constant	5.33 ms
Winding terminal resistance	0.3 Ω
Rotary field terminal inductance	1.6 mH

Customs info

HS Code	85015220
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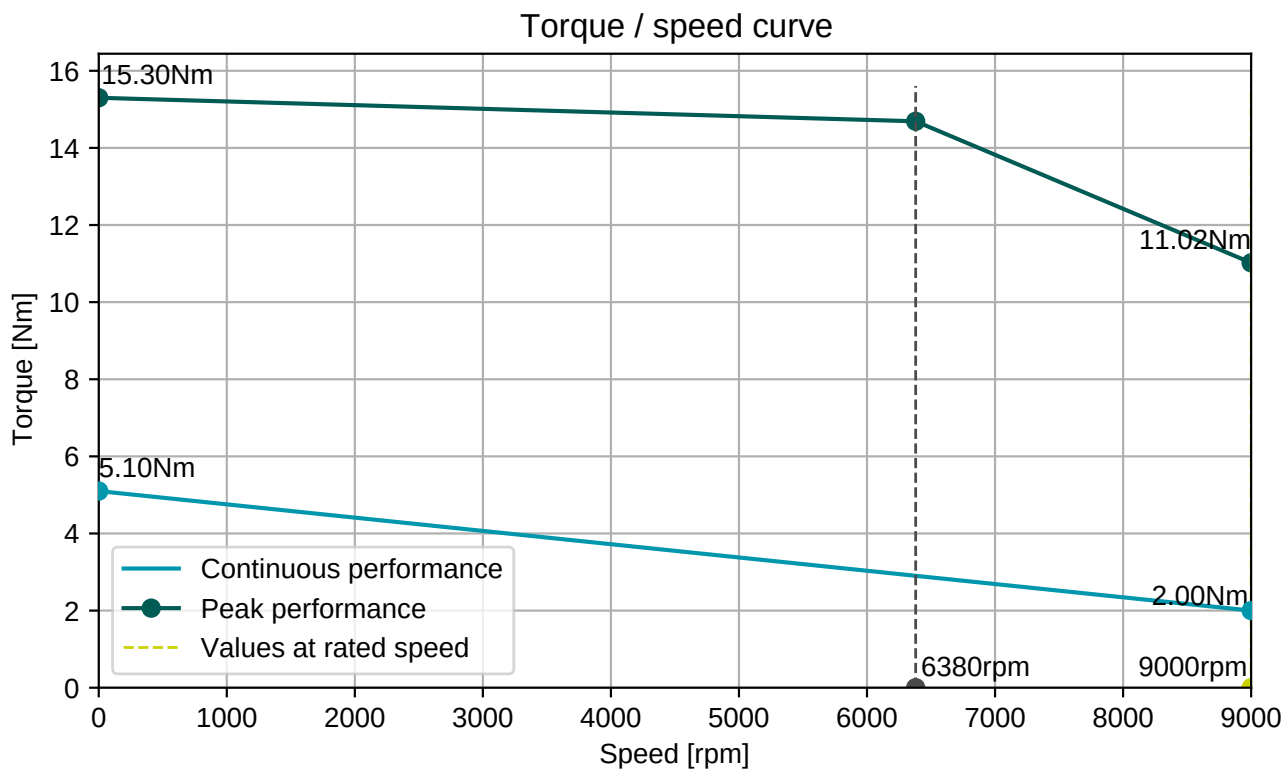
Mechanical data (setting 29)

Max mechanical speed	9000 rpm
Mech. time constant	0.80 ms
Thermal time constant	25 min
Rotor inertia	2.04 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	78 N
Max. radial force 20kh	413 N*
Max. axial force 100kh	46 N
Max. radial force 100kh	241 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

