

Engineering data (WIN 1307)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	296 V AC (rms)
Rated power	471 W
Rated speed	6000 rpm
Rated torque	0.75 Nm
Rated current	1.13 A (rms)
Peak torque	8.36 Nm
Peak current	11.2 A (rms)
Stall torque	2.2 Nm
Stall current	2.56 A (rms)
No load speed	7290 rpm
EMF constant ±10%	52 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.86 Nm / A (rms)
Torque constant ±10% @ rated load	0.66 Nm / A (rms)
Number of poles	10
Electrical time constant	1.67 ms
Winding terminal resistance	5.143 Ω
Rotary field terminal inductance	8.59 mH

Customs info

HS Code	85015100
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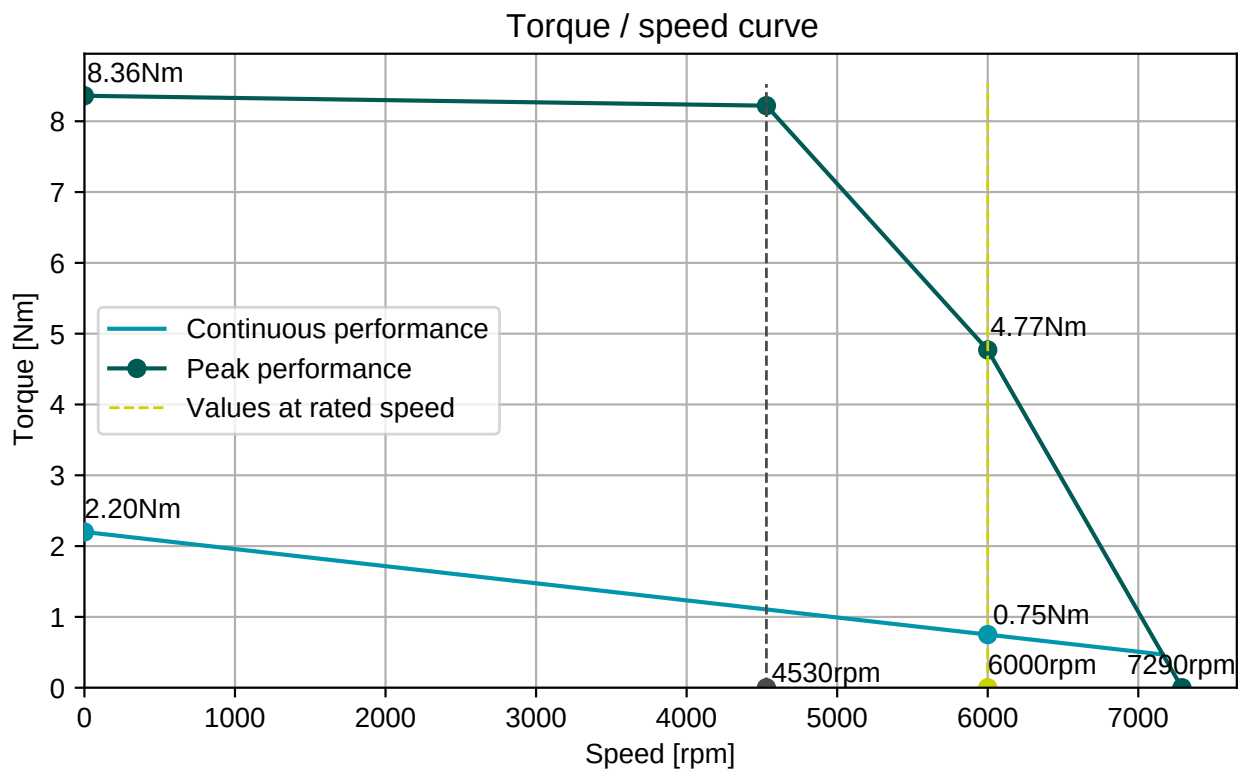
Mechanical data (setting 29)

Max mechanical speed	12000 rpm
Mech. time constant	1.02 ms
Thermal time constant	32 min
Rotor inertia	0.85 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2.2 kg
Max. axial force 20kh	49 N
Max. radial force 20kh	260 N*
Max. axial force 100kh	29 N
Max. radial force 100kh	152 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	ECI1118 (EnDat 2.1), single-turn, 16 imp. ot. 1 Vpp, 18 bits


BGC110N00001216000

M23, 8 poles, rotary


AGC113N00001215000

M23, 17 poles, rotary


Connector 1 (1)

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

Connector 2 (150)

1	Vcc sensor
4	GND sensor
7	Vcc (+5V)
8	CLOCK
9	CLOCK-
10	GND
12	B+
13	B-
14	DATA
15	A+
16	A-
17	DATA-

