

Engineering data (WIN 694)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	273 V AC (rms)
Rated power	1.8 kW
Rated speed	4500 rpm
Rated torque	3.90 Nm
Rated current	5.49 A (rms)
Peak torque	15.3 Nm
Peak current	24.7 A (rms)
Stall torque	5.1 Nm
Stall current	5.4 A (rms)
No load speed	6630 rpm
EMF constant ±10%	57 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.94 Nm / A (rms)
Torque constant ±10% @ rated load	0.71 Nm / A (rms)
Number of poles	10
Electrical time constant	5.47 ms
Winding terminal resistance	1.92 Ω
Rotary field terminal inductance	10.5 mH

Customs info

HS Code	85015220
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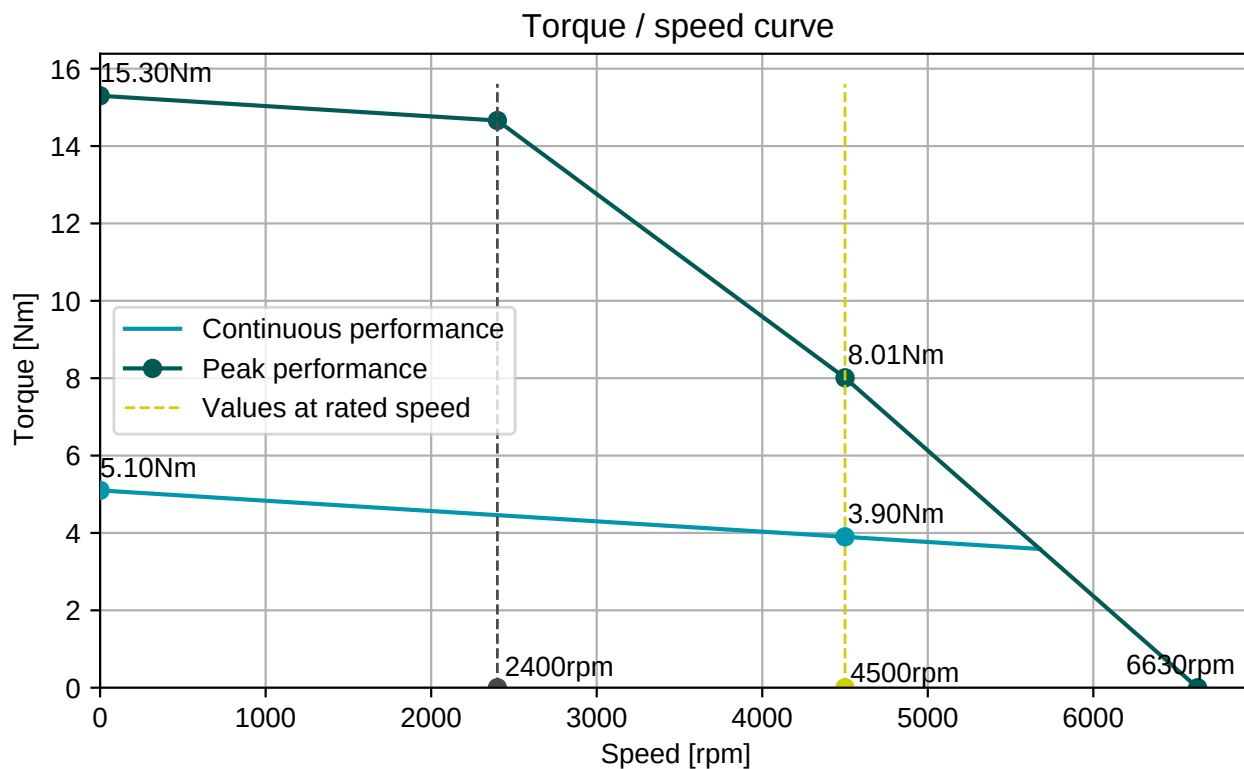
Mechanical data (setting 29)

Max mechanical speed	9000 rpm
Mech. time constant	0.76 ms
Thermal time constant	25 min
Rotor inertia	2.04 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	4.7 kg
Max. axial force 20kh	99 N
Max. radial force 20kh	520 N*
Max. axial force 100kh	58 N
Max. radial force 100kh	304 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-

