

Engineering data (WIN 745)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	172 V AC (rms)
Rated power	401 W
Rated speed	4500 rpm
Rated torque	0.85 Nm
Rated current	1.7 A (rms)
Peak torque	3.8 Nm
Peak current	8.4 A (rms)
Stall torque	0.95 Nm
Stall current	1.82 A (rms)
No load speed	6950 rpm
EMF constant ±10%	31.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.52 Nm / A (rms)
Torque constant ±10% @ rated load	0.50 Nm / A (rms)
Number of poles	6
Electrical time constant	1.46 ms
Winding terminal resistance	13.05 Ω
Rotary field terminal inductance	19 mH

Customs info

HS Code	85015100
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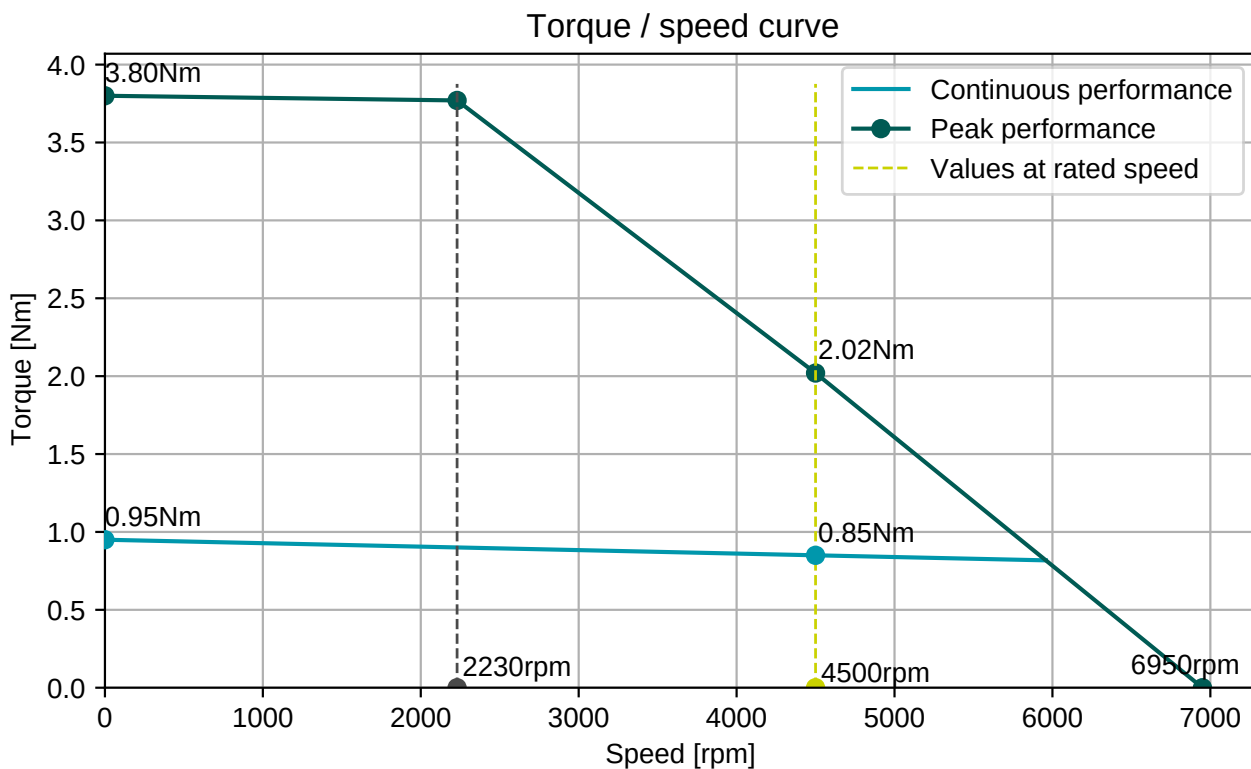
Mechanical data (setting 29)

Max mechanical speed	12000 rpm
Mech. time constant	0.92 ms
Thermal time constant	18 min
Rotor inertia	0.11 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.27 kg
Max. axial force 20kh	42 N
Max. radial force 20kh	222 N*
Max. axial force 100kh	25 N
Max. radial force 100kh	130 N*

* Defined for point of action at ½ output shaft length

Sensors

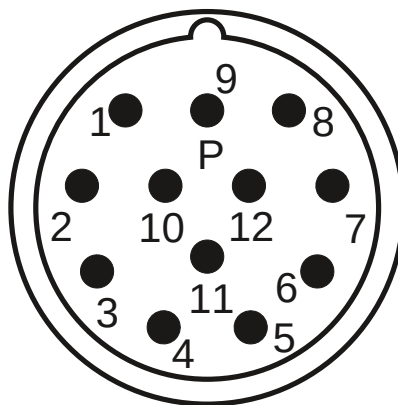
Temperature	PT1000 {PT1000}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits


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

