

Engineering data (WIN 1154)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	269 V AC (rms)
Rated power	8.5 kW
Rated speed	2000 rpm
Rated torque	40.40 Nm
Rated current	21.82 A (rms)
Peak torque	150 Nm
Peak current	78.9 A (rms)
Stall torque	50 Nm
Stall current	22.7 A (rms)
No load speed	2850 rpm
EMF constant ±10%	133 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.2 Nm / A (rms)
Torque constant ±10% @ rated load	1.9 Nm / A (rms)
Number of poles	10
Electrical time constant	19.60 ms
Winding terminal resistance	0.25 Ω
Rotary field terminal inductance	4.9 mH

Customs info

HS Code	85015230
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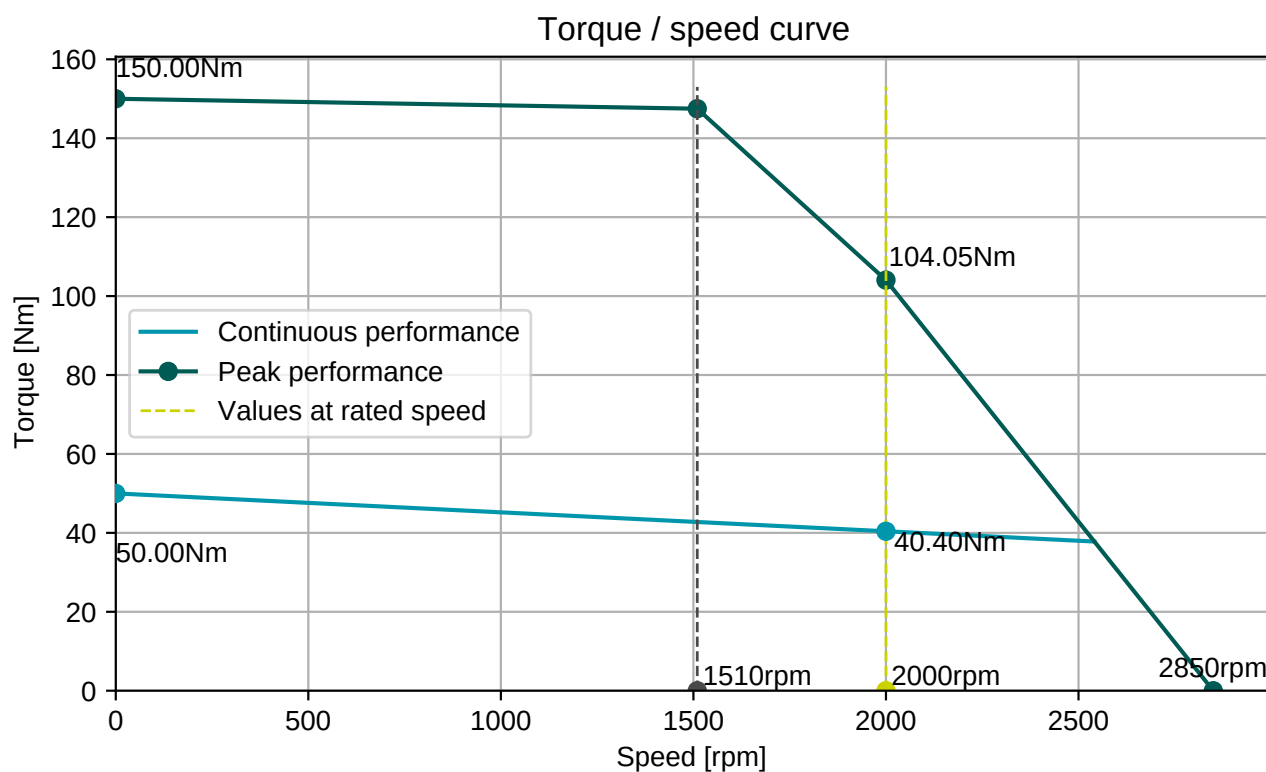
Mechanical data (setting 16)

Max mechanical speed	6000 rpm
Mech. time constant	0.79 ms
Thermal time constant	100 min
Rotor inertia	88 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	24 kg
Max. axial force 20kh	293 N
Max. radial force 20kh	1541 N*
Max. axial force 100kh	171 N
Max. radial force 100kh	901 N*

* Defined for point of action at ½ output shaft length

Sensors

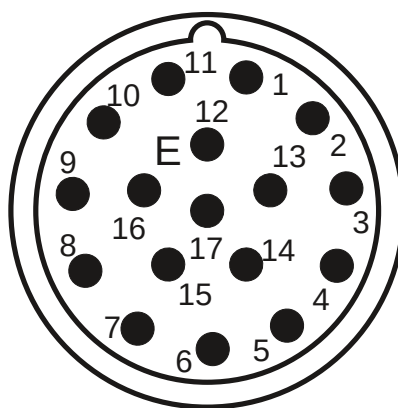
Temperature	PT1000 {PT1000}
Feedback	SRM50 (Hiperface) multi-turn, 1024 sin/cos+12bits


BGC110N00001216000

M23, 8 poles, rotary


AGC113N00001215000

M23, 17 poles, rotary


Connector 1 (9)

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

Connector 2 (130)

1/9	SIN/REFSIN
3/11	COS/REFCOS
5/13	DATA/DATA-
4/2	Us/GND
14/7	Therm

