

Engineering data (WIN 710)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	162 V AC (rms)
Rated power	1.9 kW
Rated speed	3000 rpm
Rated torque	6.10 Nm
Rated current	8.77 A (rms)
Peak torque	22.5 Nm
Peak current	40.7 A (rms)
Stall torque	7.5 Nm
Stall current	8.9 A (rms)
No load speed	4300 rpm
EMF constant ±10%	51 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.84 Nm / A (rms)
Torque constant ±10% @ rated load	0.70 Nm / A (rms)
Number of poles	10
Electrical time constant	6.32 ms
Winding terminal resistance	0.76 Ω
Rotary field terminal inductance	4.8 mH

Customs info

HS Code	85015220
---------	----------

Mechanical data (setting 46)

Max mechanical speed	9000 rpm
Mech. time constant	0.60 ms
Thermal time constant	30 min
Rotor inertia	3.26 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	5.1 kg
Max. axial force 20kh	125 N
Max. radial force 20kh	660 N*
Max. axial force 100kh	73 N
Max. radial force 100kh	386 N*

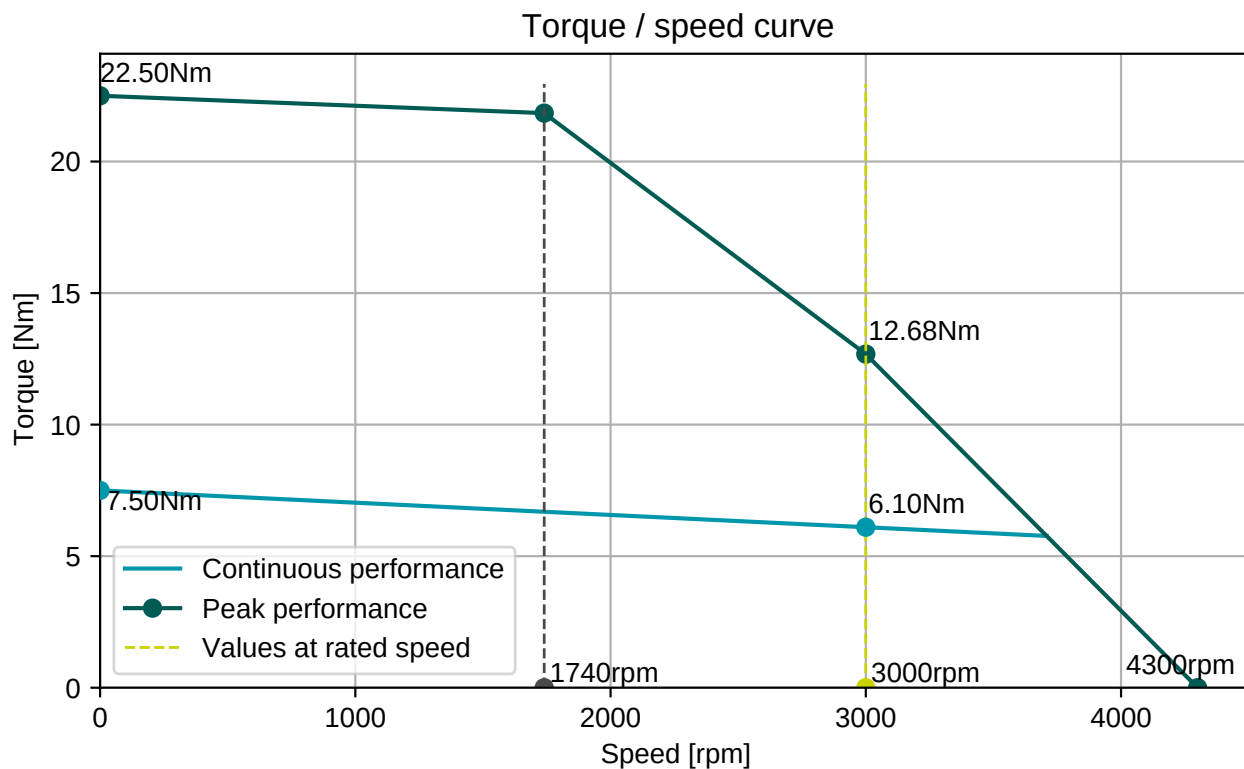
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits

Brake

Braking torque	9.00 Nm
Voltage	24 V DC
Power @20°C	18.0 W
Current @20°C	0.75 A
Inertia	0.60 kgcm ²
Mass	0.82 kg


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

