

Engineering data (WIN 712)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	161 V AC (rms)
Rated power	2.4 kW
Rated speed	3000 rpm
Rated torque	7.70 Nm
Rated current	10.84 A (rms)
Peak torque	28.8 Nm
Peak current	49.2 A (rms)
Stall torque	9.6 Nm
Stall current	10.7 A (rms)
No load speed	4060 rpm
EMF constant ±10%	54 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.89 Nm / A (rms)
Torque constant ±10% @ rated load	0.71 Nm / A (rms)
Number of poles	10
Electrical time constant	6.10 ms
Winding terminal resistance	0.59 Ω
Rotary field terminal inductance	3.6 mH

Customs info

HS Code	85015220
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Mechanical data (setting 46)

Max mechanical speed	9000 rpm
Mech. time constant	0.58 ms
Thermal time constant	35 min
Rotor inertia	4.49 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	7.2 kg
Max. axial force 20kh	131 N
Max. radial force 20kh	691 N*
Max. axial force 100kh	77 N
Max. radial force 100kh	404 N*

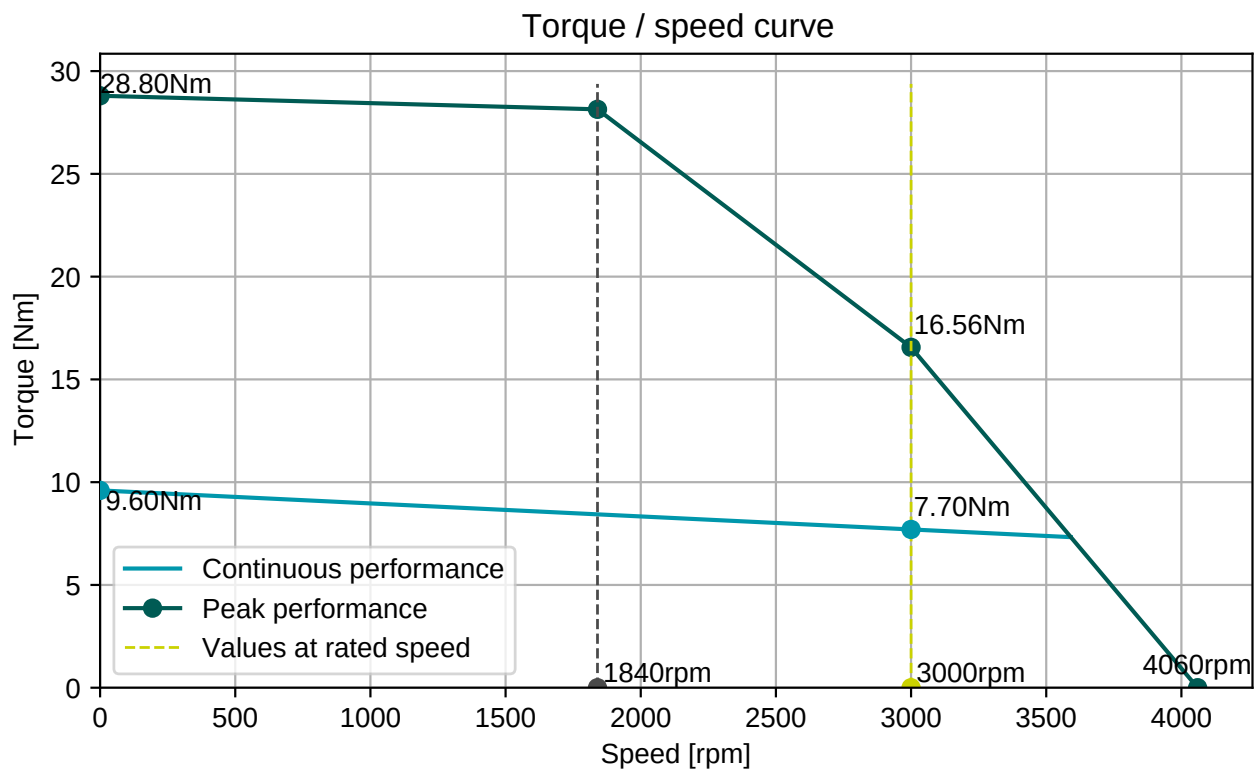
* Defined for point of action at ½ output shaft length

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

