

Engineering data (WIN 985)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	288 V AC (rms)
Rated power	5.3 kW
Rated speed	2000 rpm
Rated torque	25.30 Nm
Rated current	12.92 A (rms)
Peak torque	90 Nm
Peak current	45.9 A (rms)
Stall torque	30 Nm
Stall current	12.8 A (rms)
No load speed	2670 rpm
EMF constant ±10%	142 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.35 Nm / A (rms)
Torque constant ±10% @ rated load	1.96 Nm / A (rms)
Number of poles	10
Electrical time constant	14.60 ms
Winding terminal resistance	0.63 Ω
Rotary field terminal inductance	9.2 mH

Customs info

HS Code	85015220
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Mechanical data (setting 46)

Max mechanical speed	6000 rpm
Mech. time constant	0.65 ms
Thermal time constant	52 min
Rotor inertia	32.7 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	21 kg
Max. axial force 20kh	159 N
Max. radial force 20kh	839 N*
Max. axial force 100kh	93 N
Max. radial force 100kh	491 N*

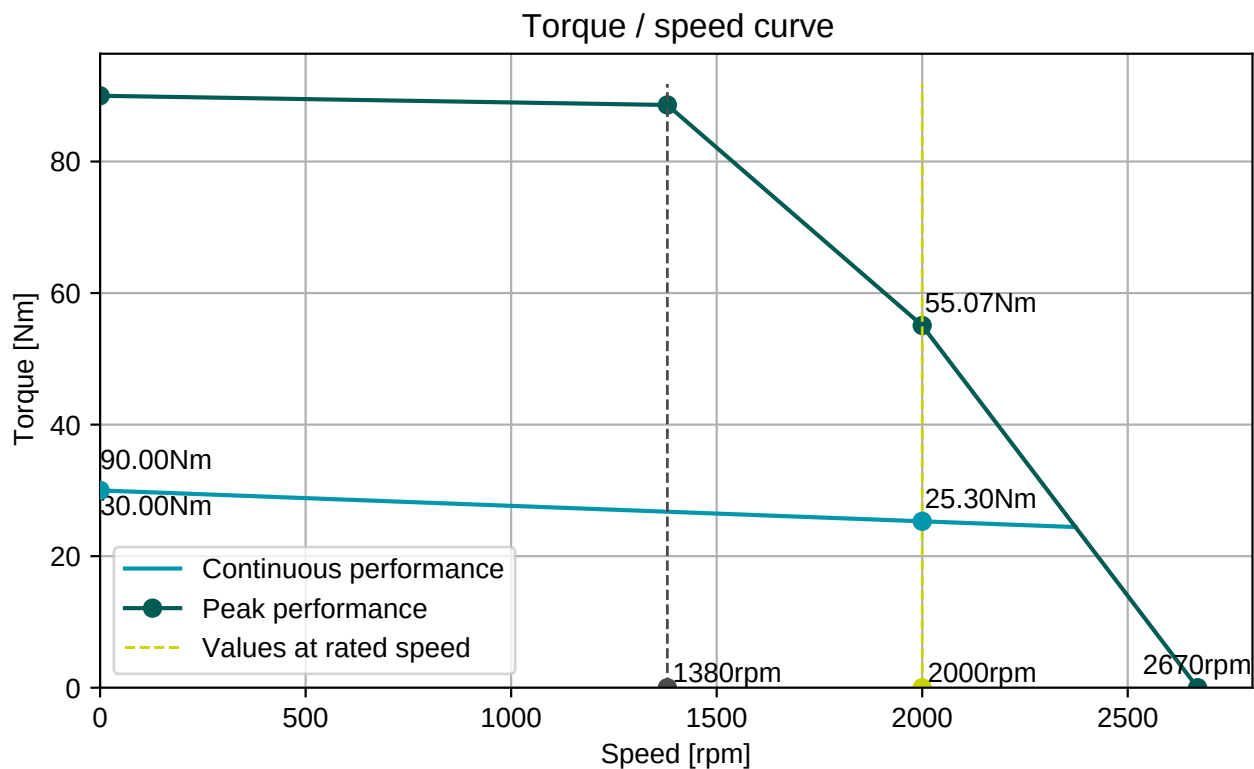
* Defined for point of action at ½ output shaft length

Sensors

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

Brake

Braking torque	36.00 Nm
Voltage	24 V DC
Power @20°C	26.0 W
Current @20°C	1.08 A
Inertia	6.20 kgcm ²
Mass	2.85 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

