

Engineering data (WIN 1621)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	167 V AC (rms)
Rated power	539 W
Rated speed	5000 rpm
Rated torque	1.03 Nm
Rated current	2.24 A (rms)
Peak torque	6.65 Nm
Peak current	14 A (rms)
Stall torque	1.75 Nm
Stall current	3.16 A (rms)
No load speed	6540 rpm
EMF constant ±10%	33.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.554 Nm / A (rms)
Torque constant ±10% @ rated load	0.460 Nm / A (rms)
Number of poles	10
Electrical time constant	1.43 ms
Winding terminal resistance	3.607 Ω
Rotary field terminal inductance	5.17 mH

Customs info

HS Code	85015100
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Mechanical data (setting 49)

Max mechanical speed	12000 rpm
Mech. time constant	1.38 ms
Thermal time constant	28 min
Rotor inertia	0.68 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2.4 kg
Max. axial force 20kh	54 N
Max. radial force 20kh	283 N*
Max. axial force 100kh	31 N
Max. radial force 100kh	165 N*

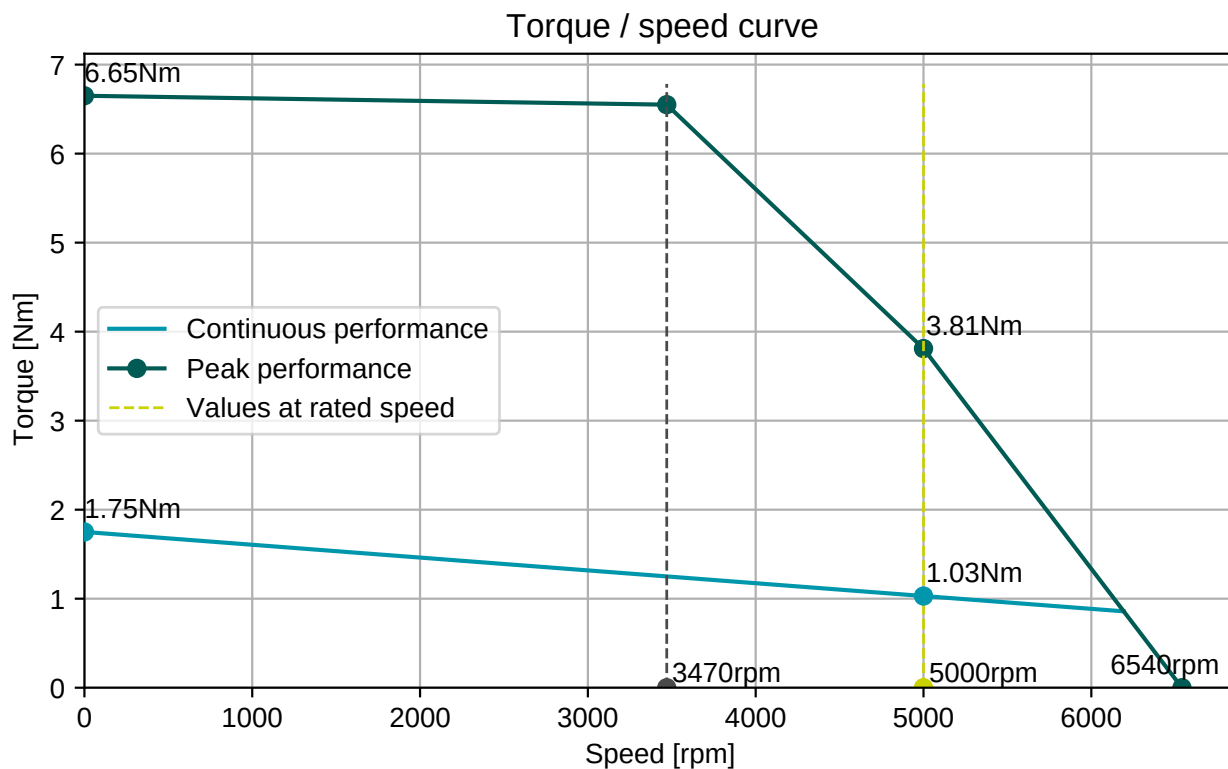
* Defined for point of action at ½ output shaft length

Sensors

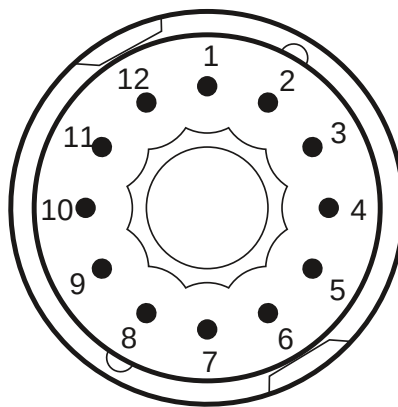
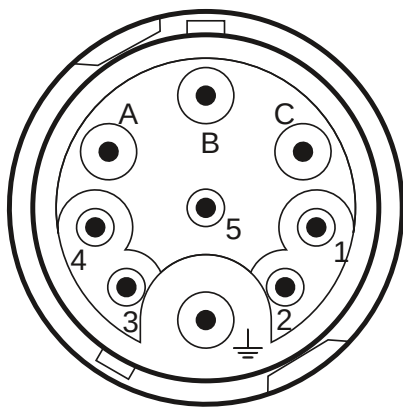
Temperature	PT1000 {PT1000}
Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits

Brake

Braking torque	4.50 Nm
Voltage	24 V DC
Power @20°C	12.0 W
Current @20°C	0.50 A
Inertia	0.20 kgcm ²
Mass	0.47 kg



EGA101N00000001000
 2x M15, 9 and 12 poles rotary



Connector 1 (226)

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

Connector 2 (208)

1	Us
2	GND
3	+ COS
4	REFCOS
5	REFSIN
6	+ SIN
7	Therm+
8	Therm-
9	Data +
10	Data -

