

Engineering data (WIN 911)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	153 V AC (rms)
Rated power	597 W
Rated speed	3000 rpm
Rated torque	1.90 Nm
Rated current	3.06 A (rms)
Peak torque	6.15 Nm
Peak current	12.7 A (rms)
Stall torque	2.05 Nm
Stall current	2.79 A (rms)
No load speed	4920 rpm
EMF constant ±10%	44.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.74 Nm / A (rms)
Torque constant ±10% @ rated load	0.62 Nm / A (rms)
Number of poles	10
Electrical time constant	2.53 ms
Winding terminal resistance	5.26 Ω
Rotary field terminal inductance	13.3 mH

Certifications & customs info

HS Code	85015100
UL isolation	Compliant

Mechanical data (setting 6)

Max mechanical speed	12000 rpm
Mech. time constant	0.92 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2.2 kg

Sensors

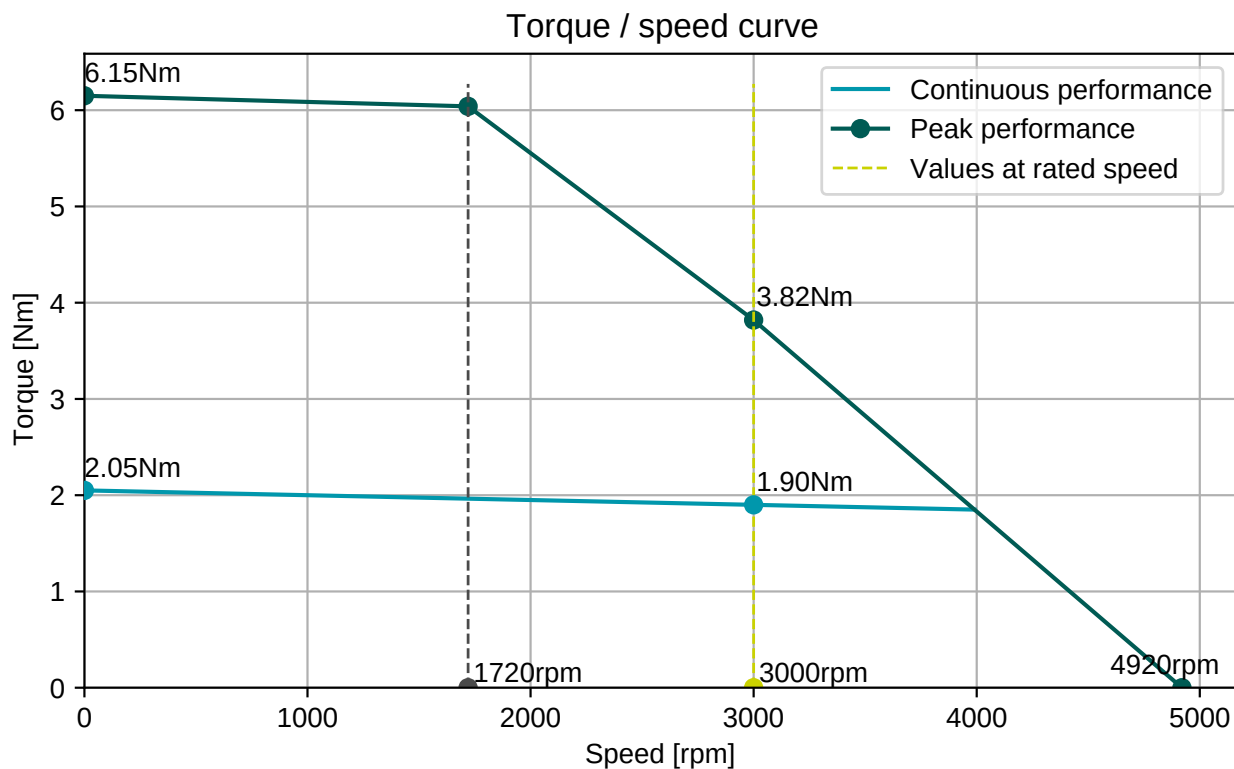
Temperature	PT1000 {PT1000}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits

Brake

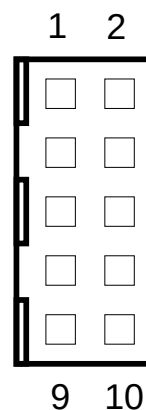
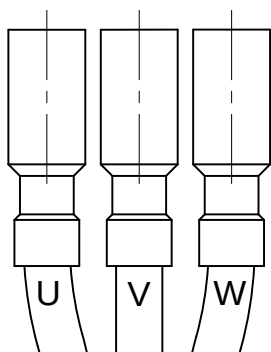
Braking torque	4.50 Nm
Voltage	24 V DC
Power @20°C	12.0 W
Current @20°C	0.50 A
Inertia	0.20 kgcm ²
Mass	0.47 kg

Note

- Encoder+temperature sensor+brake wires, (including connector) – length 70 mm from B-flange
- U, V, W including connectors - length 65mm from B-flange



Female Bullet Terminal - size 4



Connector 1 (55)

white U
blue V
red W

Wires ends assembled by round Female Bullet Terminal - H4 (Rundsteckhülse spritzwassergeschützt - H4)

Connector 2 (475)

1 GND
2 Vcc (+5V)
3 CLOCK-
4 CLOCK
5 DATA-
6 DATA
7 Brake+
8 Brake-
9 Therm-
10 Therm+

