

Engineering data (WIN 613)

DC bus voltage	24 V DC
Nominal AC voltage	16 V AC (rms)
Rated voltage	16 V AC (rms)
Rated power	154 W
Rated speed	3000 rpm
Rated torque	0.49 Nm
Rated current	8.1 A (rms)
Peak torque	2 Nm
Peak current	34.3 A (rms)
Stall torque	0.53 Nm
Stall current	8.5 A (rms)
No load speed	4180 rpm
EMF constant ±10%	3.8 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.06 Nm / A (rms)
Torque constant ±10% @ rated load	0.06 Nm / A (rms)
Number of poles	6
Electrical time constant	2.11 ms
Winding terminal resistance	0.38 Ω
Rotary field terminal inductance	0.8 mH

Customs info

HS Code	85015100
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Mechanical data (setting 6)

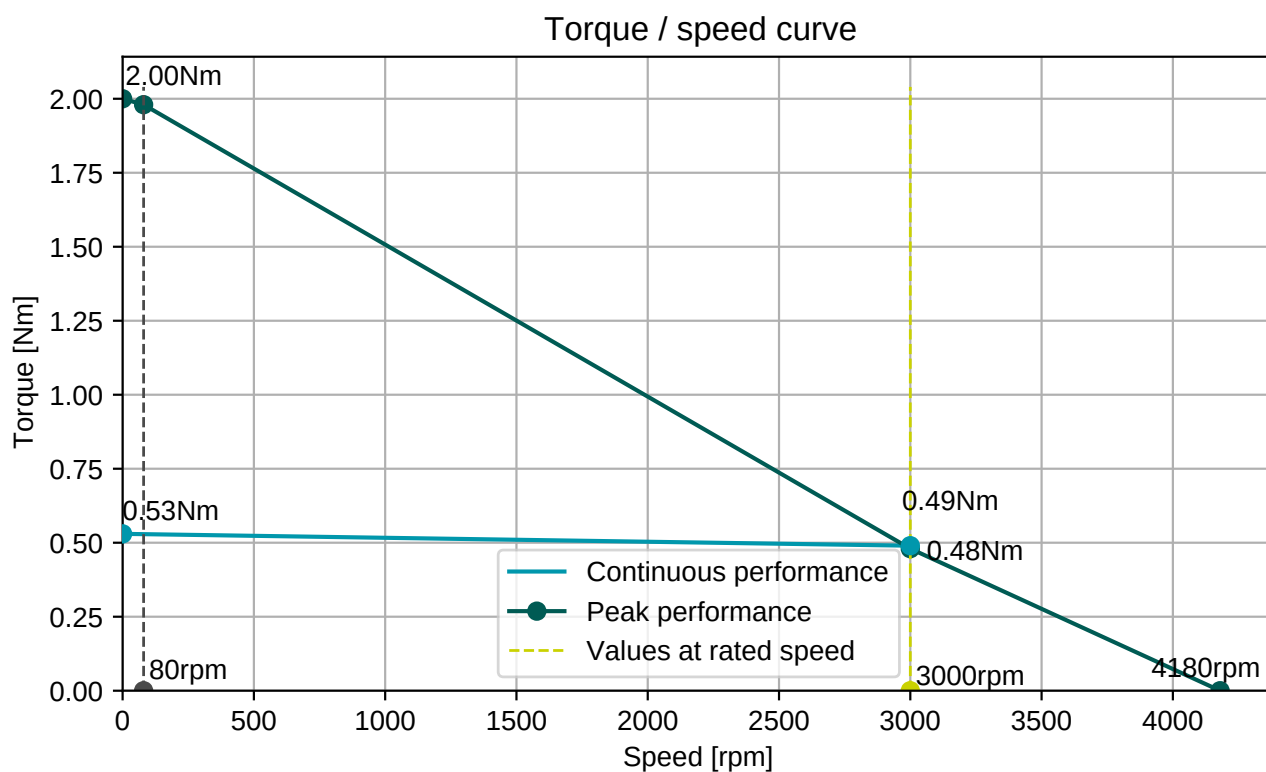
Max mechanical speed	12000 rpm
Mech. time constant	1.33 ms
Thermal time constant	15 min
Rotor inertia	0.08 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	0.9 kg

Sensors

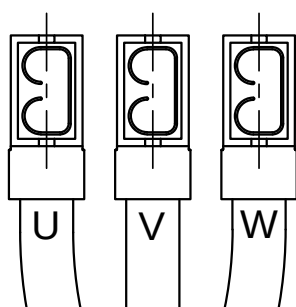
Temperature	KTY 84-130 {KTY 84-130 Reissmann}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

Note

- Resolver+temperature sensor+brake wires (including connector) – length 90 mm
- U, V, W (including connectors) - length 55 mm



Female Angled Terminal



Connector 1 (171)

white U
blue V
red W

Wires ends assembled by round Female Right Angled Terminal

Connector 2 (214)

1 S1
2 S3
3 S4
4 S2
5 R2
6 R1
7 +24V Bremse
8 Bremse
9 Temp. Sensor-
10 Temp. Sensor+

