

Engineering data (WIN 628)

DC bus voltage	24 V DC
Nominal AC voltage	15 V AC (rms)
Rated voltage	11 V AC (rms)
Rated power	79 W
Rated speed	3000 rpm
Rated torque	0.25 Nm
Rated current	7.54 A (rms)
Peak torque	1 Nm
Peak current	30.8 A (rms)
Stall torque	0.26 Nm
Stall current	7.5 A (rms)
No load speed	7000 rpm
EMF constant ±10%	2.1 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.03 Nm / A (rms)
Torque constant ±10% @ rated load	0.03 Nm / A (rms)
Number of poles	6
Electrical time constant	1.62 ms
Winding terminal resistance	0.37 Ω
Rotary field terminal inductance	0.6 mH

Customs info

HS Code	85015100
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Mechanical data (setting 6)

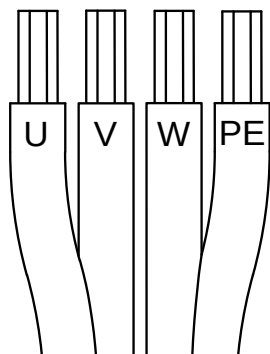
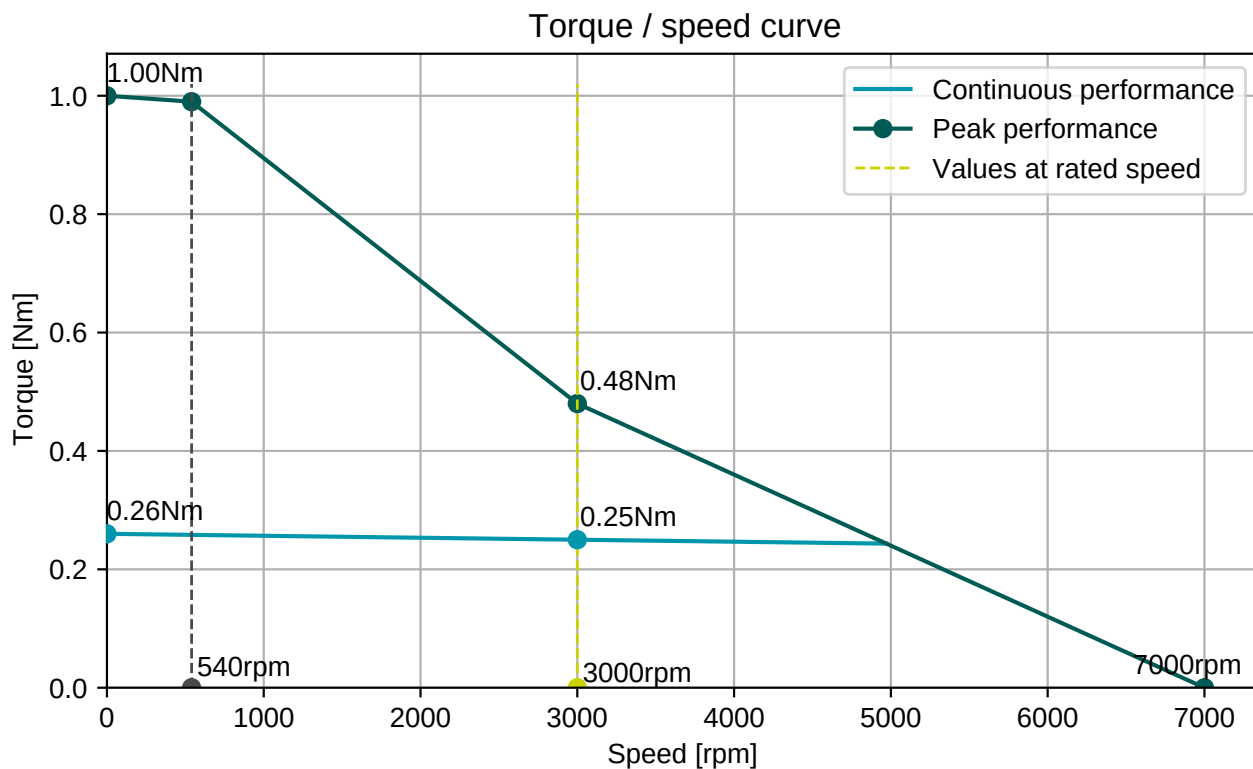
Max mechanical speed	12000 rpm
Mech. time constant	3.19 ms
Thermal time constant	13 min
Rotor inertia	0.06 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	0.75 kg

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 - length 85 mm



Connector 1 (244)

white	U
blue	V
red	W
green/yellow	PE (GND)

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+

