

Engineering data (WIN 1434)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	135 V AC (rms)
Rated power	754 W
Rated speed	3000 rpm
Rated torque	2.40 Nm
Rated current	4.07 A (rms)
Peak torque	8.4 Nm
Peak current	15.8 A (rms)
Stall torque	2.8 Nm
Stall current	4.08 A (rms)
No load speed	5280 rpm
EMF constant ±10%	41.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.686 Nm / A (rms)
Torque constant ±10% @ rated load	0.590 Nm / A (rms)
Number of poles	10
Electrical time constant	2.50 ms
Winding terminal resistance	2.8 Ω
Rotary field terminal inductance	7.01 mH

Certifications & customs info

HS Code	85015220
UL isolation	Compliant

Mechanical data (setting 6)

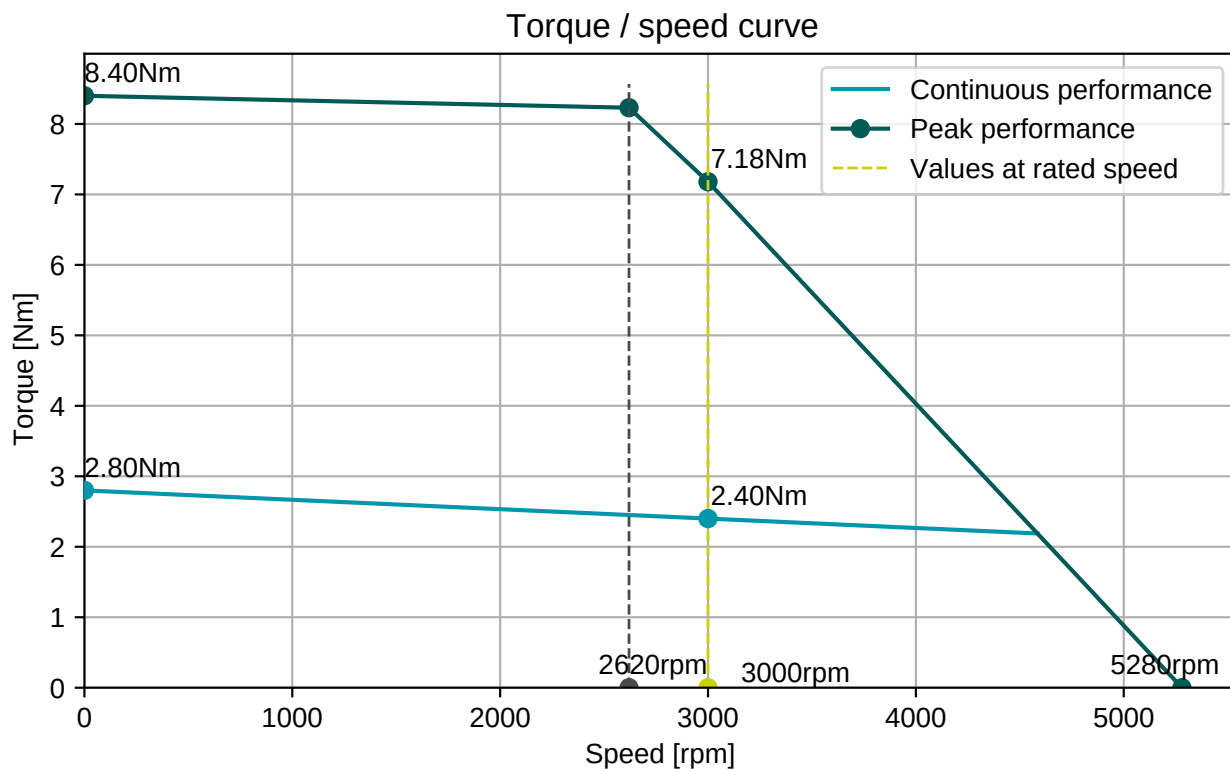
Max mechanical speed	12000 rpm
Mech. time constant	0.82 ms
Thermal time constant	25 min
Rotor inertia	0.8 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2.15 kg

Sensors

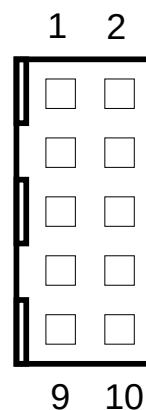
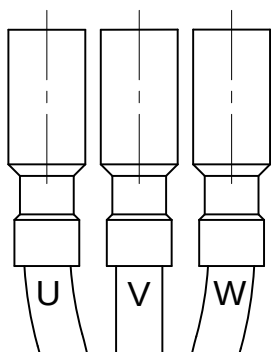
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (TAMAGAWA-TS2620N21E11)

Note

- Resolver+temperature sensor+brake wires, (including connector) – length 70 mm from B-flange
- Resolver wires entangled in a braid and covered by tube
- 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 (170)

1 S1 (red)
2 S3 (black)
3 S4 (blue)
4 S2 (yellow)
5 R2 (yellow/white)
6 R1 (red/white)
7 Brake+
8 Brake-
9 Therm-
10 Therm+

