

Engineering data (WIN -100103)

DC bus voltage	24 V DC
Nominal AC voltage	17 V AC (rms)
Rated voltage	14 V AC (rms)
Rated power	188 W
Rated speed	1000 rpm
Rated torque	1.80 Nm
Rated current	12.27 A (rms)
Peak torque	5.2 Nm
Peak current	47.19 A (rms)
Stall torque	1.9 Nm
Stall current	11.77 A (rms)
No load speed	1720 rpm
EMF constant ±10%	9.8 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.16 Nm / A (rms)
Torque constant ±10% @ rated load	0.15 Nm / A (rms)
Number of poles	10
Electrical time constant	2.52 ms
Winding terminal resistance	0.27 Ω
Rotary field terminal inductance	0.68 mH

Customs info

HS Code	85015100
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Mechanical data (setting 0)

Max mechanical speed	12000 rpm
Mech. time constant	1.25 ms
Thermal time constant	28 min
Rotor inertia	0.7 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection

Sensors

Temperature	PT1000 {PT1000}
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Note

We assume BISS-C. The resolution should be specified.



