

Engineering data (WIN 1615)

DC bus voltage	18 V DC
Nominal AC voltage	12 V AC (rms)
Rated voltage	10 V AC (rms)
Rated power	205 W
Rated speed	4000 rpm
Rated torque	0.49 Nm
Rated current	17.51 A (rms)
Peak torque	2.16 Nm
Peak current	82.5 A (rms)
Stall torque	0.54 Nm
Stall current	17.9 A (rms)
No load speed	6480 rpm
EMF constant ±10%	1.82 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	1.27 ms
Winding terminal resistance	0.11 Ω
Rotary field terminal inductance	0.14 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.47 ms
Thermal time constant	12 min
Rotor inertia	0.07 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	0.9 kg
Max. axial force 20kh	44 N
Max. radial force 20kh	231 N*
Max. axial force 100kh	26 N
Max. radial force 100kh	135 N*

* Defined for point of action at ½ output shaft length

Sensors

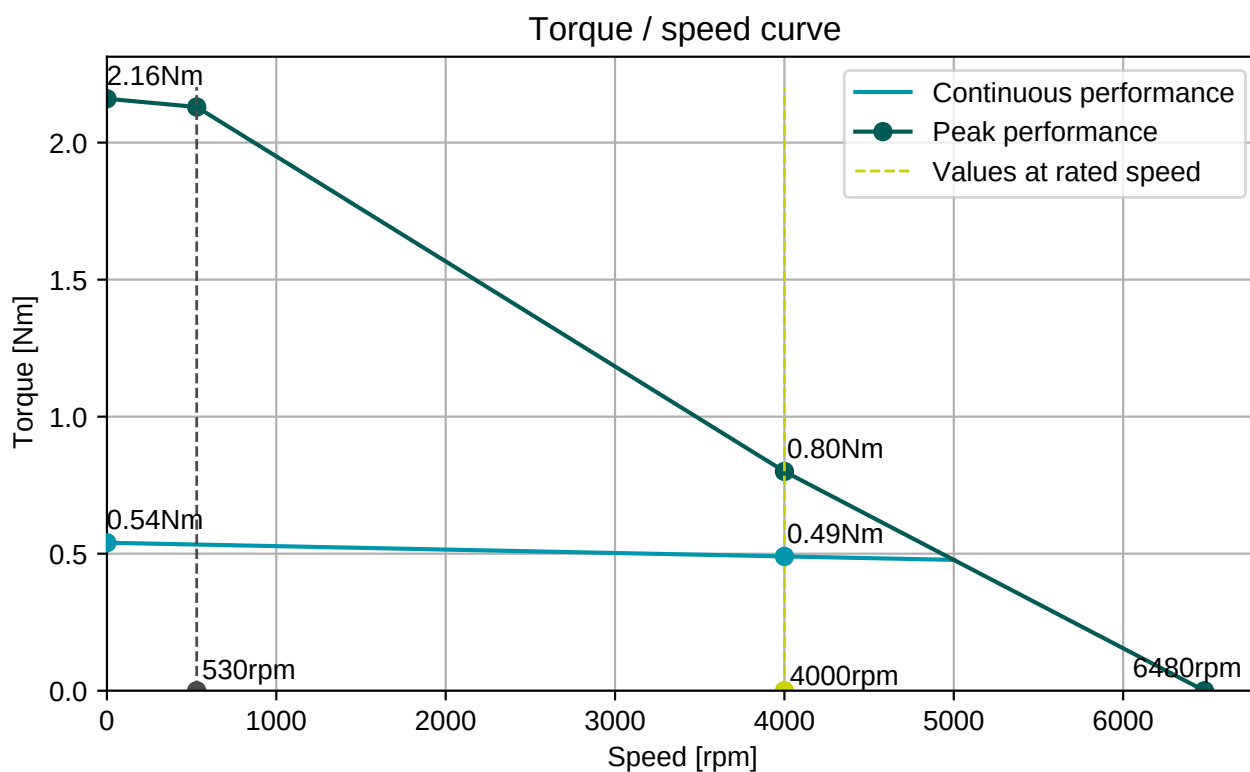
Temperature	PT1000 {PT1000}
Feedback	EES37 (HDSL) single-turn, 17 bits

Brake

Braking torque	2.00 Nm
Voltage	24 V DC
Power @20°C	11.0 W
Current @20°C	0.46 A
Inertia	0.08 kgcm ²
Mass	0.20 kg

Note

The winding of the motor has rated current 17.51 A. Power connector is rated only for 14 A. The motor can be operated only with continuous current limited to 14 A in servoamplifier. Otherwise the power connector could be burned.


EGA201N00000800000

M15, 9 poles, rotary


Connector 1 (304)

A	U
B	V
C	W
PE	PE
1	Brake+
2	Brake-
3	+Us/DSL+
4	GND/DSL-

