

Engineering data (WIN 1007)

DC bus voltage	36 V DC
Nominal AC voltage	25 V AC (rms)
Rated voltage	20 V AC (rms)
Rated power	314 W
Rated speed	1500 rpm
Rated torque	2.00 Nm
Rated current	13.48 A (rms)
Peak torque	6.15 Nm
Peak current	50.2 A (rms)
Stall torque	2.05 Nm
Stall current	12.4 A (rms)
No load speed	2480 rpm
EMF constant ±10%	10 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.17 Nm / A (rms)
Torque constant ±10% @ rated load	0.15 Nm / A (rms)
Number of poles	10
Electrical time constant	2.59 ms
Winding terminal resistance	0.27 Ω
Rotary field terminal inductance	0.7 mH

Customs info

HS Code	85015100
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Mechanical data (setting 5)

Max mechanical speed	12000 rpm
Mech. time constant	0.94 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	88 N
Max. radial force 20kh	465 N*
Max. axial force 100kh	52 N
Max. radial force 100kh	272 N*

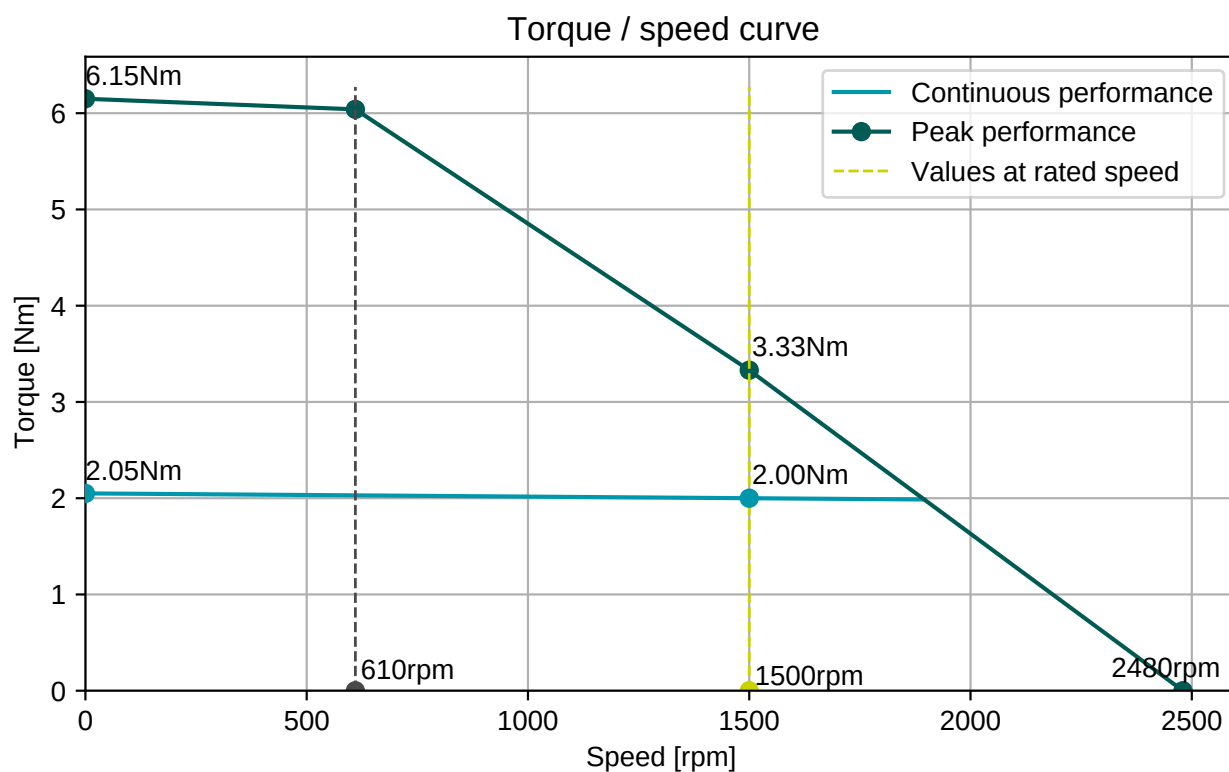
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

Note

The winding of the motor has rated current 13.48 A. Power cable is rated only for 10 A. The motor can be operated only with continuous current limited to 10 A in servoamplifier. Otherwise the power cable could be burned.


Cable SF4x1,5, D=9,6±0,4mm
Cable R4x2x0,25, D=6,8±0,4mm

Connector 1 (21)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-

Numbers printed on the cables

Connector 2 (22)	
white	R1
brown	R2
grey	S1
green	S2
pink	S3
yellow	S4
red	Therm+
blue	Therm-

