

Engineering data (WIN 1034)

DC bus voltage	48 V DC
Nominal AC voltage	32 V AC (rms)
Rated voltage	25 V AC (rms)
Rated power	223 W
Rated speed	3000 rpm
Rated torque	0.71 Nm
Rated current	7.71 A (rms)
Peak torque	3 Nm
Peak current	35.5 A (rms)
Stall torque	0.75 Nm
Stall current	7.7 A (rms)
No load speed	5390 rpm
EMF constant ±10%	5.9 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.1 Nm / A (rms)
Torque constant ±10% @ rated load	0.1 Nm / A (rms)
Number of poles	6
Electrical time constant	1.29 ms
Winding terminal resistance	0.7 Ω
Rotary field terminal inductance	0.9 mH

Customs info

HS Code	85015100
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Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	1.15 ms
Thermal time constant	12 min
Rotor inertia	0.09 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.35 kg
Max. axial force 20kh	49 N
Max. radial force 20kh	260 N*
Max. axial force 100kh	29 N
Max. radial force 100kh	152 N*

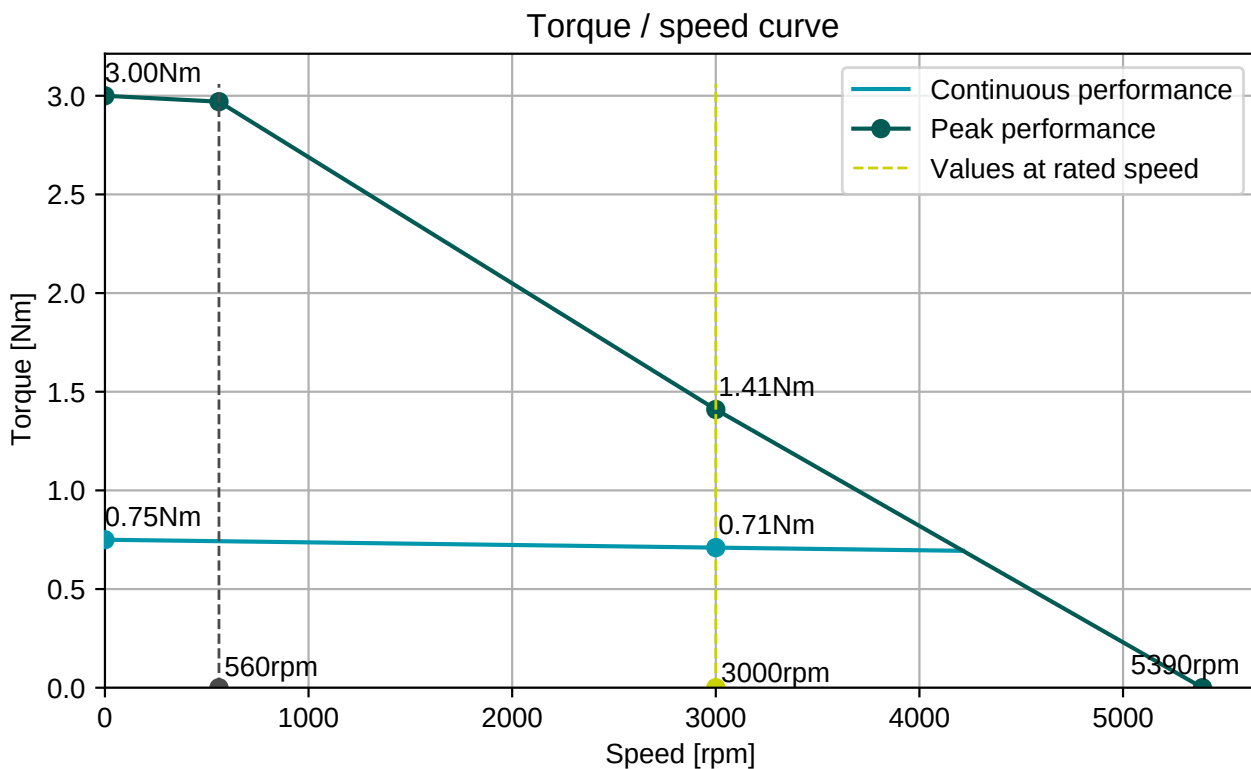
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 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


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-

