

Engineering data (WIN 706)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	156 V AC (rms)
Rated power	942 W
Rated speed	3000 rpm
Rated torque	3.00 Nm
Rated current	4.31 A (rms)
Peak torque	10.5 Nm
Peak current	19.4 A (rms)
Stall torque	3.5 Nm
Stall current	4.23 A (rms)
No load speed	4390 rpm
EMF constant ±10%	50 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.83 Nm / A (rms)
Torque constant ±10% @ rated load	0.70 Nm / A (rms)
Number of poles	10
Electrical time constant	2.88 ms
Winding terminal resistance	2.81 Ω
Rotary field terminal inductance	8.1 mH

Customs info

HS Code	85015220
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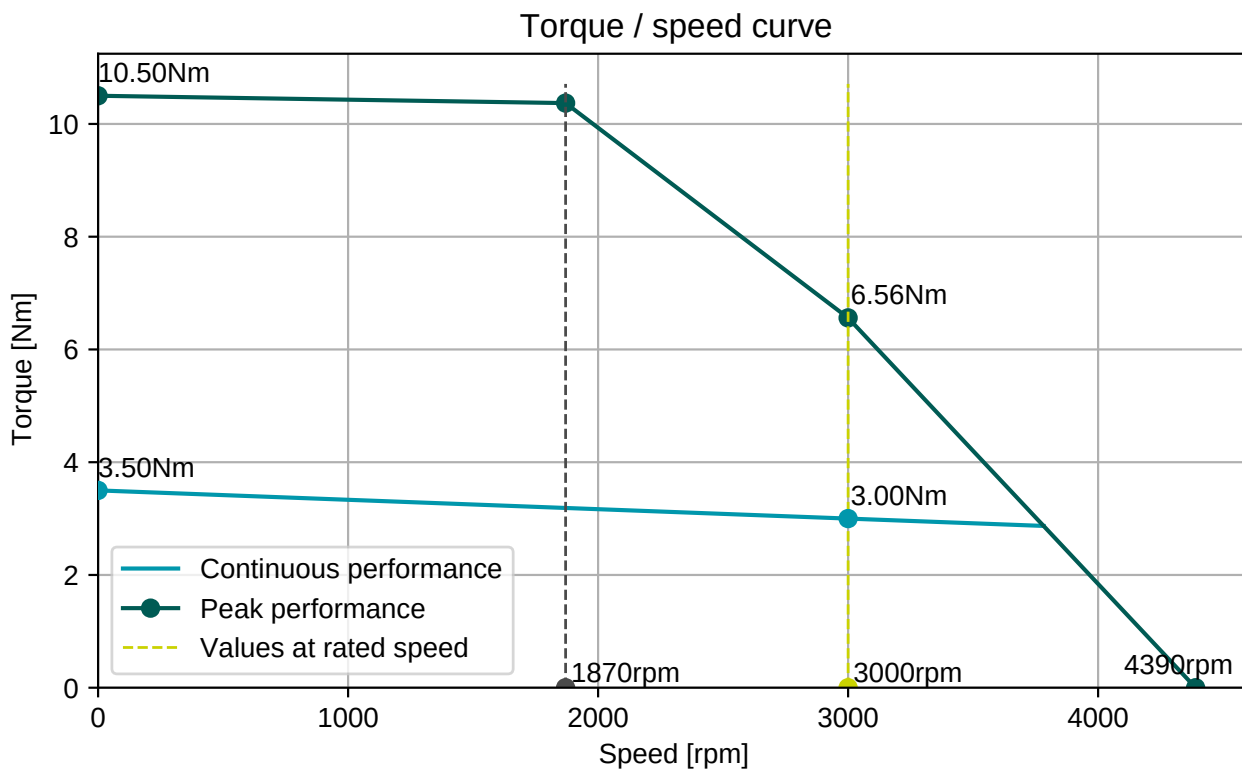
Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	0.74 ms
Thermal time constant	27 min
Rotor inertia	1.04 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2 kg
Max. axial force 20kh	68 N
Max. radial force 20kh	356 N*
Max. axial force 100kh	40 N
Max. radial force 100kh	208 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 17 bits


BGC110N00001216000

M23, 8 poles, rotary


Connector 1 (283)

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

