

Engineering data (WIN 1239)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	187 V AC (rms)
Rated power	1.5 kW
Rated speed	4500 rpm
Rated torque	3.10 Nm
Rated current	5.15 A (rms)
Peak torque	14.4 Nm
Peak current	24.8 A (rms)
Stall torque	4.8 Nm
Stall current	6.9 A (rms)
No load speed	5230 rpm
EMF constant ±10%	42 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.695 Nm / A (rms)
Torque constant ±10% @ rated load	0.602 Nm / A (rms)
Number of poles	10
Electrical time constant	3.05 ms
Winding terminal resistance	1.234 Ω
Rotary field terminal inductance	3.76 mH

Customs info

HS Code	85015220
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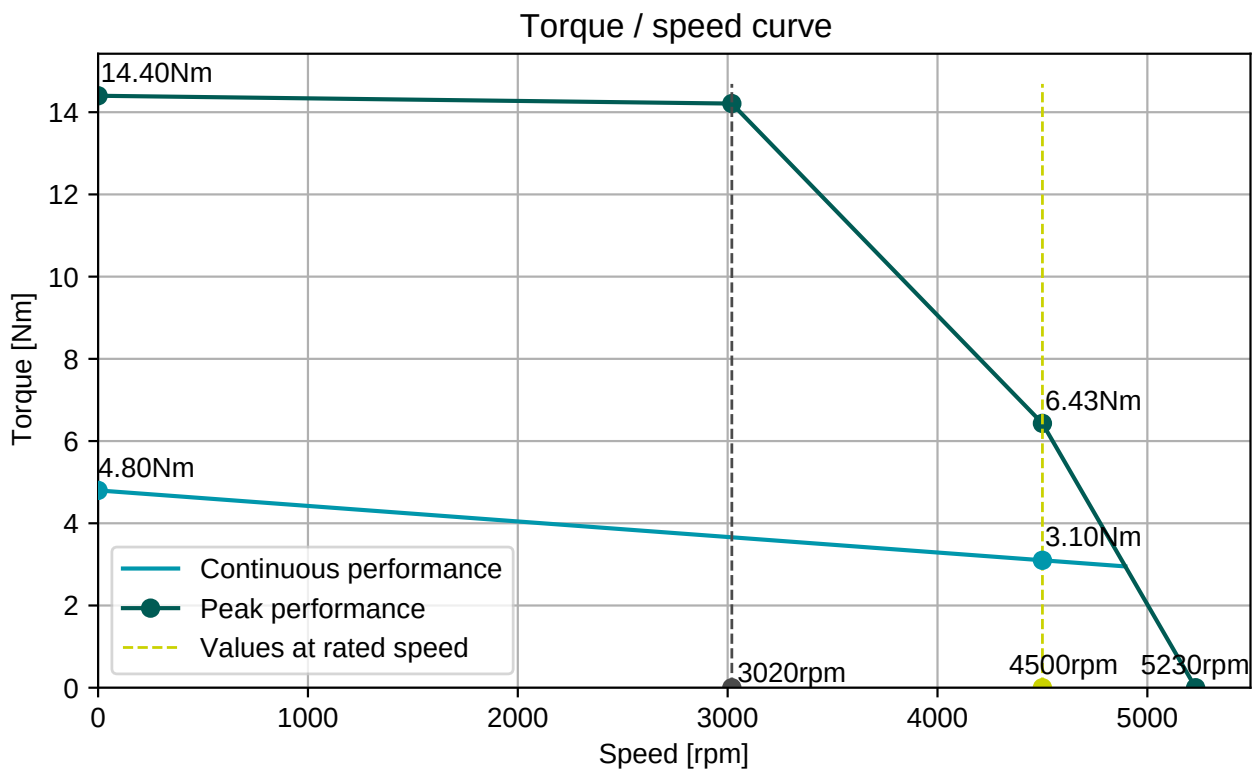
Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	0.67 ms
Thermal time constant	30 min
Rotor inertia	1.52 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	70 N
Max. radial force 20kh	369 N*
Max. axial force 100kh	41 N
Max. radial force 100kh	216 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EES37 (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+

