

Engineering data (WIN 1648)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	283 V AC (rms)
Rated power	2.1 kW
Rated speed	2500 rpm
Rated torque	8.00 Nm
Rated current	5.28 A (rms)
Peak torque	28.8 Nm
Peak current	20 A (rms)
Stall torque	9.6 Nm
Stall current	5.4 A (rms)
No load speed	3510 rpm
EMF constant ±10%	108 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.786 Nm / A (rms)
Torque constant ±10% @ rated load	1.515 Nm / A (rms)
Number of poles	10
Electrical time constant	5.86 ms
Winding terminal resistance	2.493 Ω
Rotary field terminal inductance	14.6 mH

Customs info

HS Code	85015220
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Mechanical data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.61 ms
Thermal time constant	35 min
Rotor inertia	4.49 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	139 N
Max. radial force 20kh	734 N*
Max. axial force 100kh	82 N
Max. radial force 100kh	429 N*

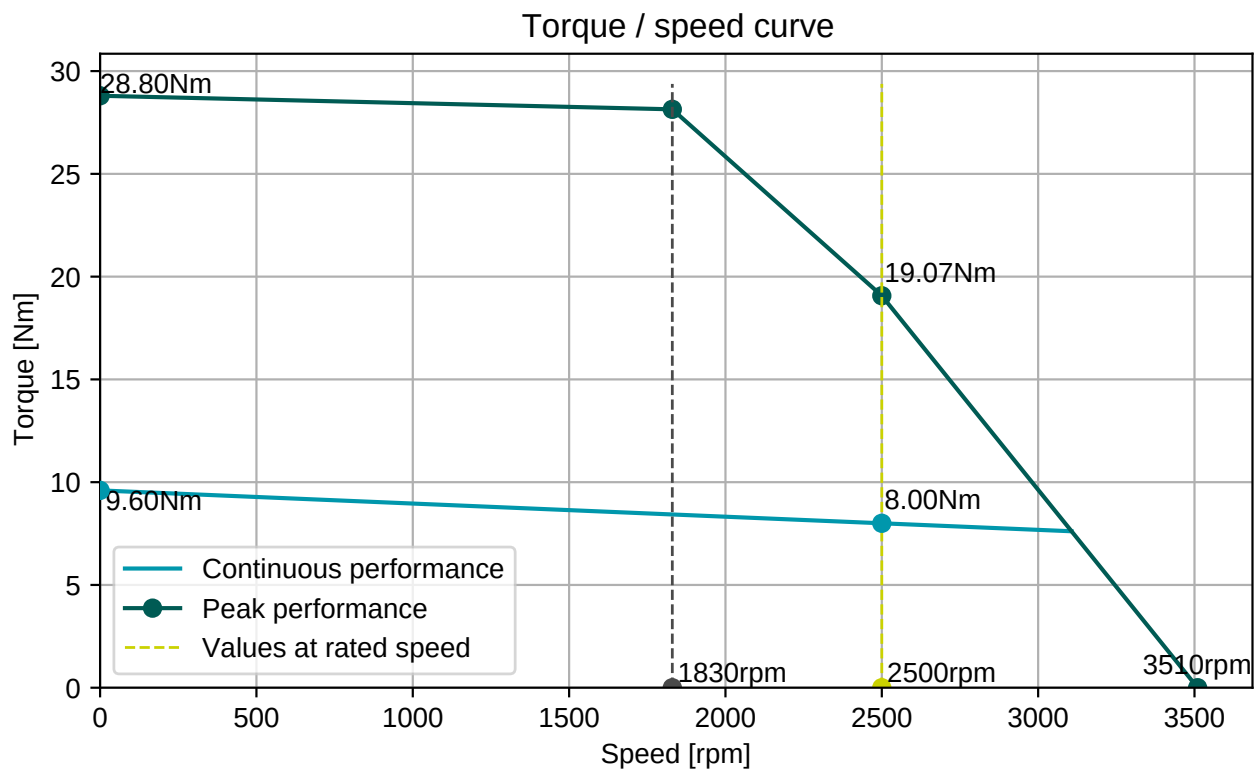
* Defined for point of action at ½ output shaft length

Sensors

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

Brake

Braking torque	9.00 Nm
Voltage	24 V DC
Power @20°C	18.0 W
Current @20°C	0.75 A
Inertia	0.60 kgcm ²
Mass	0.82 kg



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+

