

Engineering data (WIN 733)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	297 V AC (rms)
Rated power	5.0 kW
Rated speed	3000 rpm
Rated torque	16.00 Nm
Rated current	11.5 A (rms)
Peak torque	60 Nm
Peak current	39.8 A (rms)
Stall torque	20 Nm
Stall current	11.6 A (rms)
No load speed	3650 rpm
EMF constant ±10%	104 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.72 Nm / A (rms)
Torque constant ±10% @ rated load	1.39 Nm / A (rms)
Number of poles	10
Electrical time constant	8.99 ms
Winding terminal resistance	0.701 Ω
Rotary field terminal inductance	6.3 mH

Customs info

HS Code	85015220
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Mechanical data (setting 48)

Max mechanical speed	9000 rpm
Mech. time constant	0.62 ms
Thermal time constant	65 min
Rotor inertia	15.1 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	11.2 kg
Max. axial force 20kh	143 N
Max. radial force 20kh	754 N*
Max. axial force 100kh	84 N
Max. radial force 100kh	441 N*

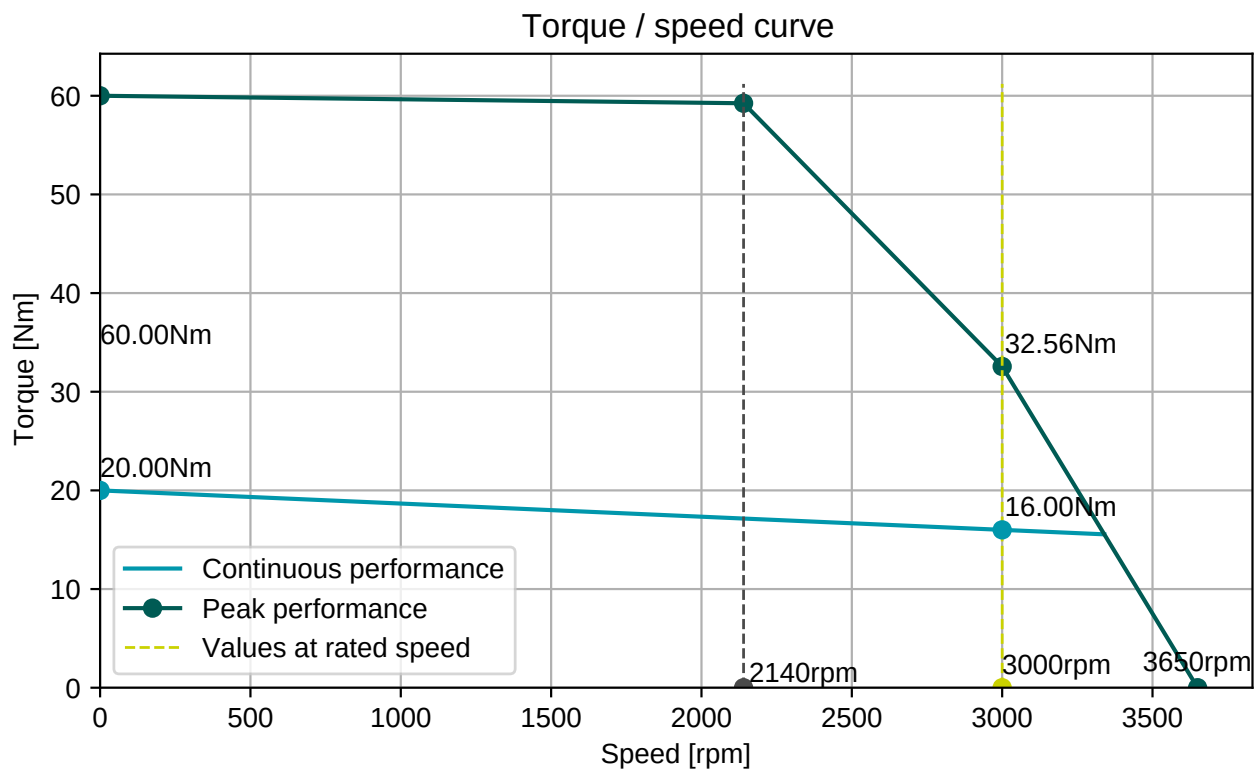
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 18 bits, SIL2

Brake

Braking torque	18.00 Nm
Voltage	24 V DC
Power @20°C	24.0 W
Current @20°C	1.00 A
Inertia	2.00 kgcm ²
Mass	1.80 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+

