

Engineering data (WIN 1165)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	349 V AC (rms)
Rated power	8.6 kW
Rated speed	3000 rpm
Rated torque	27.30 Nm
Rated current	16.18 A (rms)
Peak torque	180 Nm
Peak current	101.8 A (rms)
Stall torque	60 Nm
Stall current	30 A (rms)
No load speed	3140 rpm
EMF constant ±10%	125 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.067 Nm / A (rms)
Torque constant ±10% @ rated load	1.687 Nm / A (rms)
Number of poles	10
Electrical time constant	18.75 ms
Winding terminal resistance	0.16 Ω
Rotary field terminal inductance	3 mH

Customs info

HS Code	85015230
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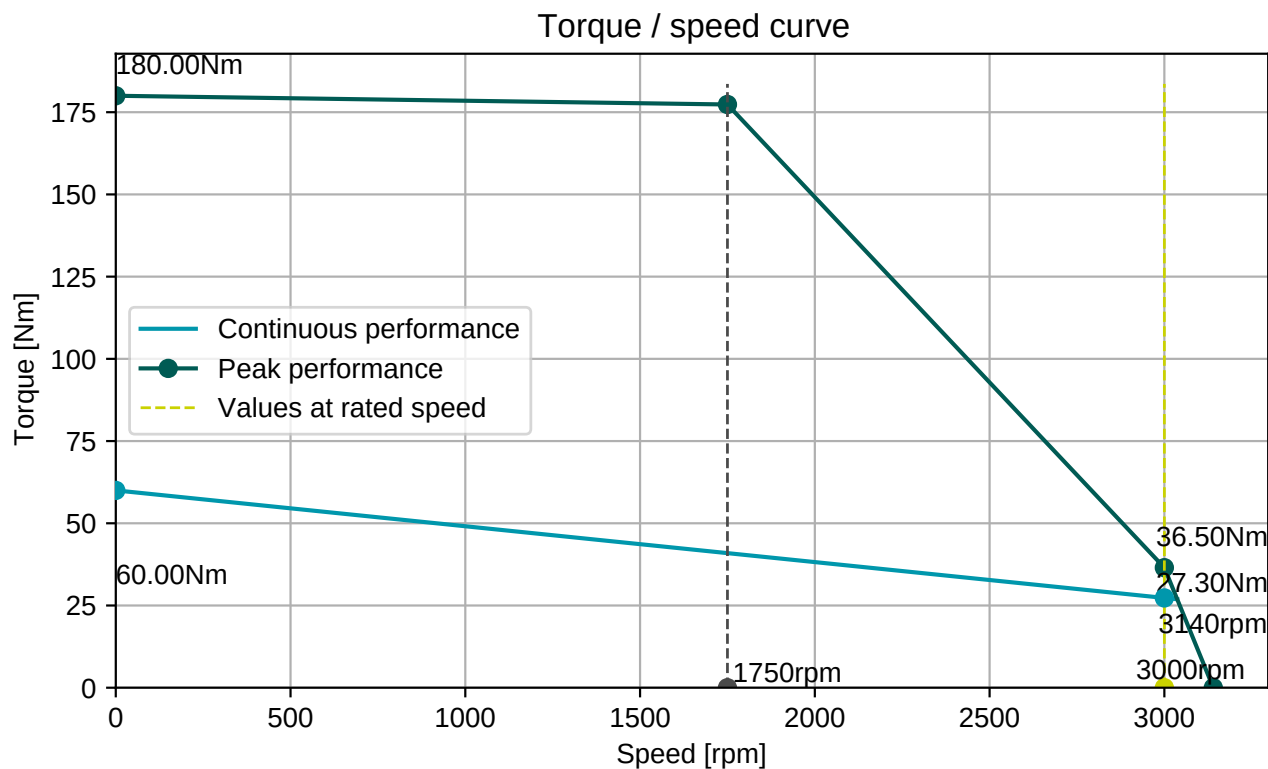
Mechanical data (setting 16)

Max mechanical speed	6000 rpm
Mech. time constant	0.69 ms
Thermal time constant	108 min
Rotor inertia	107 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	30.5 kg
Max. axial force 20kh	264 N
Max. radial force 20kh	1388 N*
Max. axial force 100kh	154 N
Max. radial force 100kh	811 N*

** Defined for point of action at ½ output shaft length*

Sensors

Temperature	PT1000 {PT1000}
Feedback	SRS50 (Hiperface) single-turn, 1024 sin/cos+12bits


BGC110N00001216000

M23, 8 poles, rotary


AGC113N00001215000

M23, 17 poles, rotary


Connector 1 (9)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (130)

1/9	SIN/REFSIN
3/11	COS/REFCOS
5/13	DATA/DATA-
4/2	Us/GND
14/7	Therm

