

Engineering data (WIN 1474)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	311 V AC (rms)
Rated power	8.0 kW
Rated speed	4500 rpm
Rated torque	17.00 Nm
Rated current	17.63 A (rms)
Peak torque	120 Nm
Peak current	119.1 A (rms)
Stall torque	40 Nm
Stall current	33.6 A (rms)
No load speed	5270 rpm
EMF constant ±10%	72 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.191 Nm / A (rms)
Torque constant ±10% @ rated load	0.964 Nm / A (rms)
Number of poles	10
Electrical time constant	18.22 ms
Winding terminal resistance	0.107 Ω
Rotary field terminal inductance	1.95 mH

Customs info

HS Code	85015230
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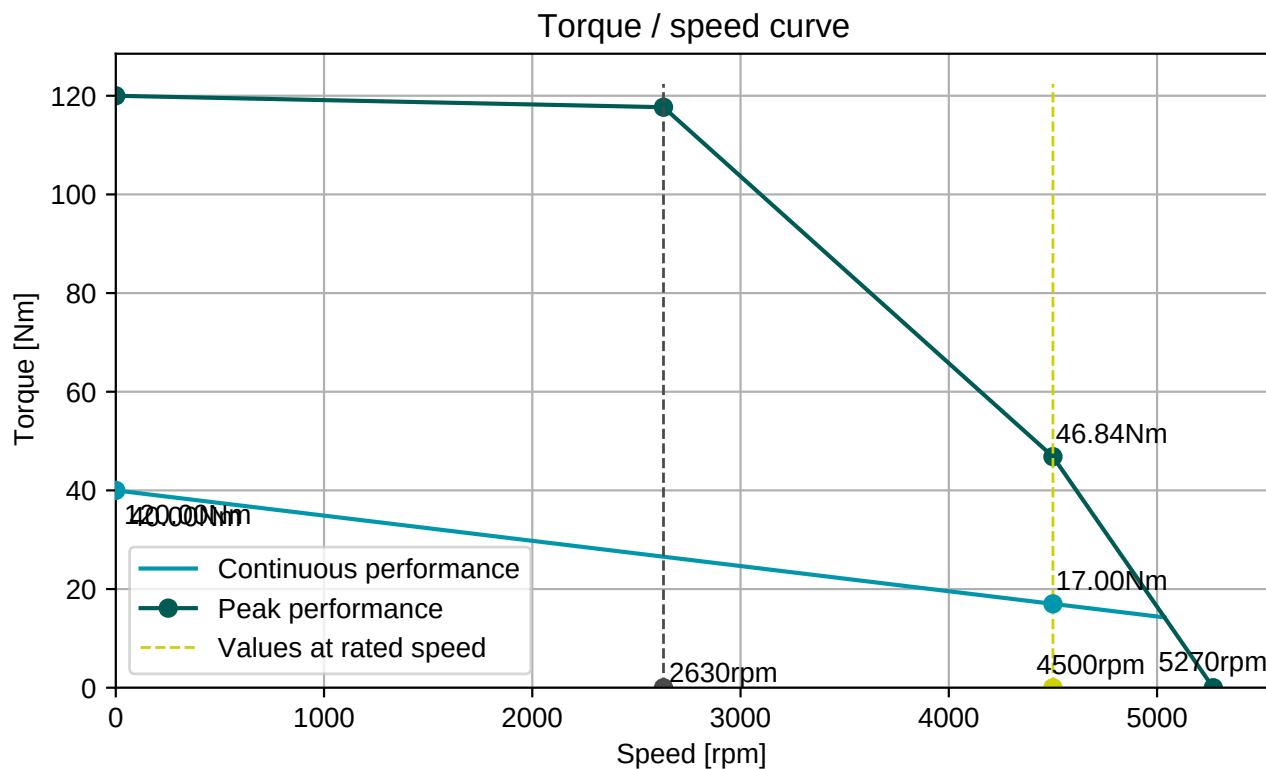
Mechanical data (setting 29)

Max mechanical speed	6000 rpm
Mech. time constant	0.90 ms
Thermal time constant	90 min
Rotor inertia	69 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	214 N
Max. radial force 20kh	1128 N*
Max. axial force 100kh	125 N
Max. radial force 100kh	660 N*

* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	ECN1325 (EnDat 2.2) single-turn, 25 bits



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 (293)

1	Vcc (+5V)
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-
9	Vcc sensor
10	GND sensor

