

Engineering data (WIN -100106)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	280 V AC (rms)
Rated power	5.6 kW
Rated speed	3500 rpm
Rated torque	15.20 Nm
Rated current	13.64 A (rms)
Peak torque	180 Nm
Peak current	143.25 A (rms)
Stall torque	60 Nm
Stall current	42.18 A (rms)
No load speed	4420 rpm
EMF constant ±10%	86 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.42 Nm / A (rms)
Torque constant ±10% @ rated load	1.11 Nm / A (rms)
Number of poles	10
Electrical time constant	20.29 ms
Winding terminal resistance	0.069 Ω
Rotary field terminal inductance	1.4 mH

Customs info

HS Code	85015220
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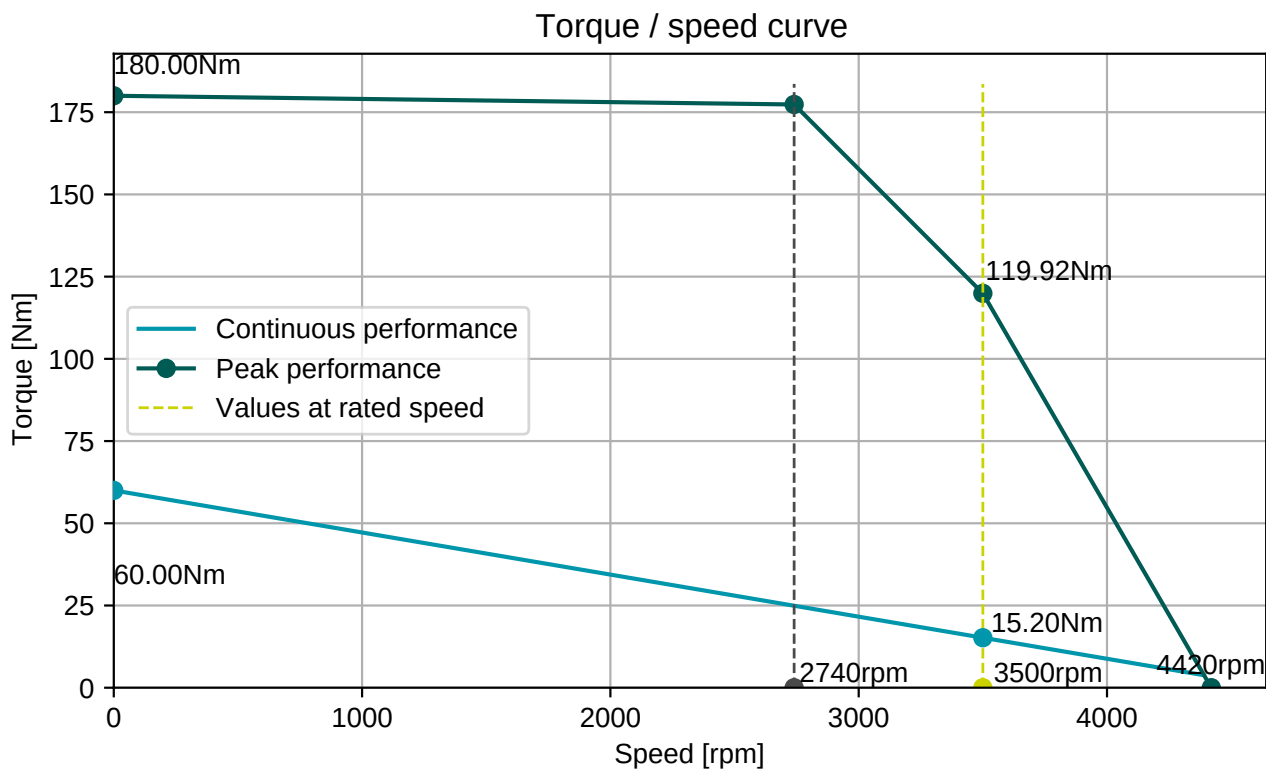
Mechanical data (setting 5)

Max mechanical speed	6000 rpm
Mech. time constant	0.63 ms
Thermal time constant	108 min
Rotor inertia	107 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

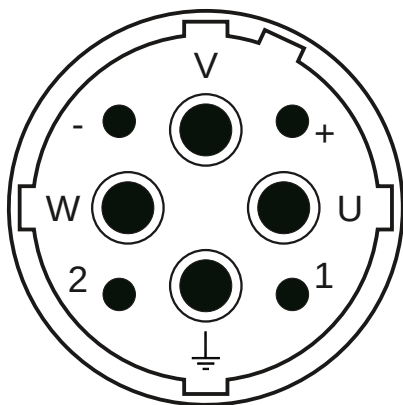
Sensors

Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)



CEA271N00000051000

M40, 8 poles, rotary base



AGC052N00001215000

M23, 12 poles, rotary



Connector 1 (84)

U	U
V	V
W	W
PE	PE
+	Brake+
-	Brake-

Connector 2 (10)

2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1

