

Engineering data (WIN -100105)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	242 V AC (rms)
Rated power	8.4 kW
Rated speed	4000 rpm
Rated torque	20.00 Nm
Rated current	23.43 A (rms)
Peak torque	114 Nm
Peak current	143.25 A (rms)
Stall torque	38 Nm
Stall current	37.06 A (rms)
No load speed	6120 rpm
EMF constant ±10%	62 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.03 Nm / A (rms)
Torque constant ±10% @ rated load	0.85 Nm / A (rms)
Number of poles	10
Electrical time constant	13.36 ms
Winding terminal resistance	0.11 Ω
Rotary field terminal inductance	1.47 mH

Customs info

HS Code	85015230
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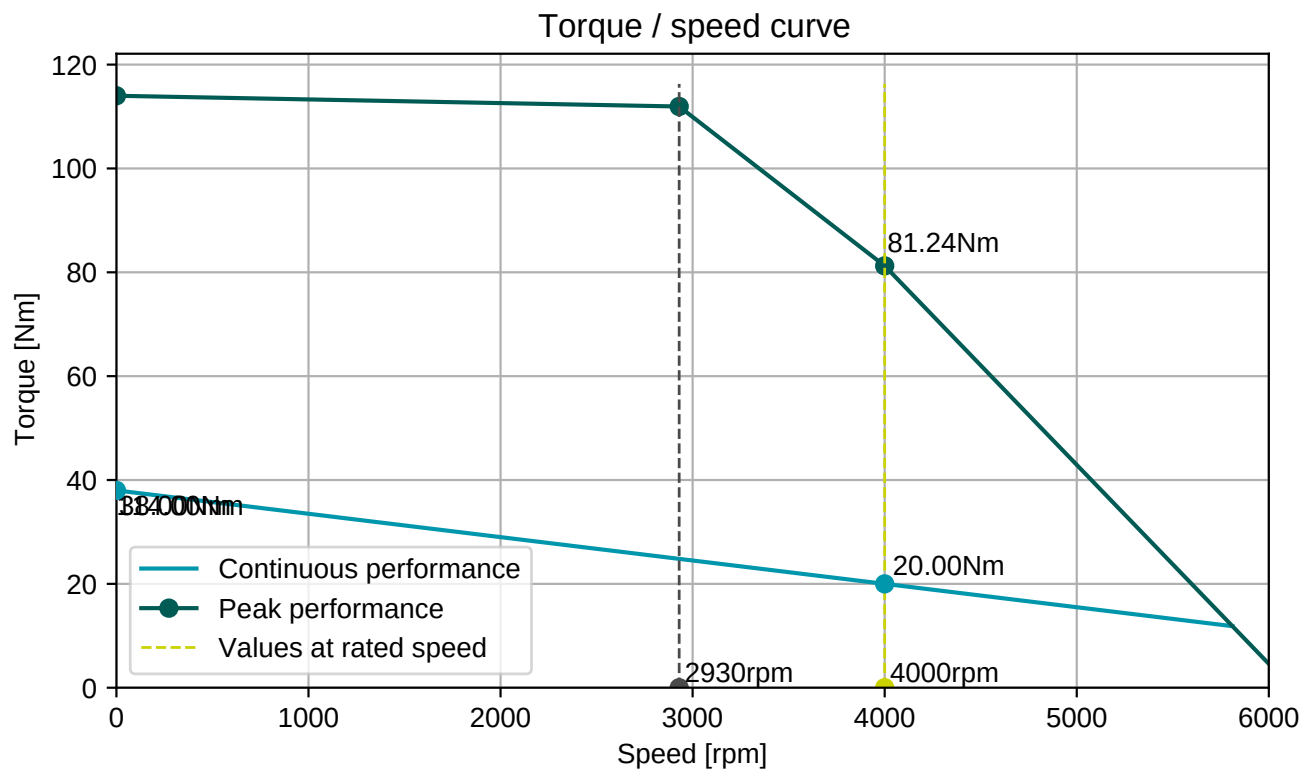
Mechanical data (setting 29)

Max mechanical speed	6000 rpm
Mech. time constant	0.72 ms
Thermal time constant	57 min
Rotor inertia	39.9 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	141 N
Max. radial force 20kh	741 N*
Max. axial force 100kh	82 N
Max. radial force 100kh	434 N*

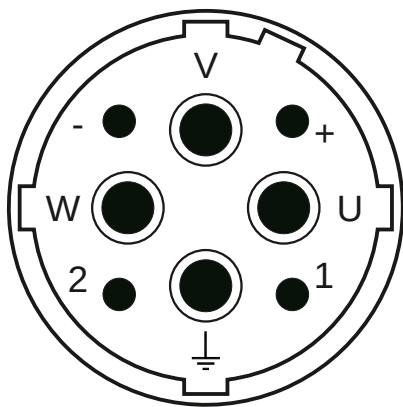
* Defined for point of action at ½ output shaft length

Sensors

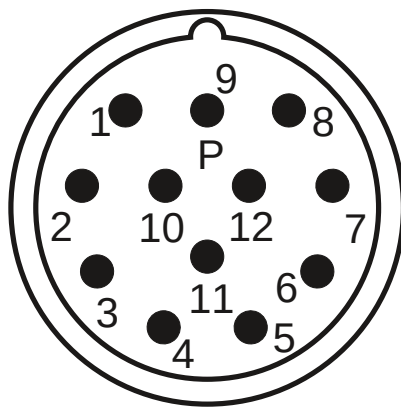
Temperature	PT1000 {PT1000}
Feedback	ECN1325 (EnDat 2.2) single-turn, 25 bits


CEA271N00000051000

M40, 8 poles, rotary base


AGC052N00001215000

M23, 12 poles, rotary


Connector 1 (151)

U	U
V	V
W	W
PE	PE
+	Brake+
-	Brake-
1	Therm+
2	Therm-

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

