

Engineering data (WIN 820)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	194 V AC (rms)
Rated power	471 W
Rated speed	6000 rpm
Rated torque	0.75 Nm
Rated current	1.7 A (rms)
Peak torque	3.8 Nm
Peak current	9.4 A (rms)
Stall torque	0.95 Nm
Stall current	2.05 A (rms)
No load speed	7820 rpm
EMF constant ±10%	28 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.46 Nm / A (rms)
Torque constant ±10% @ rated load	0.44 Nm / A (rms)
Number of poles	6
Electrical time constant	1.45 ms
Winding terminal resistance	10.53 Ω
Rotary field terminal inductance	15.3 mH

Customs info

HS Code	85015100
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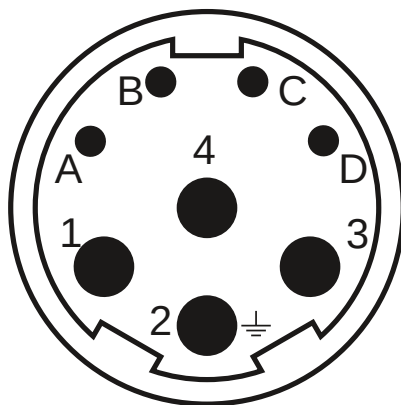
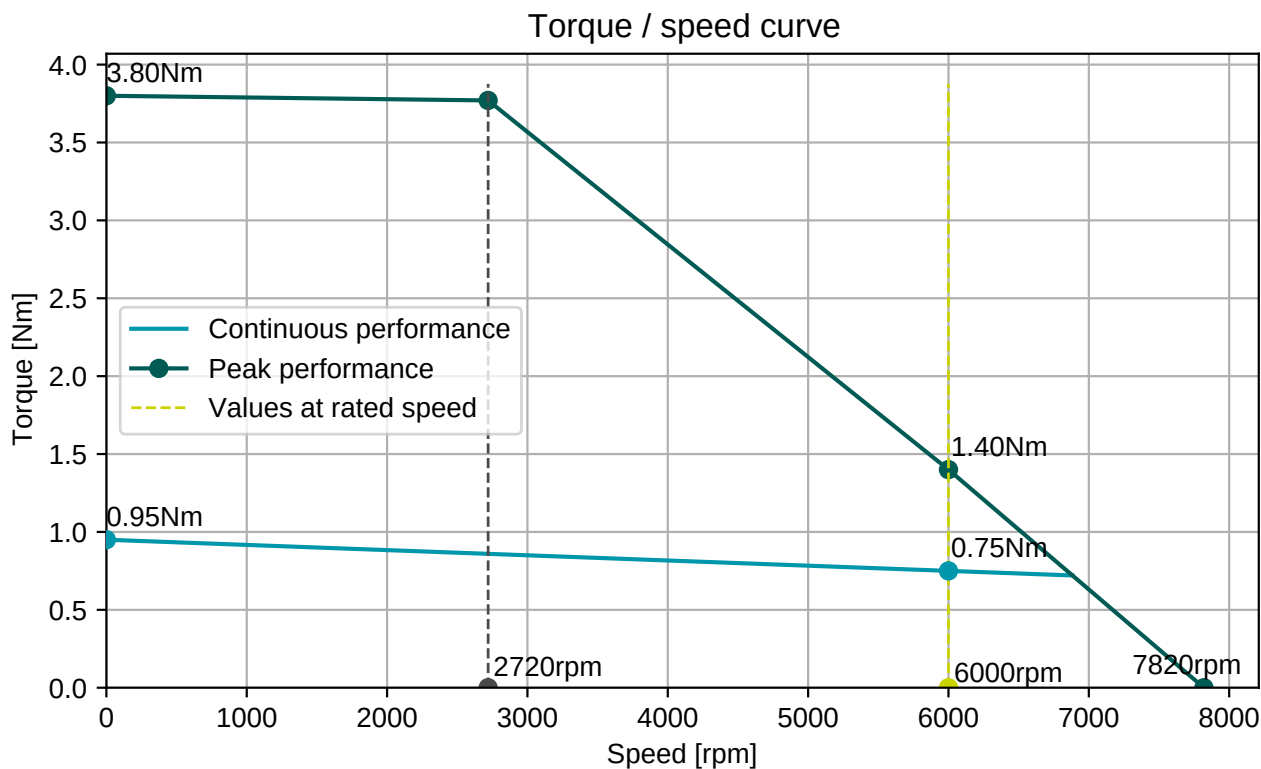
Mechanical data (setting 48)

Max mechanical speed	12000 rpm
Mech. time constant	0.94 ms
Thermal time constant	18 min
Rotor inertia	0.11 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.7 kg
Max. axial force 20kh	38 N
Max. radial force 20kh	201 N*
Max. axial force 100kh	22 N
Max. radial force 100kh	118 N*

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

Sensors

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



Connector 1 (283)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+

