

Engineering data (WIN 1576)

DC bus voltage	24 V DC
Nominal AC voltage	17 V AC (rms)
Rated voltage	16 V AC (rms)
Rated power	291 W
Rated speed	1500 rpm
Rated torque	1.85 Nm
Rated current	15.83 A (rms)
Peak torque	5.7 Nm
Peak current	56.9 A (rms)
Stall torque	1.9 Nm
Stall current	14.5 A (rms)
No load speed	2120 rpm
EMF constant ±10%	7.91 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.131 Nm / A (rms)
Torque constant ±10% @ rated load	0.117 Nm / A (rms)
Number of poles	10
Electrical time constant	2.25 ms
Winding terminal resistance	0.187 Ω
Rotary field terminal inductance	0.42 mH

Certifications & customs info

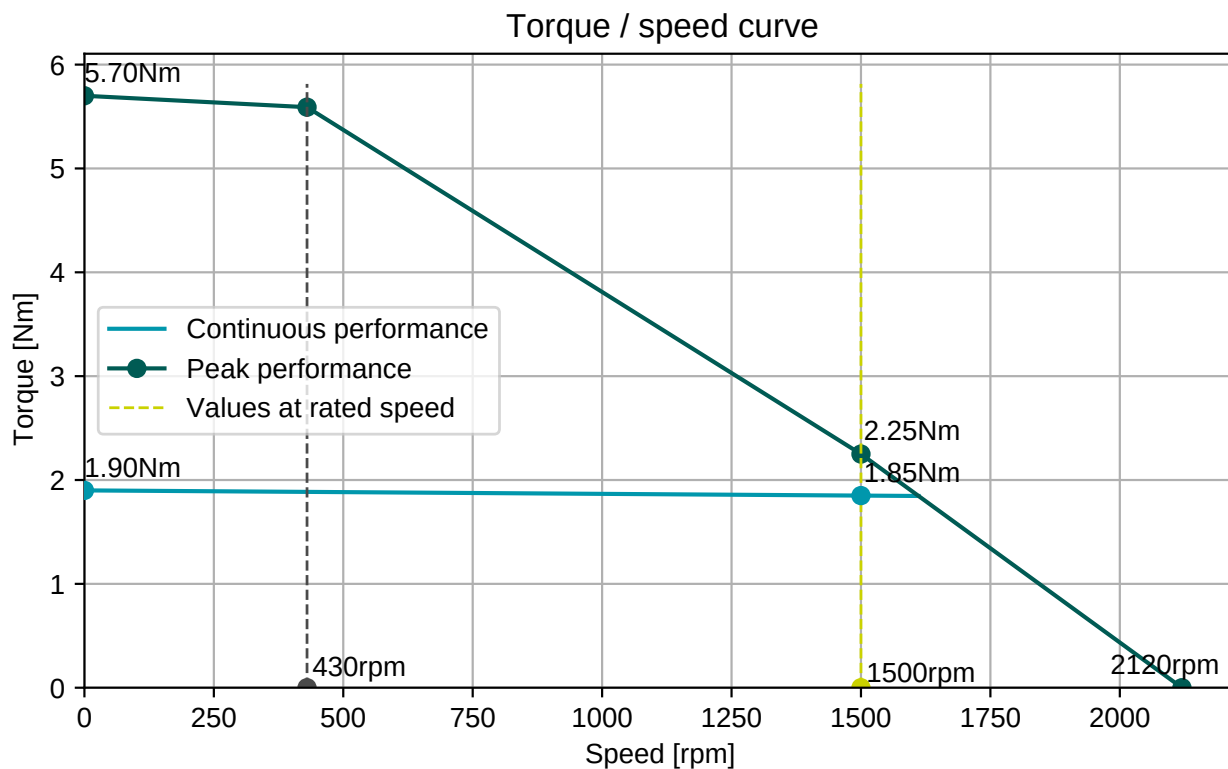
HS Code	85015100
	II 3GD
ATEX certification	Ex nAc IIC 155°C Ex tc IIIC T155°C

Mechanical data (setting 5)

Max mechanical speed	12000 rpm
Mech. time constant	1.04 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP65
Color	RAL 9005
Cooling	Convection

Sensors

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


Cable DSL4x2,5 (2x0,25), D=11,7±0,4mm
Cable R4x2x0,25, D=6,8±0,4mm

Connector 1 (21)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-

Numbers printed on the cables

Connector 2 (22)	
white	R1
brown	R2
grey	S1
green	S2
pink	S3
yellow	S4
red	Therm+
blue	Therm-

