Engineering data (WIN 813)		
DC bus voltage	36	V DC
Nominal AC voltage	25	V AC (rms)
Rated voltage	20	V AC (rms)
Rated power	181	W
Rated speed	500	rpm
Rated torque	3.45	Nm
Rated current	9.02	A (rms)
Peak torque	10.31	Nm
Peak current	30.4	A (rms)
Stall torque	3.5	Nm
Stall current	8.6	A (rms)
No load speed	1010	rpm
EMF constant ±10%	24.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.41	Nm / A (rms)
Torque constant ±10% @ rated load	0.38	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.82	ms
Winding terminal resistance	0.68	Ω
Rotary field terminal inductance	1.92	mH

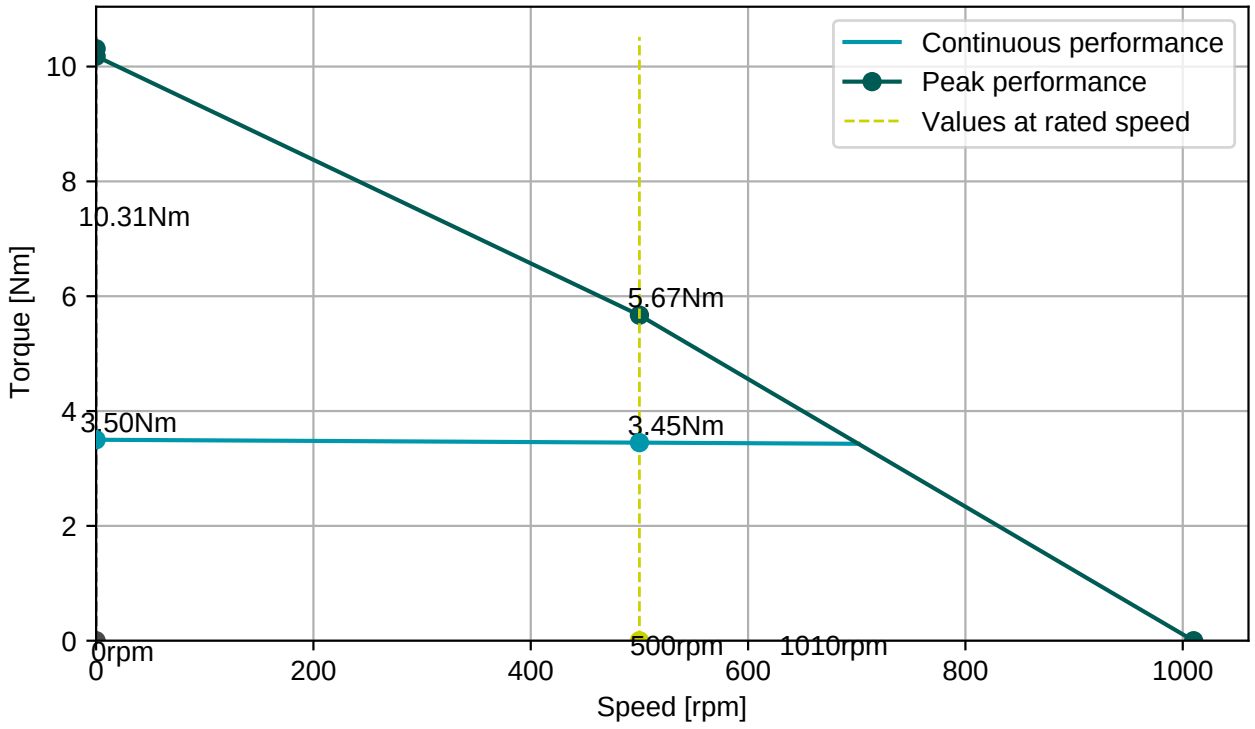
Customs info	
HS Code	85015100

Mechanical data (setting 5)		
Max mechanical speed	12000	rpm
Mech. time constant	0.75	ms
Thermal time constant	27	min
Rotor inertia	1.04	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Max. axial force 20kh	136	N
Max. radial force 20kh*	714	N
Max. axial force 100kh	79	N
Max. radial force 100kh*	418	N

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

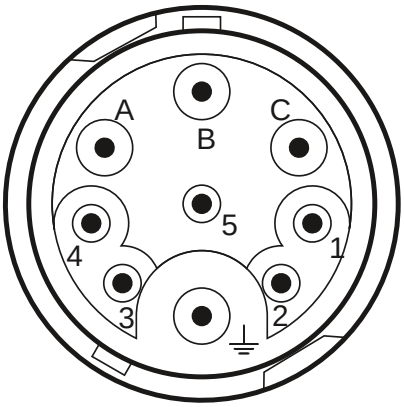
Sensors	
Temperature	PTC 111-K13 {PTC 111-K13 Reissmann}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

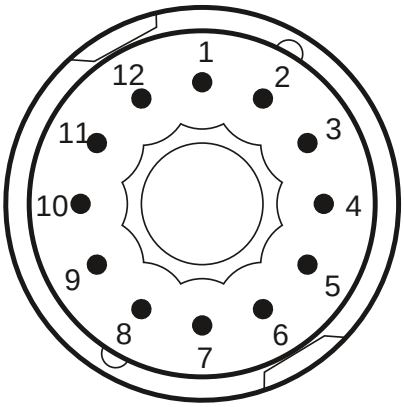
Torque / speed curve



EGA101N00000001000

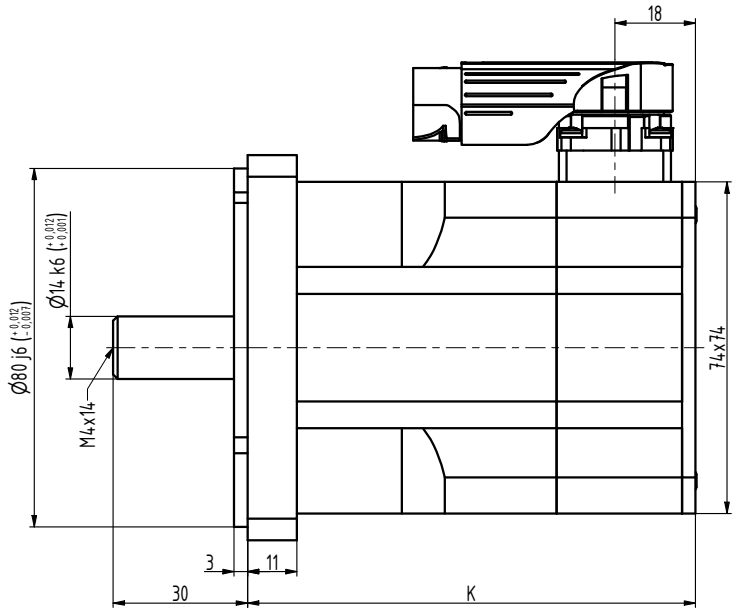
2x M15, 9 and 12 poles rotary

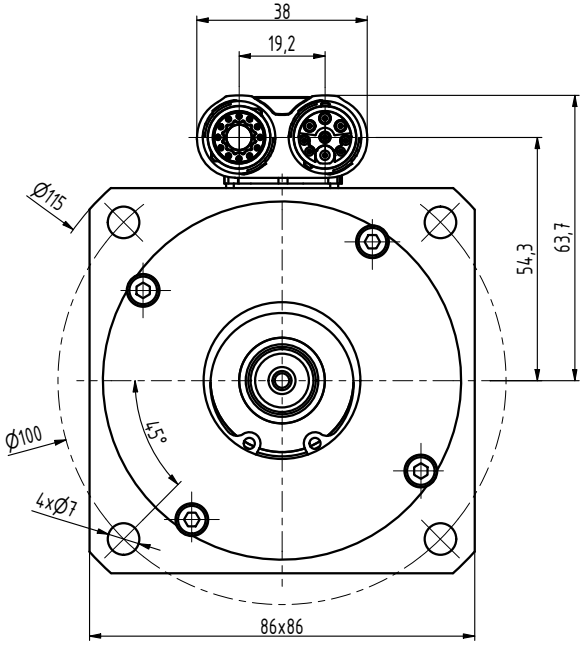




Connector 1 (226)	
A	U
B	V
C	W
PE	PE
1	Brake+
2	Brake-

Connector 2 (227)	
2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1





TYP	K
N3-0115	82
N3-0205	100
N3-0280	118
N3-0350	136
N3-0420	154
N3-0480	172

INDEX	ZMĚNA	DATUM	PODPIS		
ZN.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
POM. ZAŘ.				ČSN	TŘ.Č.
VYPR. Ošlejšek		NORM.REF.		POZN.	Č. KUSOVNÍKU
PŘEKR. Ošlejšek 30.05.2021					
TECHNOL.		SCHVÁLIL Ošlejšek	22.07.2010	STARÝ V.	Č.V.

NÁZEV
Motor N3

N3111 05 Z_Y_S1

Listů List