Engineering data (WIN 960)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	154	V AC (rms)
Rated power	518	W
Rated speed	4500	rpm
Rated torque	1.10	Nm
Rated current	2.94	A (rms)
Peak torque	3.45	Nm
Peak current	11.1	A (rms)
Stall torque	1.15	Nm
Stall current	2.53	A (rms)
No load speed	7940	rpm
EMF constant ±10%	27.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.45	Nm / A (rms)
Torque constant ±10% @ rated load	0.37	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.23	ms
Winding terminal resistance	5.37	Ω
Rotary field terminal inductance	12	mH

Customs info	
HS Code	85015100

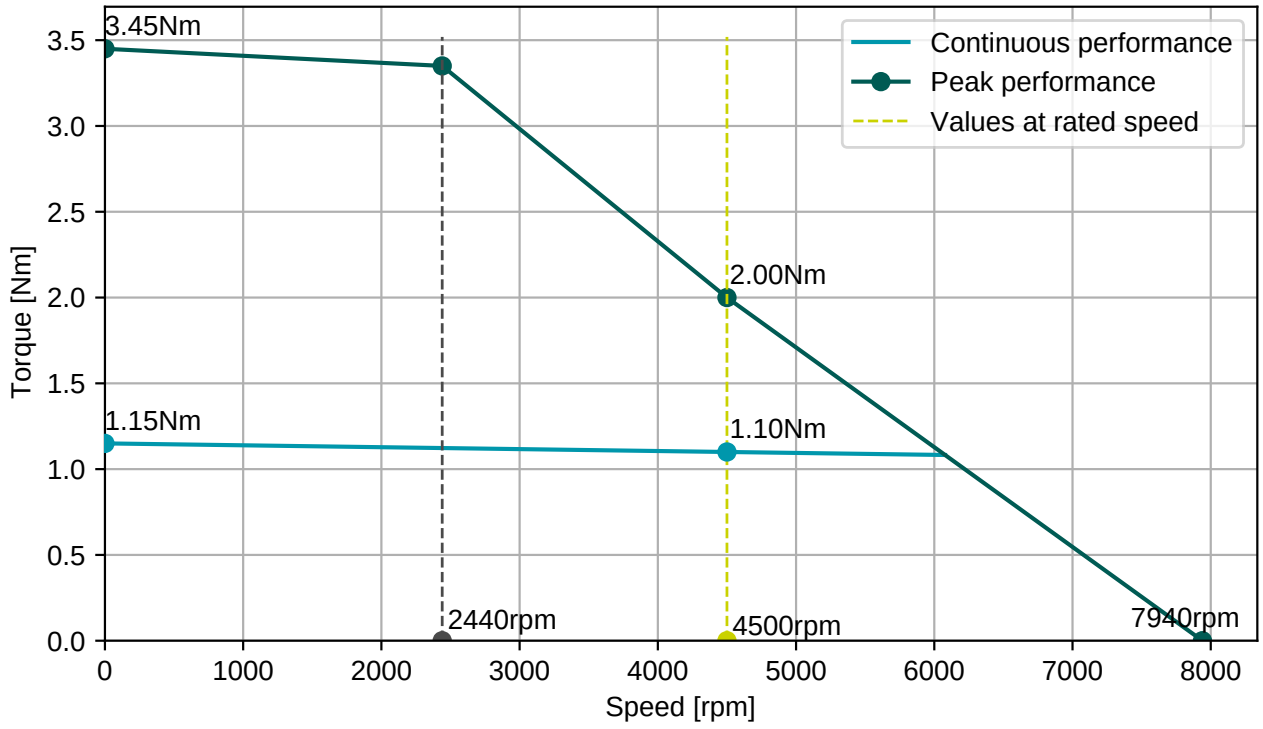
Mechanical data (setting 5)		
Max mechanical speed	12000	rpm
Mech. time constant	1.39	ms
Thermal time constant	21	min
Rotor inertia	0.31	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	1.5	kg
Max. axial force 20kh	50	N
Max. radial force 20kh*	261	N
Max. axial force 100kh	29	N
Max. radial force 100kh*	153	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)

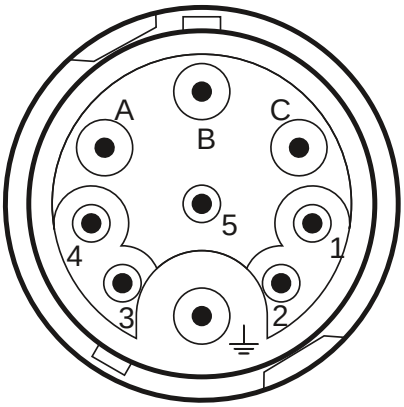
Brake		
Braking torque	4.50	Nm
Voltage	24	V DC
Power @20°C	12.0	W
Current @20°C	0.50	A
Inertia	0.20	kgcm²
Mass	0.47	kg

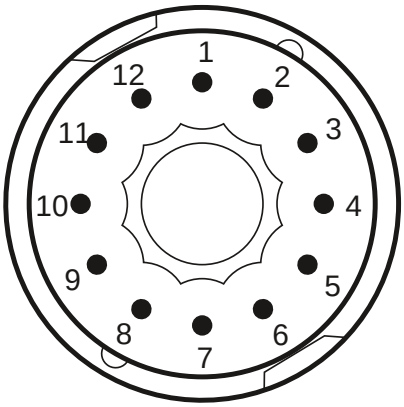
Torque / speed curve



EGA101N00000001000

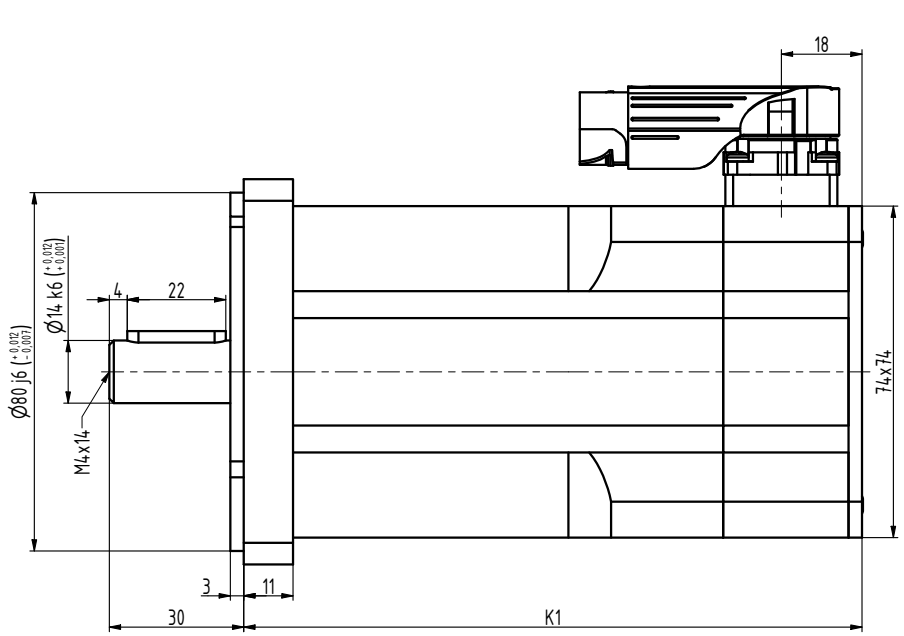
2x M15, 9 and 12 poles rotary

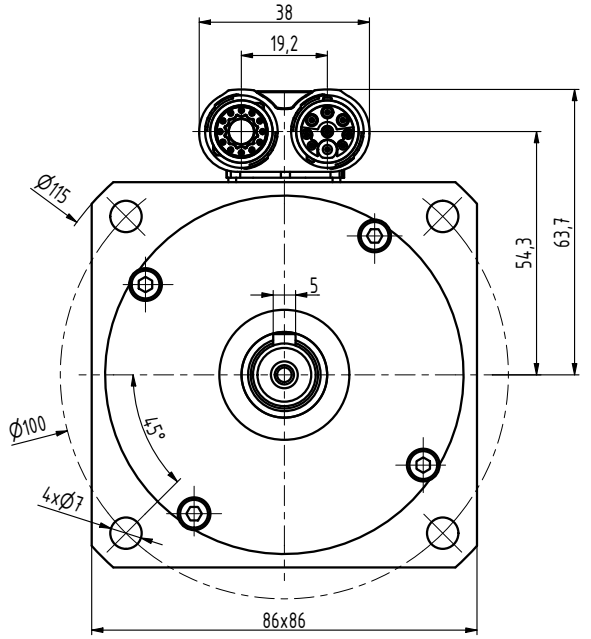




Connector 1 (226)	
A	U
B	V
C	W
PE	PE
1	Brake+
2	Brake-

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





TYP	K1
N3-0115	120
N3-0205	138
N3-0280	156
N3-0350	174
N3-0420	192
N3-0480	210

INDEX	ZMĚNA	DATUM	PODPIS		
ZN.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
POM. ZAŘ.				ČSN	TŘ.Č.
VYPR. Šimík		NORM.REF.		POZN.	Č. KUSOVNÍKU
PŘEKR. Ošlejšek 30.05.2021					
TECHNOL.		SCHVÁLIL Ošlejšek	15.12.2014	STARÝ V.	Č.V.

NÁZEV
Motor N3

N3111 05 BP Z_Y_S1

Listů List