Engineering data (WIN 1544)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	135	V AC (rms)
Rated power	251	W
Rated speed	12000	rpm
Rated torque	0.20	Nm
Rated current	1.34	A (rms)
Peak torque	3.8	Nm
Peak current	24	A (rms)
Stall torque	0.95	Nm
Stall current	5.2	A (rms)
No load speed	19940	rpm
EMF constant ±10%	11	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.182	Nm / A (rms)
Torque constant ±10% @ rated load	0.149	Nm / A (rms)
Number of poles	6	
Electrical time constant	1.36	ms
Winding terminal resistance	1.71	Ω
Rotary field terminal inductance	2.32	mH

Customs info	
HS Code	85015100

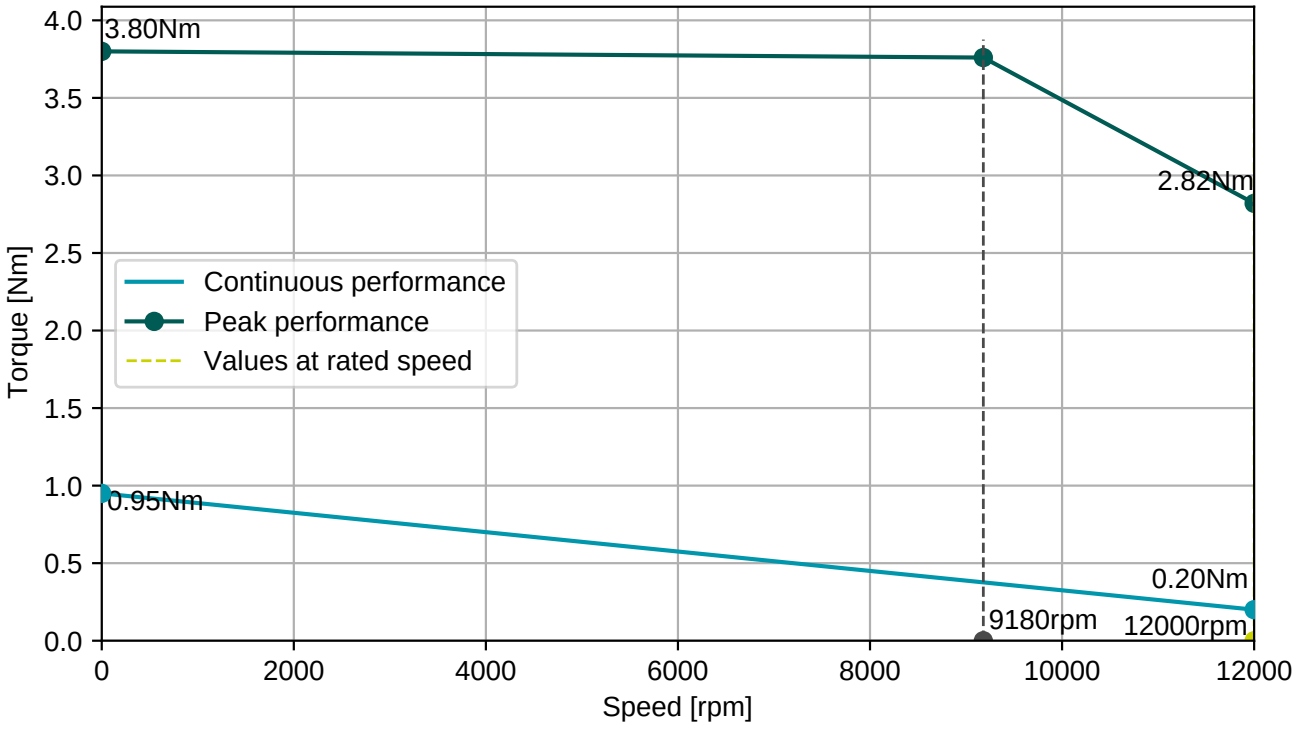
Mechanical data (setting 29)		
Max mechanical speed	12000	rpm
Mech. time constant	0.98	ms
Thermal time constant	18	min
Rotor inertia	0.11	kgcm²
Protection	IP54	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	1.7	kg
Max. axial force 20kh	30	N
Max. radial force 20kh*	160	N
Max. axial force 100kh	18	N
Max. radial force 100kh*	94	N

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

Sensors	
Temperature	PT1000 {PT1000}
Feedback	ECI1119 (EnDat 2.2) single-turn, 19 bits

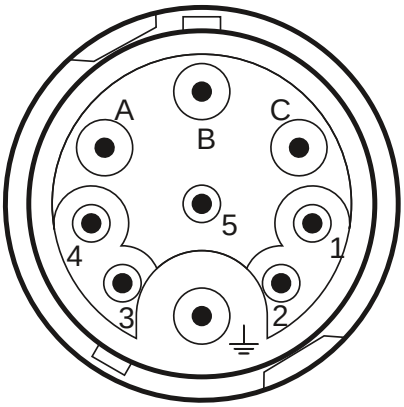
Brake		
Braking torque	2.00	Nm
Voltage	24	V DC
Power @20°C	11.0	W
Current @20°C	0.46	A
Inertia	0.08	kgcm²
Mass	0.20	kg

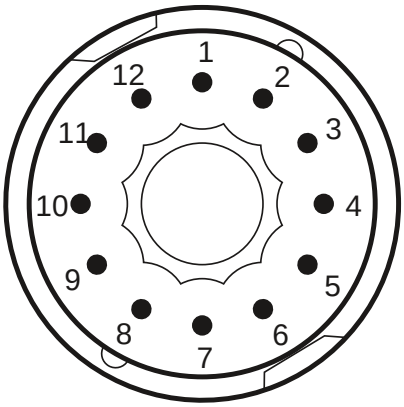
Torque / speed curve



EGA101N00000001000

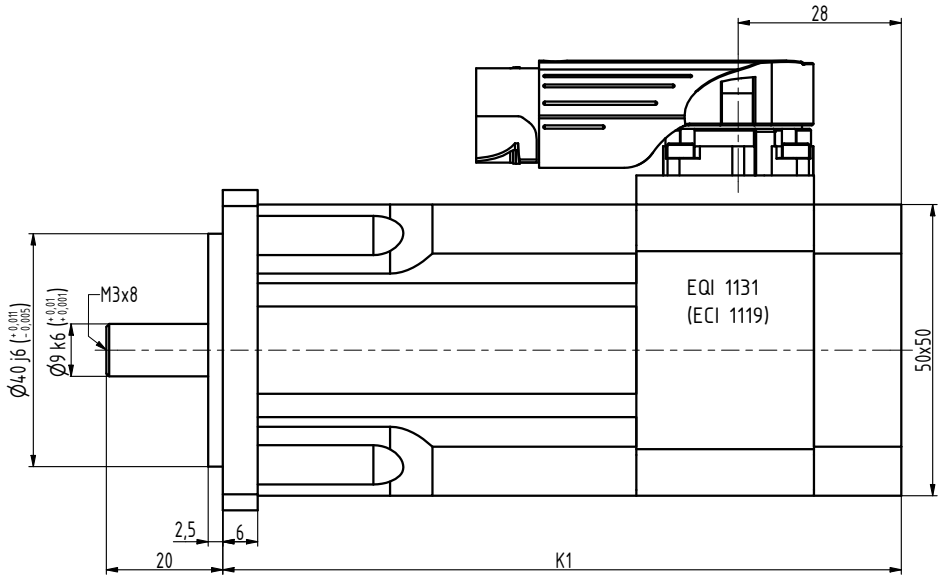
2x M15, 9 and 12 poles rotary

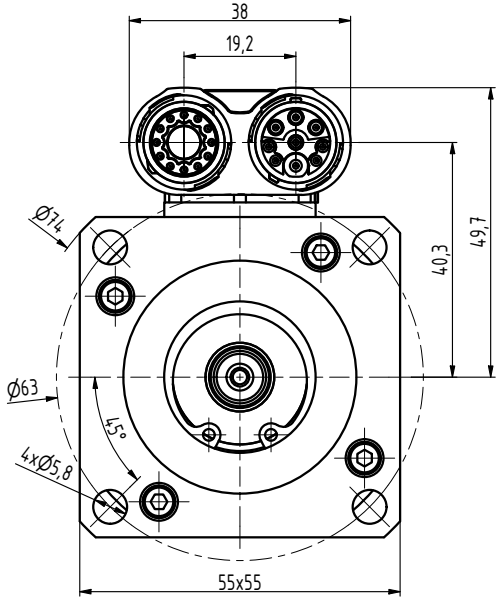




Connector 1 (226)	
A	U
B	V
C	W
PE	PE
1	Brake+
2	Brake-

Connector 2 (505)	
1	Vcc (+5V)
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-
9	Vcc sensor
10	GND sensor





TYP	K1
N2-0028	116,5
N2-0054	131,5
N2-0075	146,5
N2-0095	161,5

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.				
TECHNOL.	SCHVÁLIL Ošlejšek	29.03.2023	STARÝ V.	Č.V.

NÁZEV

Motor N2

N2100 02 B Z

Listů List