Engineering data (WIN 1421)		
DC bus voltage	130	V DC
Nominal AC voltage	90	V AC (rms)
Rated voltage	79	V AC (rms)
Rated power	942	W
Rated speed	3000	rpm
Rated torque	3.00	Nm
Rated current	8.4	A (rms)
Peak torque	10.5	Nm
Peak current	31.2	A (rms)
Stall torque	3.5	Nm
Stall current	8.6	A (rms)
No load speed	3660	rpm
EMF constant ±10%	24.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.405	Nm / A (rms)
Torque constant ±10% @ rated load	0.357	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	85015220

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	
Motor-only mass	2.9	kg
Max. axial force 20kh	68	N
Max. radial force 20kh*	356	N
Max. axial force 100kh	40	N
Max. radial force 100kh*	208	N

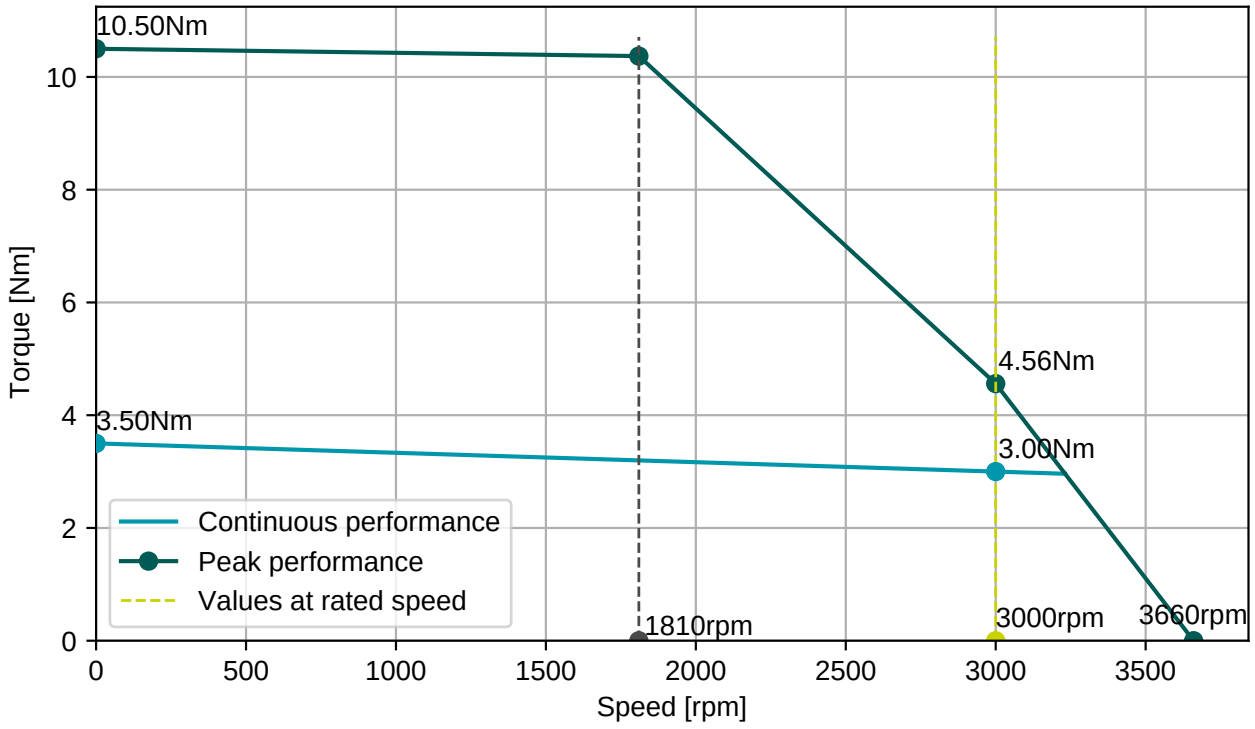
** Defined for point of action at ½ output shaft length*

Sensors	
Temperature	PT1000 {PT1000}
Feedback	ELS35-0CA0A024A

Note

Cables length 1m

Torque / speed curve



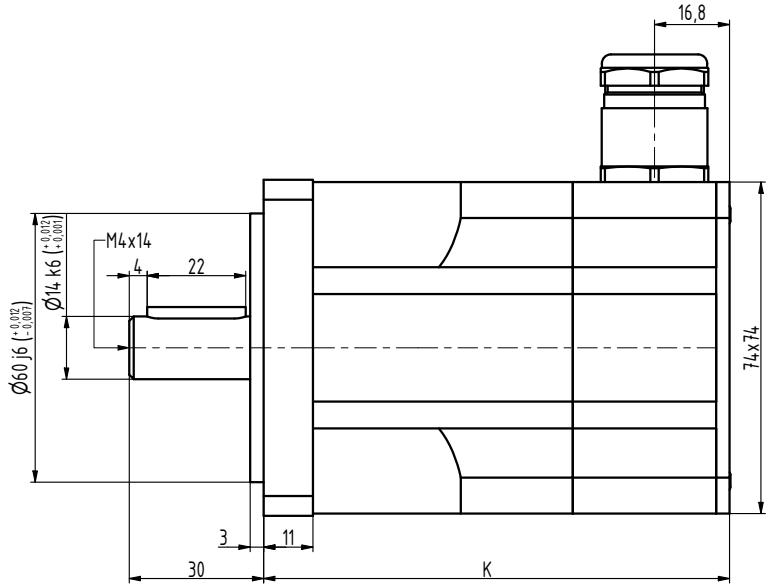
Cable SF4x1,5, D=9,6±0,4mm

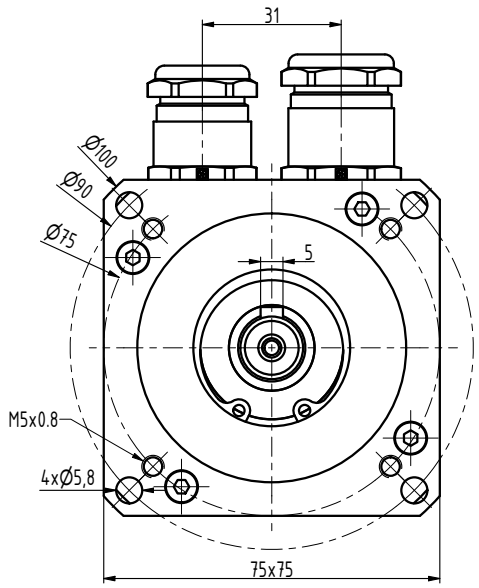
Connector 1 (21)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-

Numbers printed on the cables

Cable R4x2x0,25, D=6,8±0,4mm

Connector 2





TYP	K
N3-0115	86
N3-0205	104
N3-0280	122
N3-0350	140
N3-0420	158
N3-0480	176

INDEX	ZMĚNA	DATUM	PODPIS		
ZN.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
POM. ZAŘ.				ČSN	TŘ.Č.
VYPR.		NORM.REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.		SCHVÁLIL	17.08.2026	STARÝ V.	Č.V.

NÁZEV
Motor N3

N3111 xx P Z

Listů List