Engineering data (WIN 1166)		
DC bus voltage	48	V DC
Nominal AC voltage	34	V AC (rms)
Rated voltage	25	V AC (rms)
Rated power	355	W
Rated speed	3000	rpm
Rated torque	1.13	Nm
Rated current	12.9	A (rms)
Peak torque	3.45	Nm
Peak current	49.6	A (rms)
Stall torque	1.15	Nm
Stall current	11.3	A (rms)
No load speed	5450	rpm
EMF constant ±10%	6.2	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.1	Nm / A (rms)
Torque constant ±10% @ rated load	0.1	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.22	ms
Winding terminal resistance	0.27	Ω
Rotary field terminal inductance	0.6	mH

Customs info	
HS Code	85015100

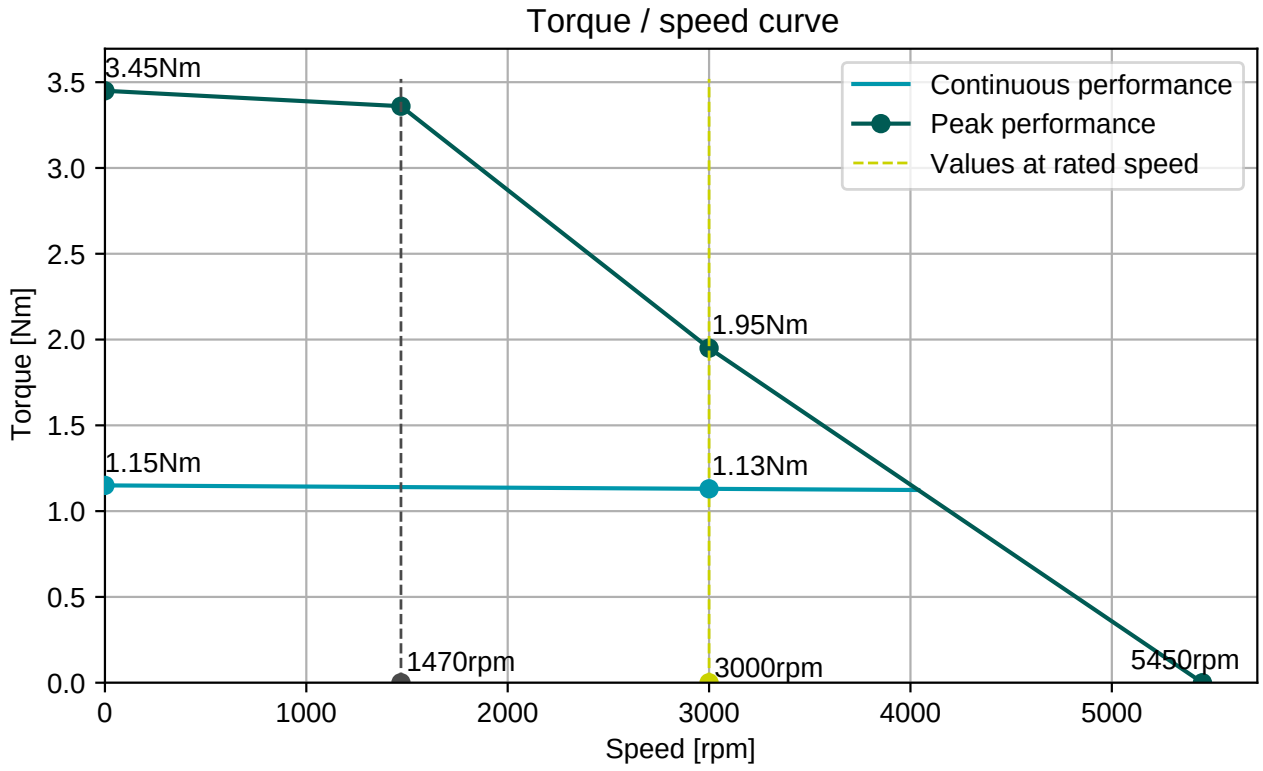
Mechanical data (setting 48)		
Max mechanical speed	12000	rpm
Mech. time constant	1.38	ms
Thermal time constant	21	min
Rotor inertia	0.31	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	

Sensors	
Temperature	PT1000 {PT1000}
Feedback	EES37 (HDSL) single-turn, 17 bits

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

Note

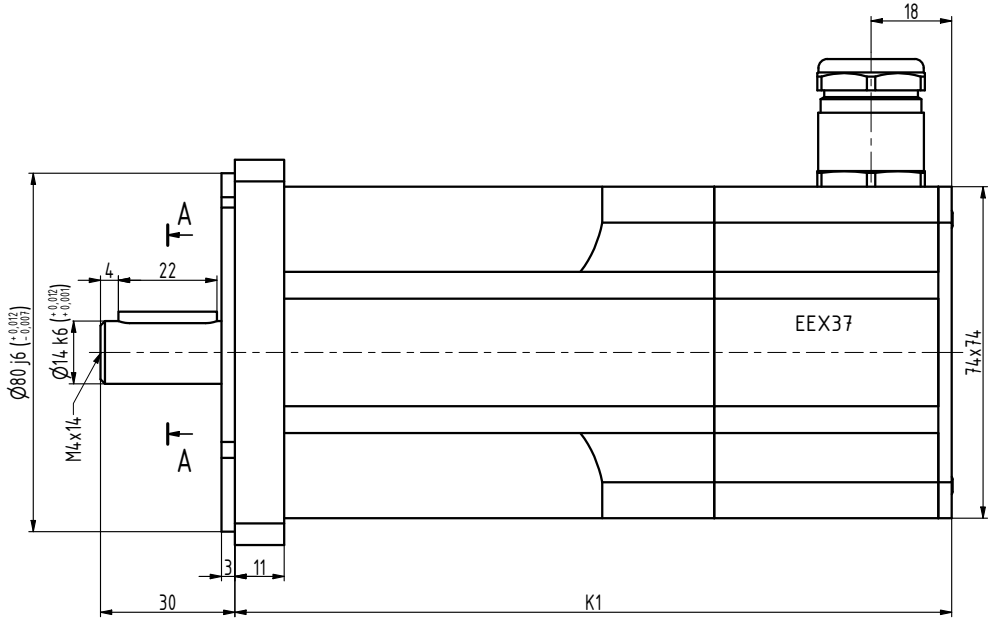
The winding of the motor has rated current 12.9 A. Power cable is rated only for 10 A. The motor can be operated only with continuous current limited to 10 A in servoamplifier. Otherwise the power cable could be burned.

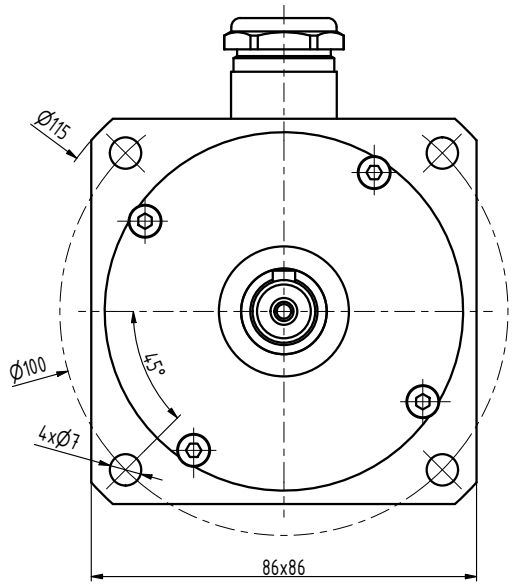


Cable DSL4x1,5 (2x0,25)+(2x0,75),
D=12,2±0,4mm

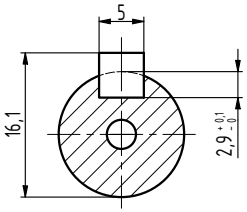
Connector 1 (306)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-
brown	+Us/DSL+
white	GND/DSL-

Numbers printed on the cables





A-A (2 : 1)
ČSN 02 2562



TYP	K1
N3-0115	142
N3-0205	160
N3-0280	178
N3-0350	196
N3-0420	214
N3-0480	232

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	20.11.2020	STARÝ V.	Č.V.

NÁZEV
Motor N3

N3133 05 BP Z

Listů List