Engineering data (WIN 1434)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	135	V AC (rms)
Rated power	754	W
Rated speed	3000	rpm
Rated torque	2.40	Nm
Rated current	4.07	A (rms)
Peak torque	8.4	Nm
Peak current	15.8	A (rms)
Stall torque	2.8	Nm
Stall current	4.08	A (rms)
No load speed	5280	rpm
EMF constant ±10%	41.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.686	Nm / A (rms)
Torque constant ±10% @ rated load	0.590	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.50	ms
Winding terminal resistance	2.8	Ω
Rotary field terminal inductance	7.01	mH

Certifications & customs info	
HS Code	85015220
UL isolation	Compliant

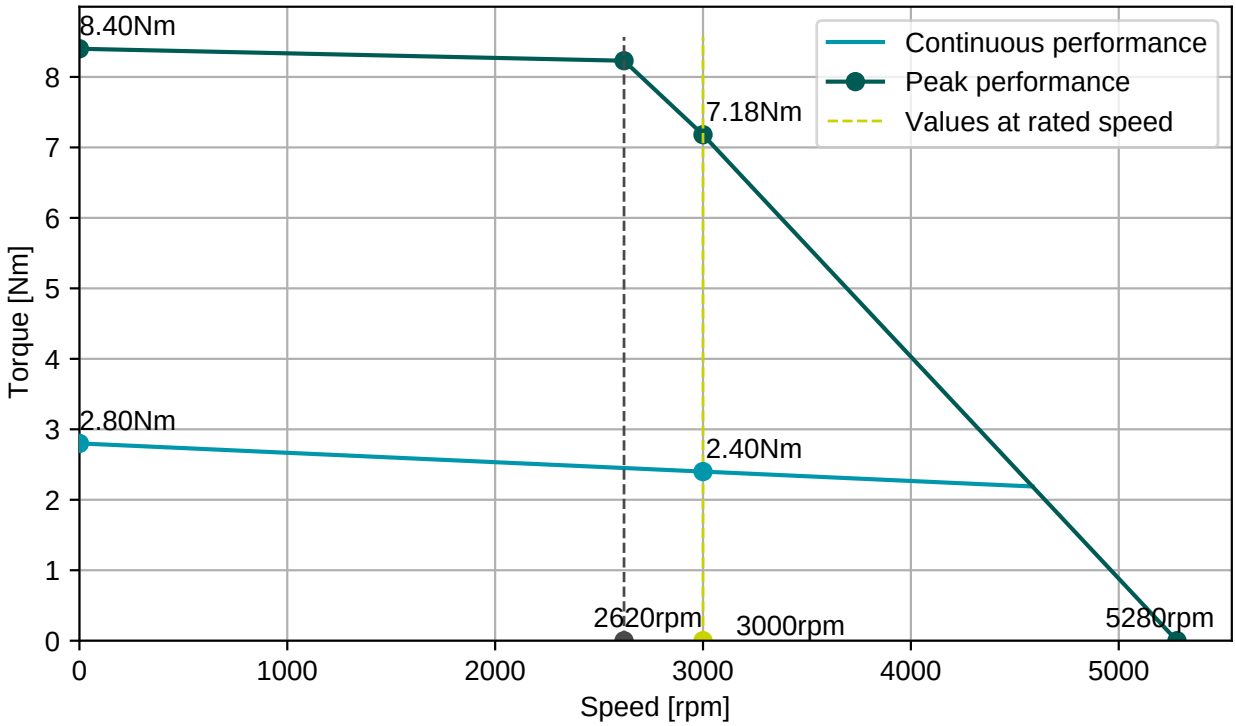
Mechanical data (setting 6)		
Max mechanical speed	12000	rpm
Mech. time constant	0.82	ms
Thermal time constant	25	min
Rotor inertia	0.8	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	2.15	kg

Sensors	
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (TAMAGAWA-TS2620N21E11)

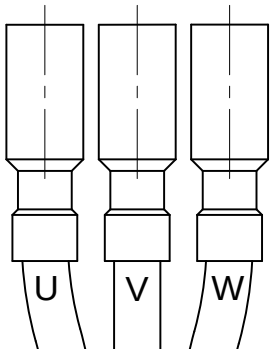
Note

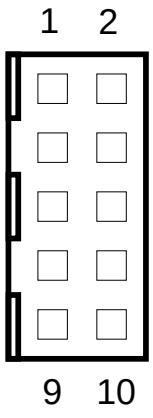
- Resolver+temperature sensor+brake wires, (including connector) – length 70 mm from B-flange
Resolver wires entangled in a braid and covered by tube
- U, V, W including connectors - length 65mm from B-flange

Torque / speed curve



Female Bullet Terminal - size 4

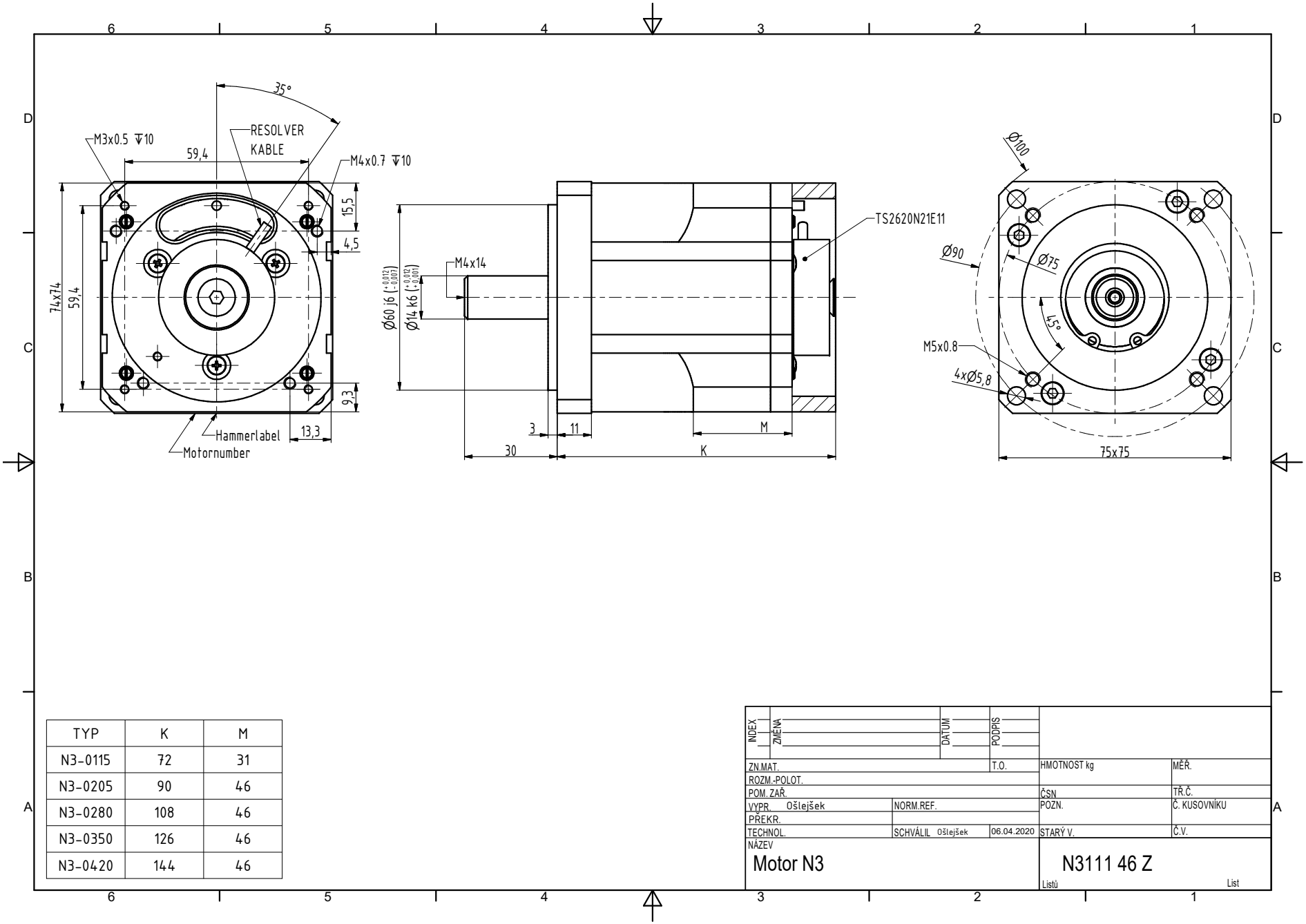




Connector 1 (55)	
white	U
blue	V
red	W

Wires ends assembled by round Female Bullet Terminal - H4 (Rundsteckhülse spritzwassergeschützt - H4)

Connector 2 (170)	
1	S1 (red)
2	S3 (black)
3	S4 (blue)
4	S2 (yellow)
5	R2 (yellow/white)
6	R1 (red/white)
7	Brake+
8	Brake-
9	Therm-
10	Therm+



TYP	K	M
N3-0115	72	31
N3-0205	90	46
N3-0280	108	46
N3-0350	126	46
N3-0420	144	46

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	06.04.2020	STARÝ V.	Č.V.

NÁZEV
Motor N3

N3111 46 Z

Listů List