Engineering data (WIN 911)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	153	V AC (rms)
Rated power	597	W
Rated speed	3000	rpm
Rated torque	1.90	Nm
Rated current	3.06	A (rms)
Peak torque	6.15	Nm
Peak current	12.7	A (rms)
Stall torque	2.05	Nm
Stall current	2.79	A (rms)
No load speed	4920	rpm
EMF constant ±10%	44.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.74	Nm / A (rms)
Torque constant ±10% @ rated load	0.62	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.53	ms
Winding terminal resistance	5.26	Ω
Rotary field terminal inductance	13.3	mH

Certifications & customs info	
HS Code	85015100
UL isolation	Compliant

Mechanical data (setting 6)		
Max mechanical speed	12000	rpm
Mech. time constant	0.92	ms
Thermal time constant	23	min
Rotor inertia	0.55	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	2.2	kg

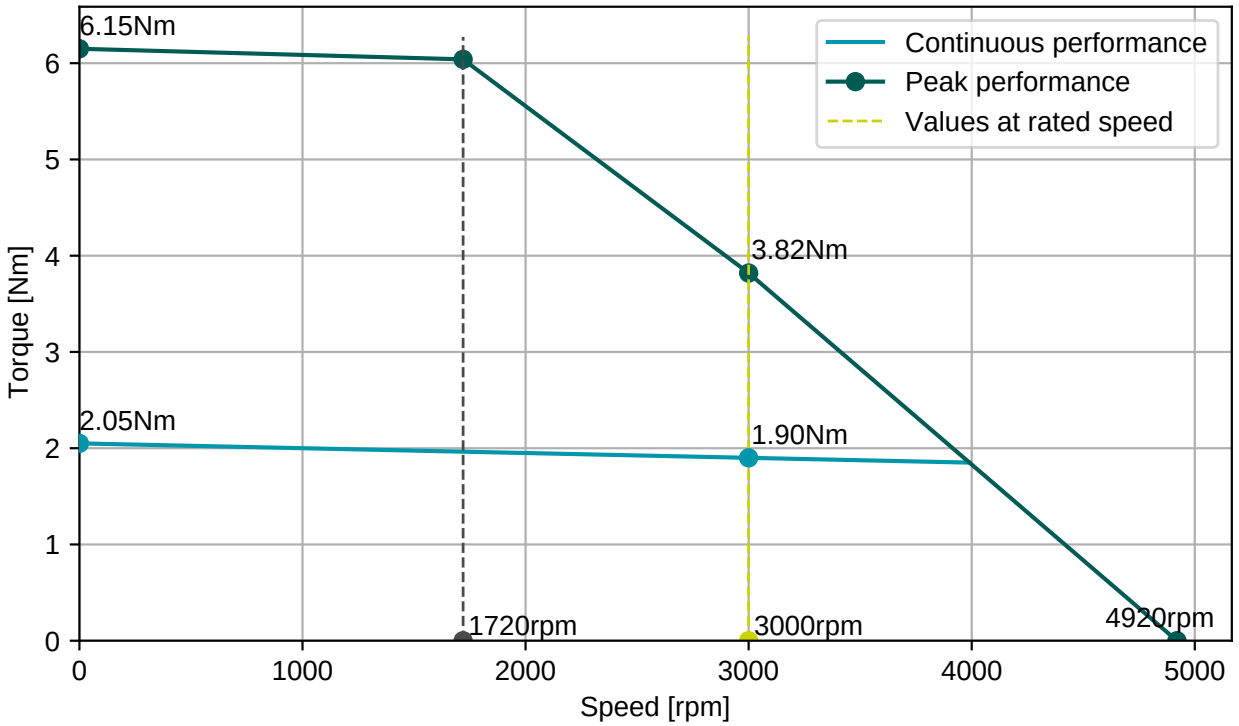
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits

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

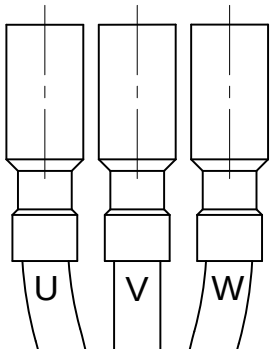
Note

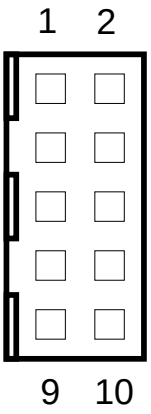
- Encoder+temperature sensor+brake wires, (including connector) – length 70 mm from B-flange
- U, V, W including connectors - length 65mm from B-flange

Torque / speed curve



Female Bullet Terminal - size 4

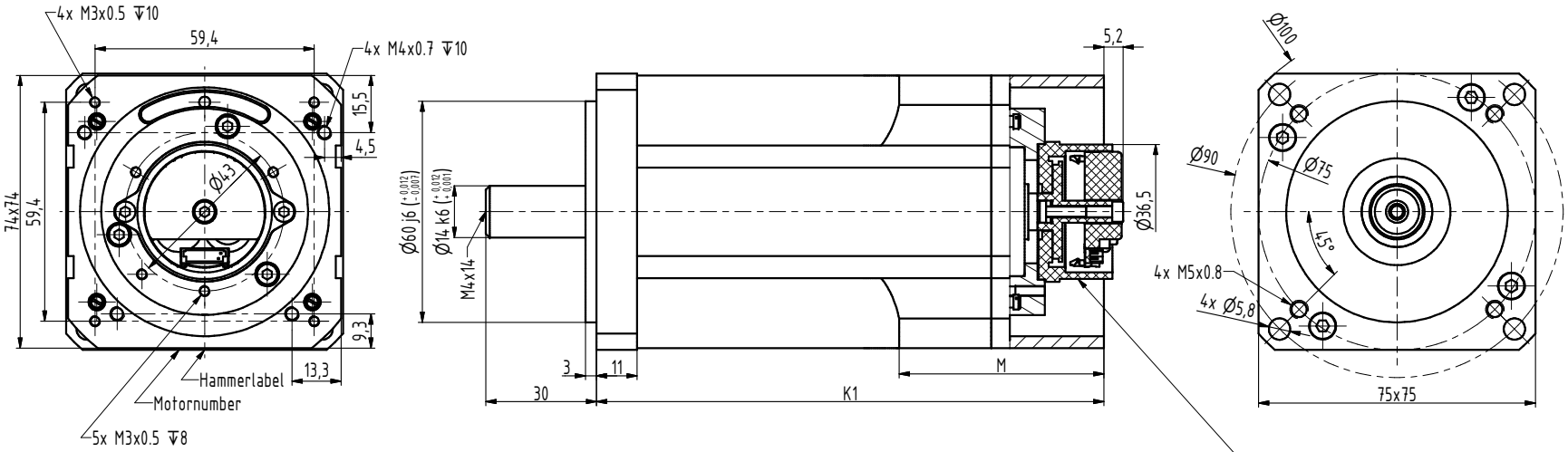




Connector 1 (55)	
white	U
blue	V
red	W

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

Connector 2 (475)	
1	GND
2	Vcc (+5V)
3	CLOCK-
4	CLOCK
5	DATA-
6	DATA
7	Brake+
8	Brake-
9	Therm-
10	Therm+



TYP	K1	M
N3-0115	119,5	55.5
N3-0205	137,5	55.5
N3-0280	155,5	55.5
N3-0350	173,5	55.5
N3-0420	191,5	55.5

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	27.10.2022	STARÝ V.	Č.V.

NÁZEV
Motor N3

N3147 04 B Z

Listů List