Engineering data (WIN 11)		
DC bus voltage	320	V DC
Nominal AC voltage	200	V AC (rms)
Rated voltage	150	V AC (rms)
Rated power	270	W
Rated speed	3000	rpm
Rated torque	0.86	Nm
Rated current	1.43	A (rms)
Peak torque	2.4	Nm
Peak current	5.4	A (rms)
Stall torque	0.95	Nm
Stall current	1.47	A (rms)
No load speed	5080	rpm
EMF constant ±10%	39	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.65	Nm / A (rms)
Torque constant ±10% @ rated load	0.60	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.86	ms
Winding terminal resistance	9.93	Ω
Rotary field terminal inductance	28.4	mH

Certifications & customs info	
HS Code	85015100
UL isolation	Compliant

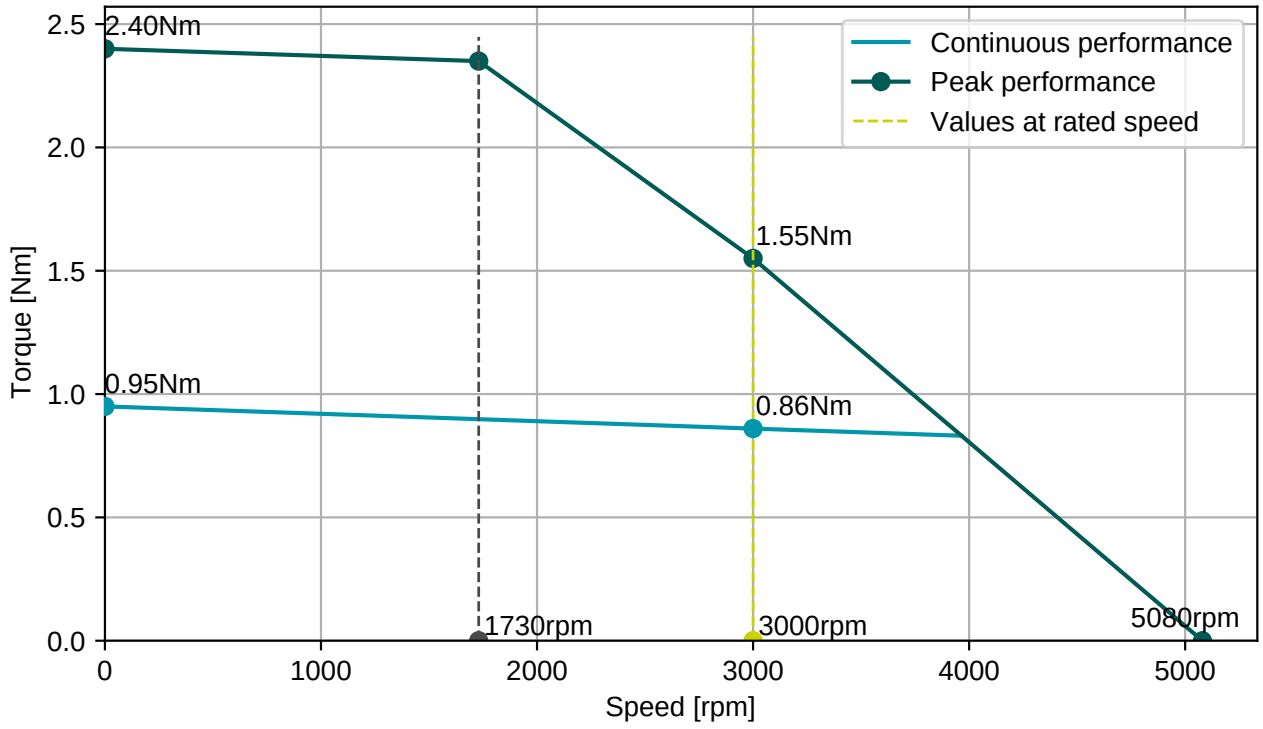
Mechanical data (setting 6)		
Max mechanical speed	12000	rpm
Mech. time constant	2.07	ms
Thermal time constant	25	min
Rotor inertia	0.5	kgcm²
Protection	IP67	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	2.25	kg

Sensors	
Temperature	KTY 84-130 {KTY 84-130 Reissmann}
Feedback	2-pole resolver (TAMAGAWA-TS2620N21E11)

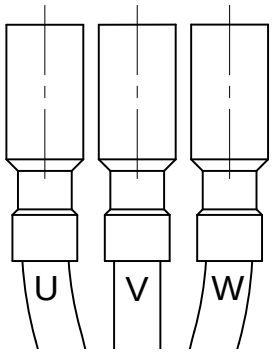
Note

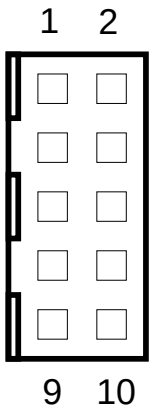
- Resolver+temperature sensor+brake wires, (including connector) – length 75 mm from B-flange
- U, V, W including connectors - length 70mm from B-flange

Torque / speed curve



Female Bullet Terminal - size 4

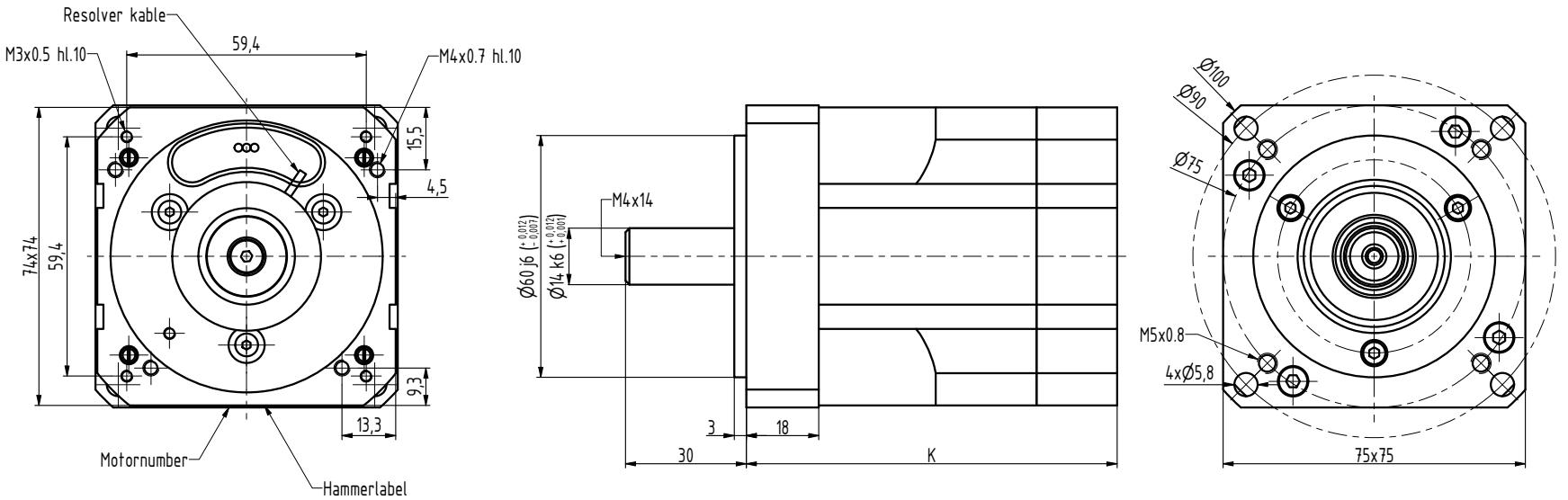




Connector 1 (55)	
white	U
blue	V
red	W

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
H3-0080	92
H3-0160	110
H3-0270	146
H3-0350	182

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. Šimík 25.1.2019					
TECHNOL.	SCHVÁLIL Ošlejšek	21.10.2015		STARÝ V.	Č.V.

NÁZEV
Motor H3

H3108 03 Z

Listů List