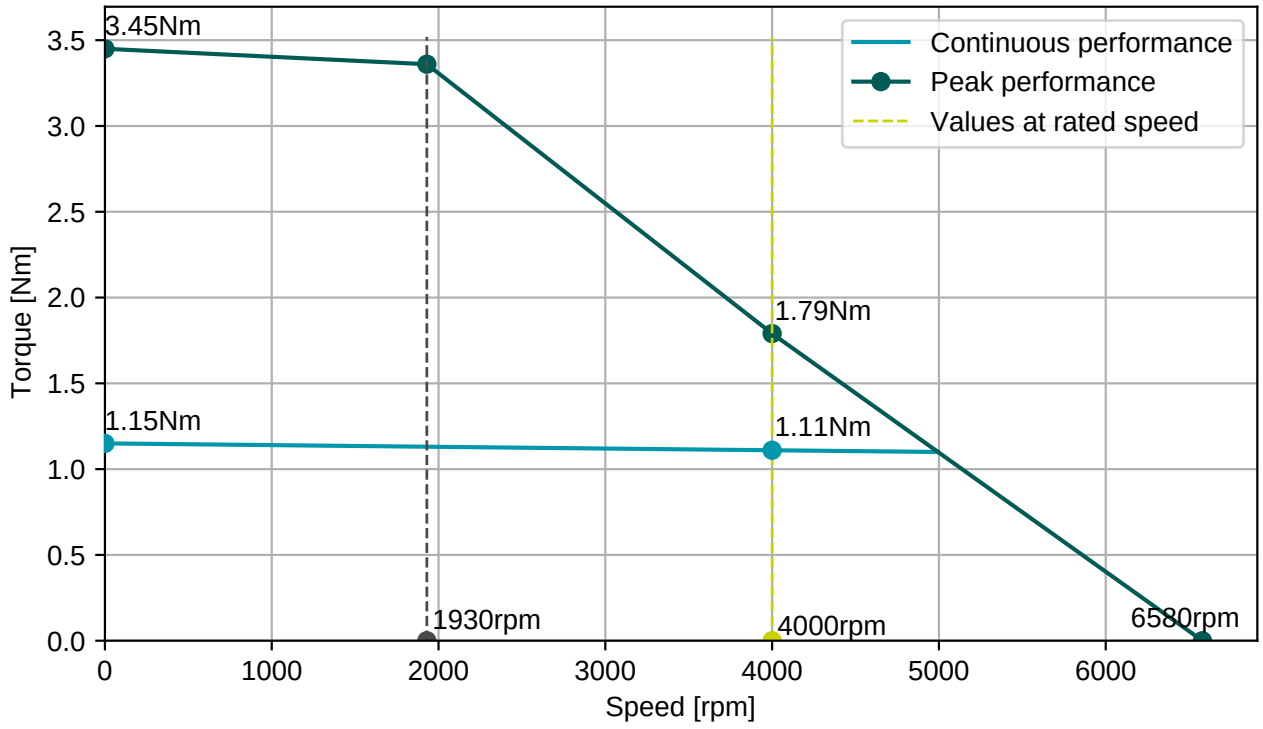
Engineering data (WIN 1312)		
DC bus voltage	48	V DC
Nominal AC voltage	33	V AC (rms)
Rated voltage	25	V AC (rms)
Rated power	465	W
Rated speed	4000	rpm
Rated torque	1.11	Nm
Rated current	15.96	A (rms)
Peak torque	3.45	Nm
Peak current	61.6	A (rms)
Stall torque	1.15	Nm
Stall current	14	A (rms)
No load speed	6580	rpm
EMF constant ±10%	5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.082	Nm / A (rms)
Torque constant ±10% @ rated load	0.070	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.25	ms
Winding terminal resistance	0.173	Ω
Rotary field terminal inductance	0.39	mH

Customs info	
HS Code	85015100

Mechanical data (setting 5)		
Max mechanical speed	12000	rpm
Mech. time constant	1.36	ms
Thermal time constant	21	min
Rotor inertia	0.31	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	

Sensors	
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

Torque / speed curve



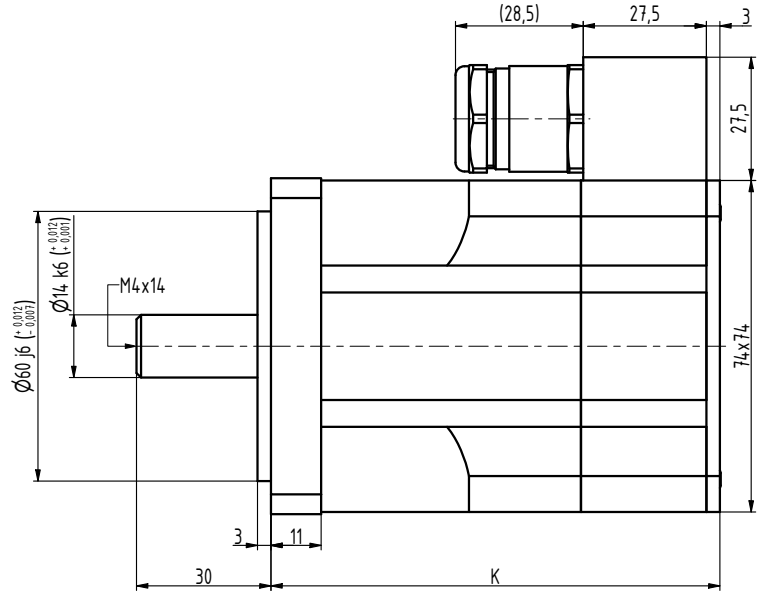
Cable SF4x2,5/2x(2x0,75), D=14,1±0,5mm

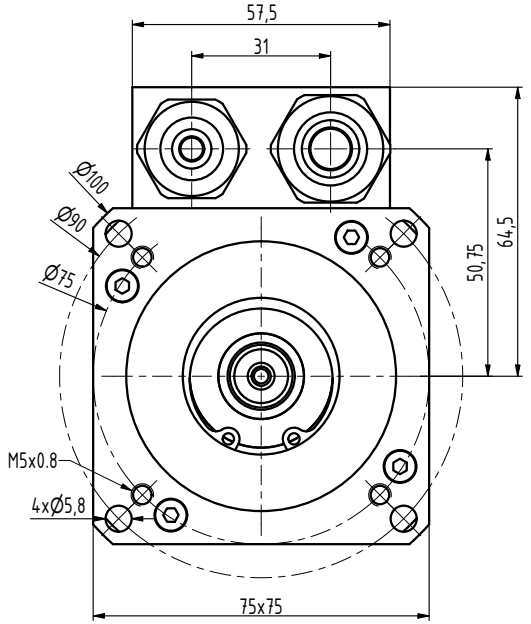
Connector 1 (21)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-

Numbers printed on the cables

Cable R4x2x0,25, D=6,8±0,4mm

Connector 2 (22)	
white	R1
brown	R2
grey	S1
green	S2
pink	S3
yellow	S4
red	Therm+
blue	Therm-





TYP	K
N3-0115	82
N3-0205	100
N3-0280	118
N3-0350	136
N3-0420	154
N3-0480	172

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	23.06.2026	STARÝ V.	Č.V.
NÁZEV	Motor N3			N3111 xx Z	
				Listů	List