Engineering data (WIN -100091)		
DC bus voltage	48	V DC
Nominal AC voltage	33	V AC (rms)
Rated voltage	24	V AC (rms)
Rated power	314	W
Rated speed	1500	rpm
Rated torque	2.00	Nm
Rated current	11.23	A (rms)
Peak torque	6.15	Nm
Peak current	41.85	A (rms)
Stall torque	2.05	Nm
Stall current	10.33	A (rms)
No load speed	2730	rpm
EMF constant ±10%	12	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.2	Nm / A (rms)
Torque constant ±10% @ rated load	0.2	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.43	ms
Winding terminal resistance	0.411	Ω
Rotary field terminal inductance	1	mH

Customs info	
HS Code	85015100

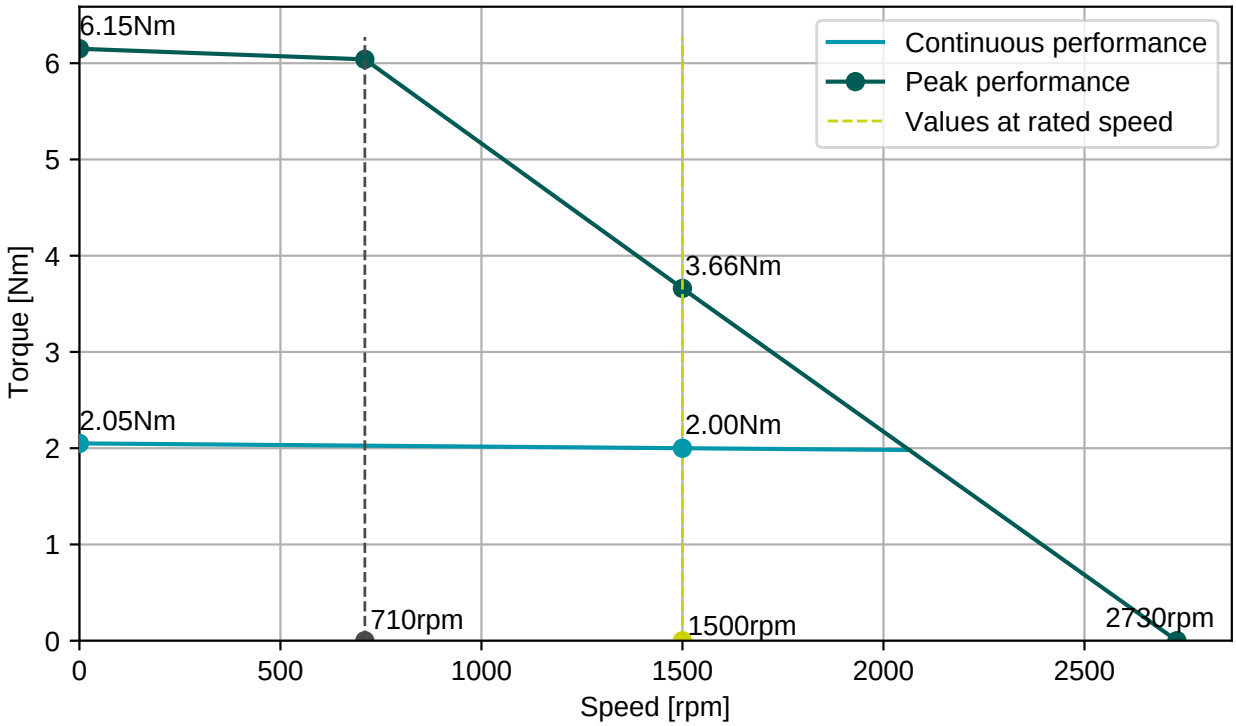
Mechanical data (setting 29)		
Max mechanical speed	12000	rpm
Mech. time constant	0.99	ms
Thermal time constant	23	min
Rotor inertia	0.55	kgcm²
Protection	IP65	
Color	EPOX3 (RAL 9005)	
Cooling	Convection	
Max. axial force 20kh	71	N
Max. radial force 20kh*	373	N
Max. axial force 100kh	41	N
Max. radial force 100kh*	218	N

** Defined for point of action at ½ output shaft length*

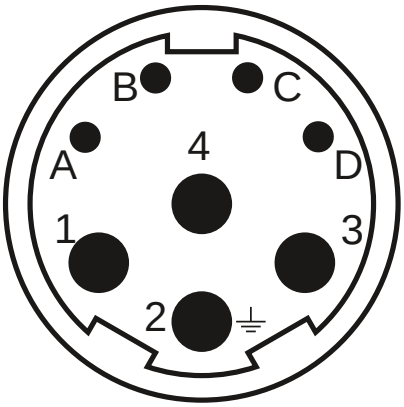
Sensors	
Temperature	PT1000 {PT1000}
Feedback	ELM35 (24+12 bits, BISS-C, multi-turn)

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

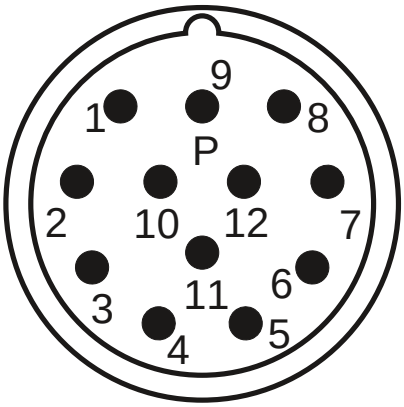
Torque / speed curve



BFC110N00000207000
M23, 8 poles, rectangular

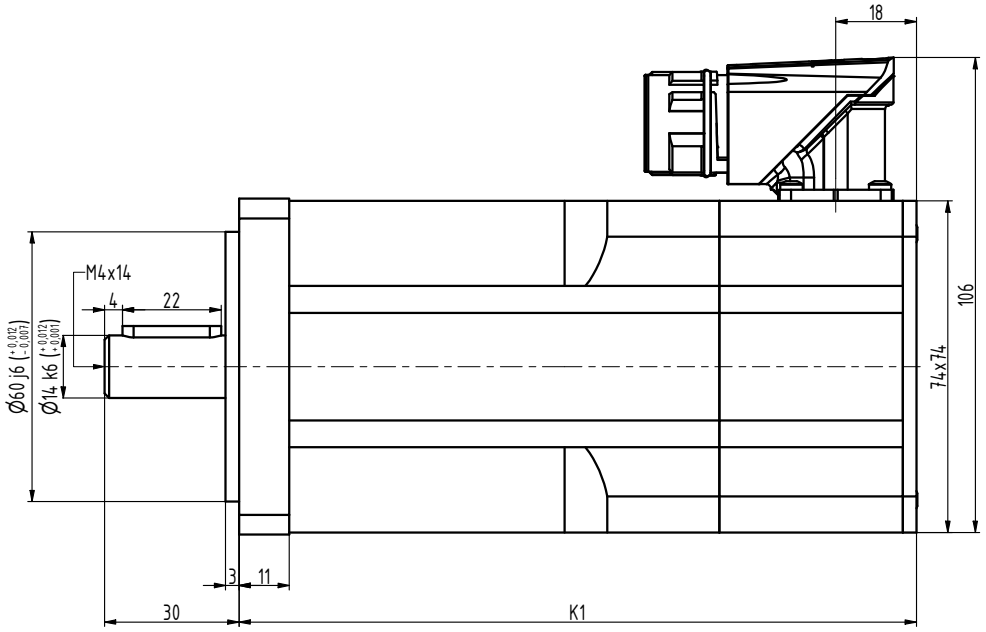


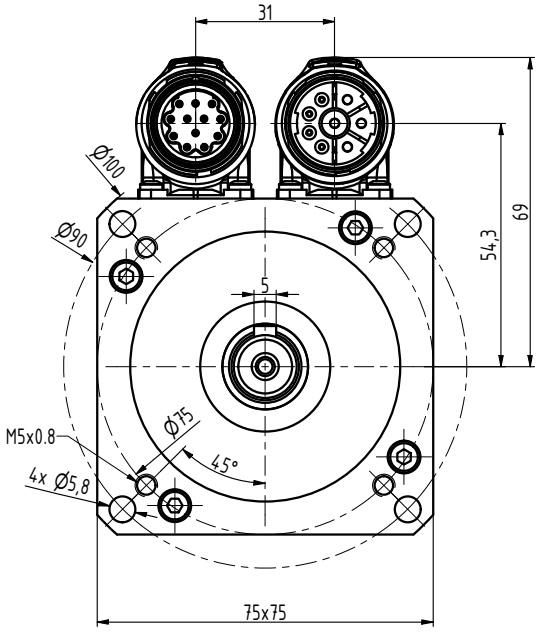
AFC114N00000214000
M23, 12 poles, rectangular



Connector 1 (9)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (458)	
1	Vcc
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-





TYP	K1
N3-0115	133
N3-0205	151
N3-0280	169
N3-0350	187
N3-0420	205
N3-0480	223

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	09.07.2026	STARÝ V.	Č.V.
NÁZEV	Motor N3			N3147 xx BP Z_S1	
				Listů	List