Engineering data (WIN -100103)		
DC bus voltage	24	V DC
Nominal AC voltage	17	V AC (rms)
Rated voltage	14	V AC (rms)
Rated power	188	W
Rated speed	1000	rpm
Rated torque	1.80	Nm
Rated current	12.27	A (rms)
Peak torque	5.2	Nm
Peak current	47.19	A (rms)
Stall torque	1.9	Nm
Stall current	11.77	A (rms)
No load speed	1720	rpm
EMF constant ±10%	9.8	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.16	Nm / A (rms)
Torque constant ±10% @ rated load	0.15	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.52	ms
Winding terminal resistance	0.27	Ω
Rotary field terminal inductance	0.68	mH

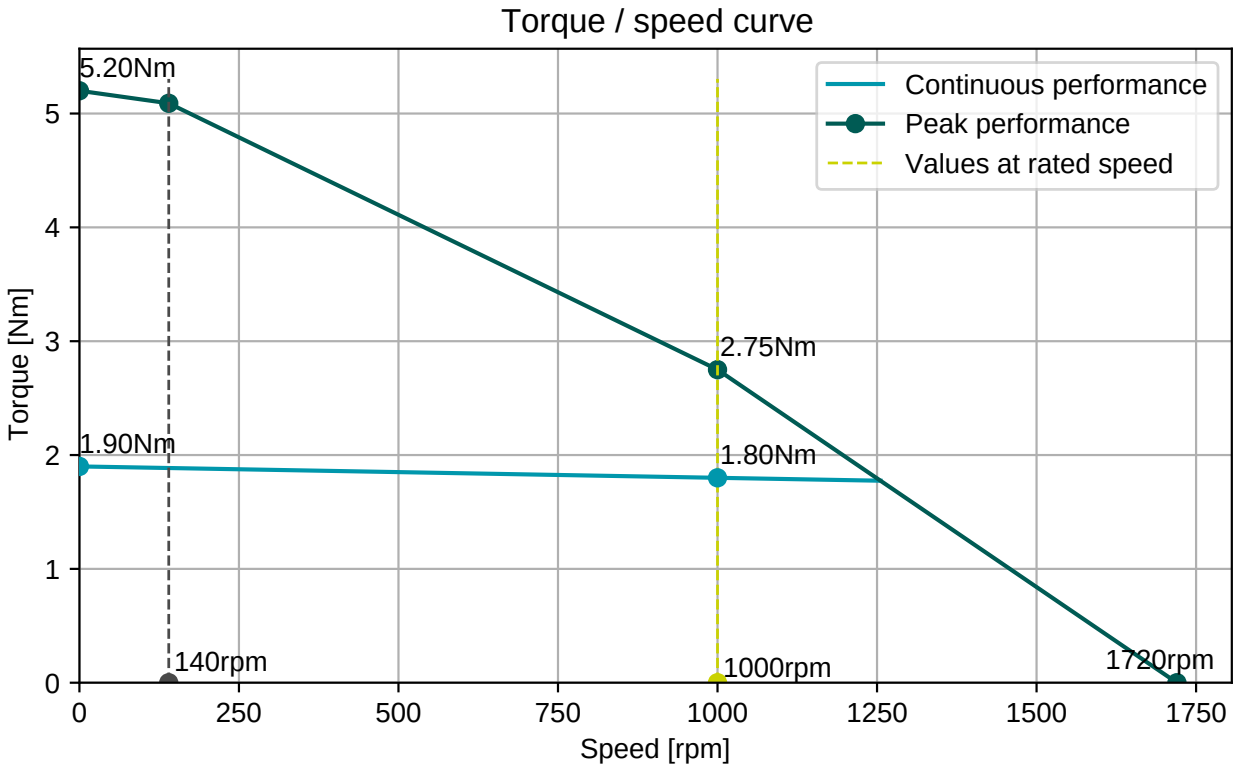
Customs info	
HS Code	85015100

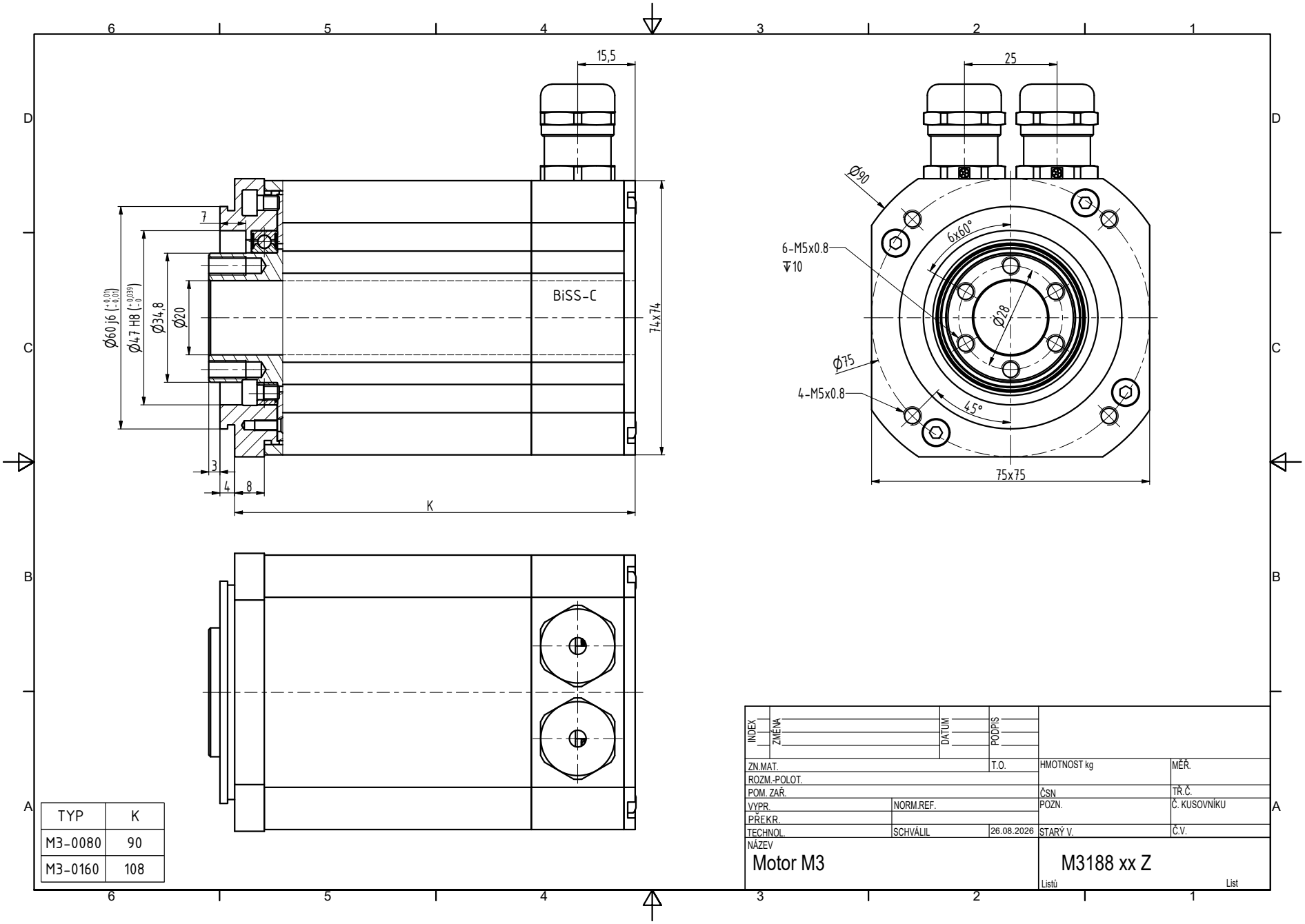
Mechanical data (setting 0)		
Max mechanical speed	12000	rpm
Mech. time constant	1.25	ms
Thermal time constant	28	min
Rotor inertia	0.7	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	

Sensors	
Temperature	PT1000 {PT1000}

Note

We assume BISS-C. The resolution should be specified.


Torque / speed curve
Continuous performance
Peak performance
Values at rated speed
5.20Nm
2.75Nm
1.90Nm
1.80Nm
140rpm
1000rpm
1720rpm
Torque [Nm]
Speed [rpm]
0
1
2
3
4
5
0
250
500
750
1000
1250
1500
1750



TYP	K
M3-0080	90
M3-0160	108

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	26.08.2026	STARÝ V.	Č.V.

NÁZEV
Motor M3

M3188 xx Z

Listů List