Engineering data (WIN 1621)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	167	V AC (rms)
Rated power	539	W
Rated speed	5000	rpm
Rated torque	1.03	Nm
Rated current	2.24	A (rms)
Peak torque	6.65	Nm
Peak current	14	A (rms)
Stall torque	1.75	Nm
Stall current	3.16	A (rms)
No load speed	6540	rpm
EMF constant ±10%	33.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.554	Nm / A (rms)
Torque constant ±10% @ rated load	0.460	Nm / A (rms)
Number of poles	10	
Electrical time constant	1.43	ms
Winding terminal resistance	3.607	Ω
Rotary field terminal inductance	5.17	mH

Customs info	
HS Code	85015100

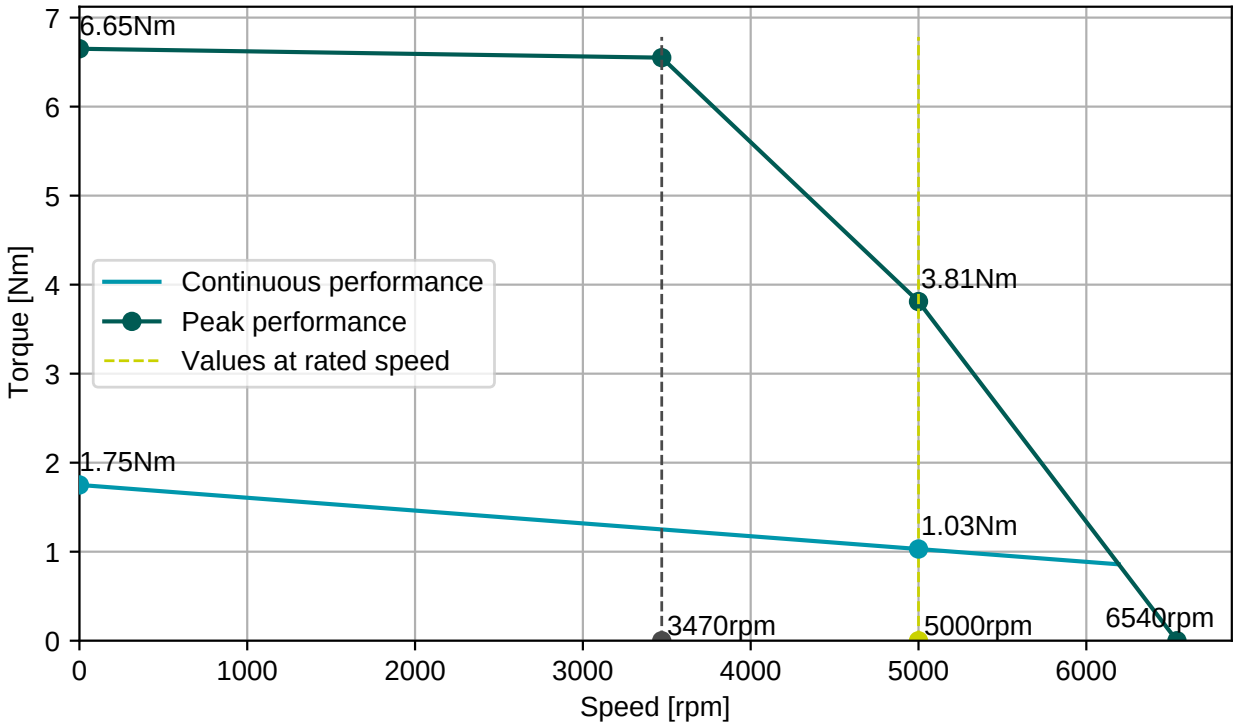
Mechanical data (setting 49)		
Max mechanical speed	12000	rpm
Mech. time constant	1.38	ms
Thermal time constant	28	min
Rotor inertia	0.68	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	2.4	kg
Max. axial force 20kh	54	N
Max. radial force 20kh*	283	N
Max. axial force 100kh	31	N
Max. radial force 100kh*	165	N

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

Sensors	
Temperature	PT1000 {PT1000}
Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits

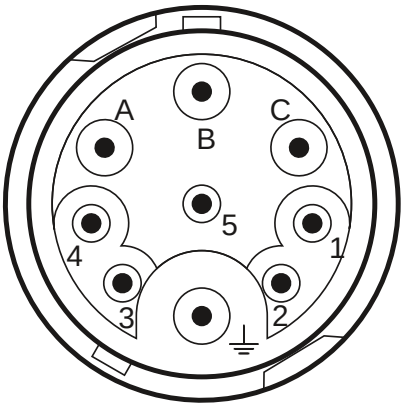
Brake		
Braking torque	4.50	Nm
Voltage	24	V DC
Power @20°C	12.0	W
Current @20°C	0.50	A
Inertia	0.20	kgcm²
Mass	0.47	kg

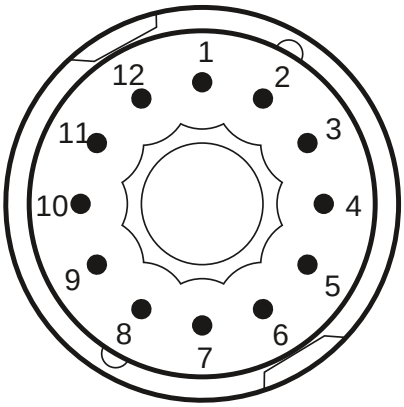
Torque / speed curve



EGA101N00000001000

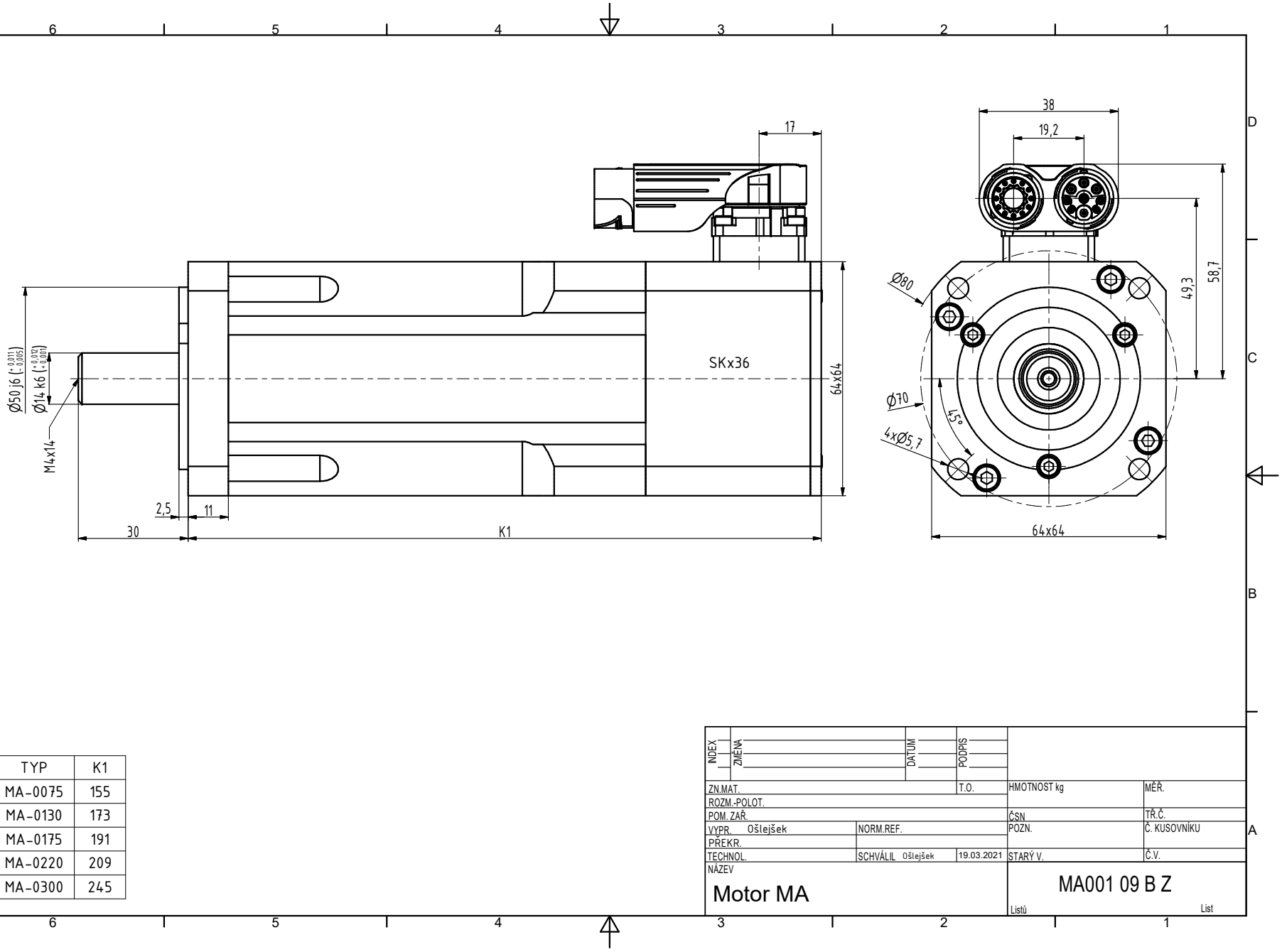
2x M15, 9 and 12 poles rotary





Connector 1 (226)	
A	U
B	V
C	W
PE	PE
1	Brake+
2	Brake-

Connector 2 (208)	
1	Us
2	GND
3	+ COS
4	REFCOS
5	REFSIN
6	+ SIN
7	Therm+
8	Therm-
9	Data +
10	Data -



TYP	K1
MA-0075	155
MA-0130	173
MA-0175	191
MA-0220	209
MA-0300	245

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	19.03.2021	STARÝ V.	Č.V.

NÁZEV

Motor MA

MA001 09 B Z

Listů List