Engineering motordata (WIN -100099)		
DC bus voltage	130	V DC
Nominal AC voltage	90	V AC (rms)
Rated voltage	73	V AC (rms)
Rated power	1.0	kW
Rated speed	3000	rpm
Rated torque	3.20	Nm
Rated current	9.18	A (rms)
Peak torque	11.1	Nm
Peak current	44.38	A (rms)
Stall torque	4.05	Nm
Stall current	11.13	A (rms)
No load speed	4080	rpm
EMF constant ±10%	22	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.36	Nm / A (rms)
Torque constant ±10% @ rated load	0.35	Nm / A (rms)
Number of poles	10	
Electrical time constant	5.03	ms
Winding terminal resistance	0.3	Ω
Rotary field terminal inductance	1.51	mH

Customs info	
HS Code	85015220

Mechanical motor data (setting 74)		
Max mechanical speed	9000	rpm
Mech. time constant	0.94	ms
Thermal time constant	37	min
Rotor inertia	2.4	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	

Sensors	
Temperature	PT1000 {PT1000}
Feedback	AD36 (BISS-C) multi-turn, 22+12 bits, 5 VDC

Gearbox engineering data		
Gear ratio	89	
Efficiency*	70	%
Torsional stiffness	22	Nm/arcmin
Rated output torque	130	Nm
Max output torque	325	Nm
Rated input speed	2000	rpm
Max input speed	4500	rpm
Operating temperature	<-25; 50>	°C
Max. backlash	< 1.5	arcmin
Service life	6000	h

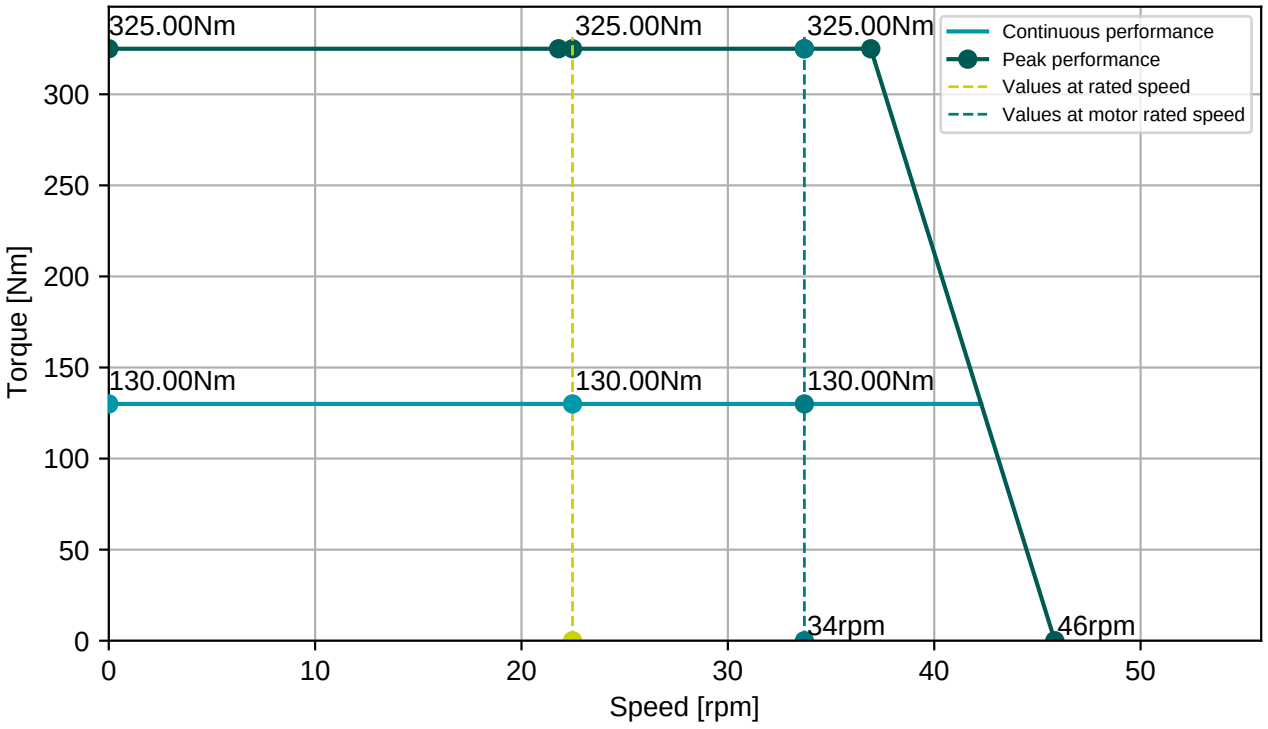
** at rated speed & torque*

Lubrication	
Type	Standard
Lubricant	Mobil Gear SHC 150

Gearbox mechanical data		
Max. radial force	9300	N
Max. axial force	13100	N
Output shaft design	Flange	
Mass	4.2	kg
Input inertia	0.16	kgcm²
Protection	IP64	

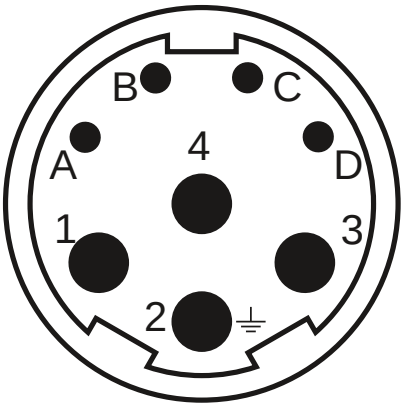
Actuator data		
Rated speed	22	rpm
Rated torque	130.00	Nm
Peak torque	325.00	Nm
EMF constant ±10%	1958.0	V AC (rms) / 1000rpm
Torque constant ±10% @ rated load	21.72	Nm / A (rms)
Output inertia	20277.8	kgcm²

Torque / speed curve



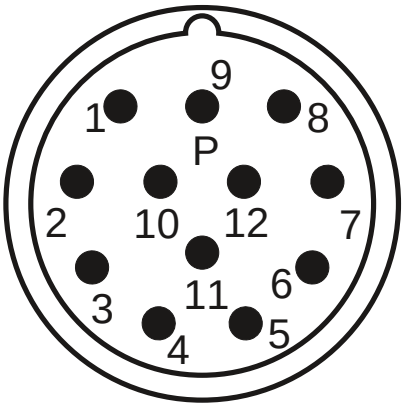
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M23, 8 poles, rotary



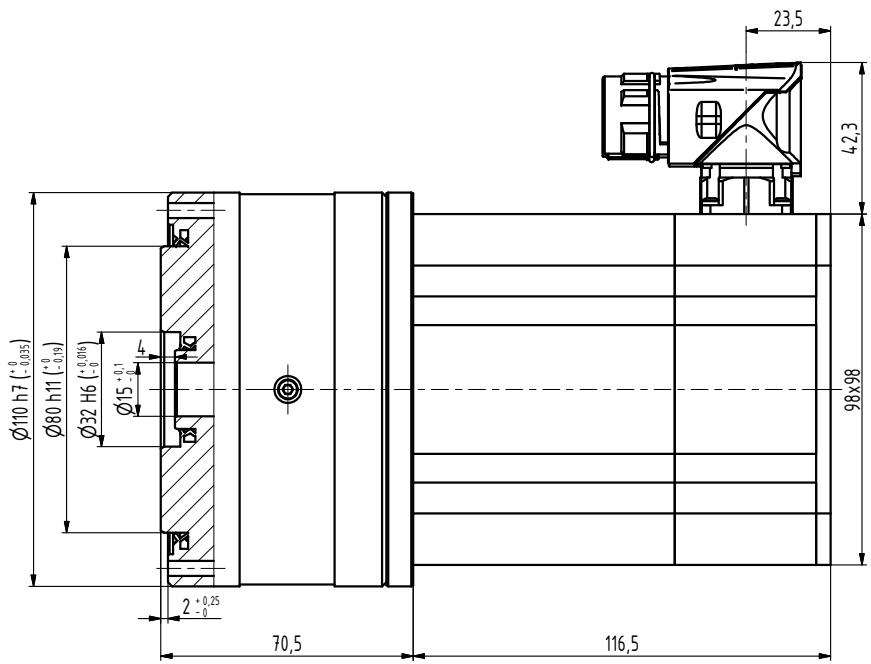
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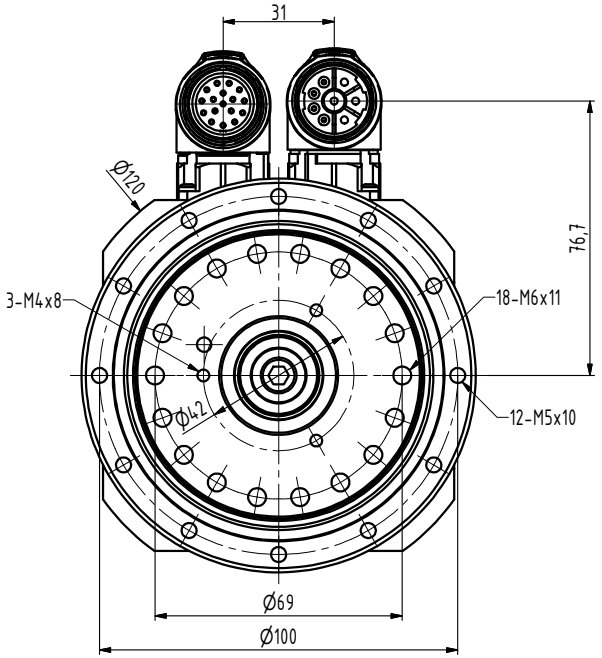
M23, 12 poles, rotary

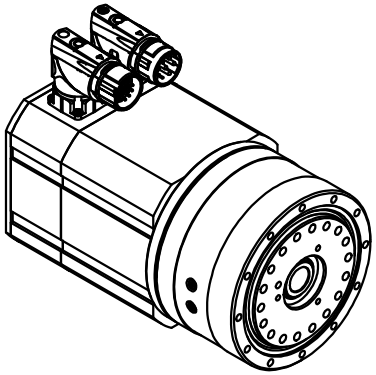


Connector 1 (9)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

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







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	23.10.2017	STARÝ V.	Č.V.

NÁZEV

Motor M4-0370 / C1Q130C

M4145 04 Z

Listů List