

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
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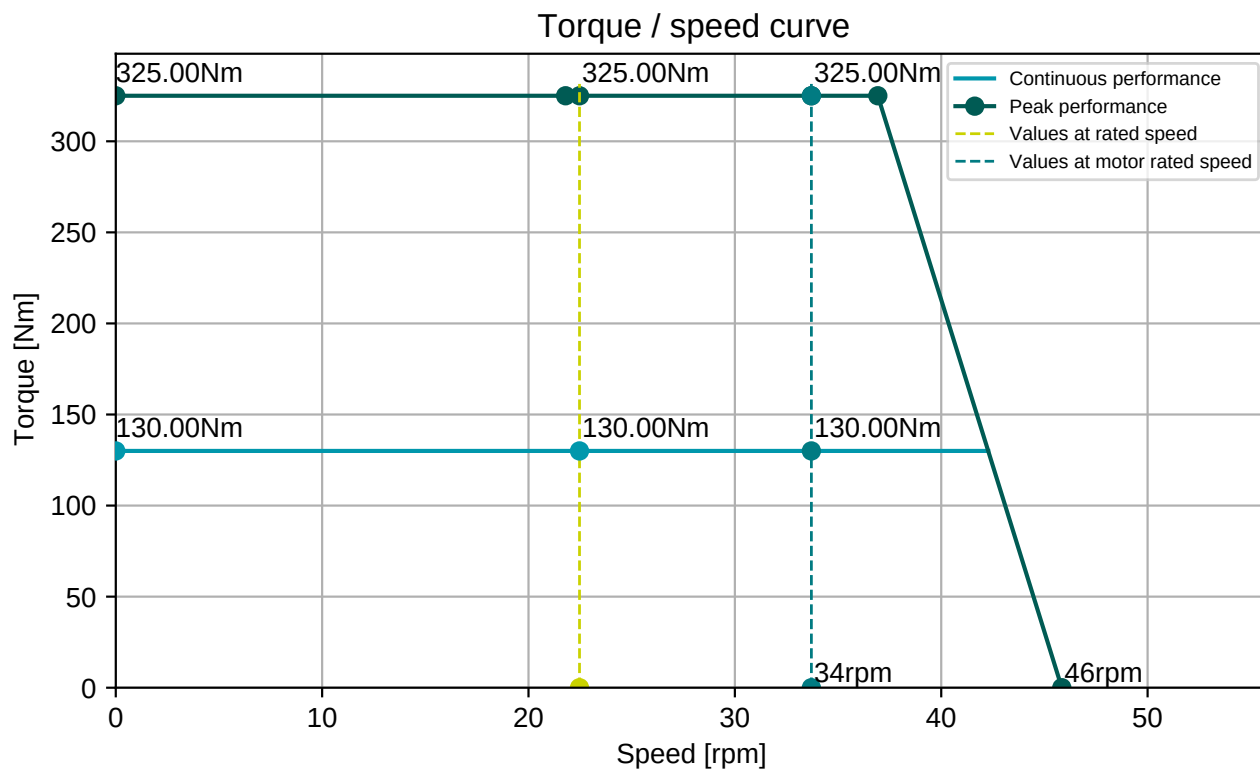
Mechanical motor data (setting 74)

Max mechanical speed	9000 rpm
Mech. time constant	0.94 ms
Thermal time constant	37 min
Rotor inertia	2.4 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection

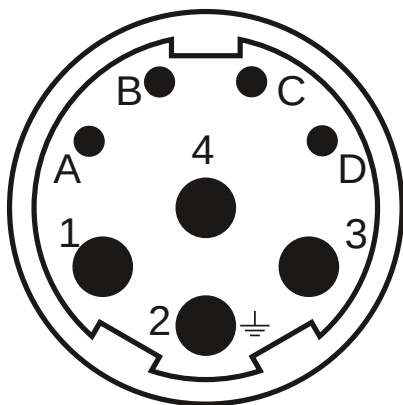
Sensors

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

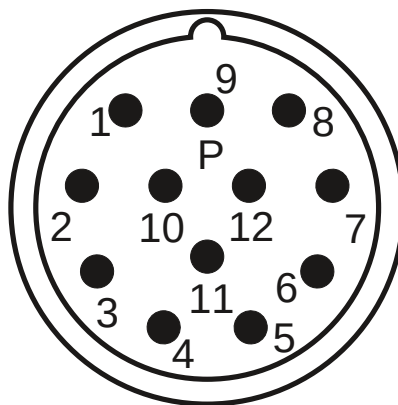
Gearbox engineering data		Gearbox mechanical data	
Gear ratio	89	Max. radial force	9300 N
Efficiency	70 %*	Max. axial force	13100 N
Torsional stiffness	22 Nm/arcmin	Output shaft design	Flange
Rated output torque	130 Nm	Mass	4.2 kg
Max output torque	325 Nm	Input inertia	0.16 kgcm ²
Rated input speed	2000 rpm	Protection	IP64
Max input speed	4500 rpm	Actuator data	
Operating temperature	<-25; 50> °C	Rated speed	22 rpm
Max. backlash	< 1.5 arcmin	Rated torque	130.00 Nm
Service life	6000 h	Peak torque	325.00 Nm
* at rated speed & torque		EMF constant ±10%	1958.0 V AC (rms) / 1000rpm
Lubrication		Torque constant ±10% @	21.72 Nm / A (rms)
Type	Standard	rated load	
Lubricant	Mobil Gear SHC 150	Output inertia	20277.8 kgcm ²


BGC110N00001216000

M23, 8 poles, rotary


AGC052N00001215000

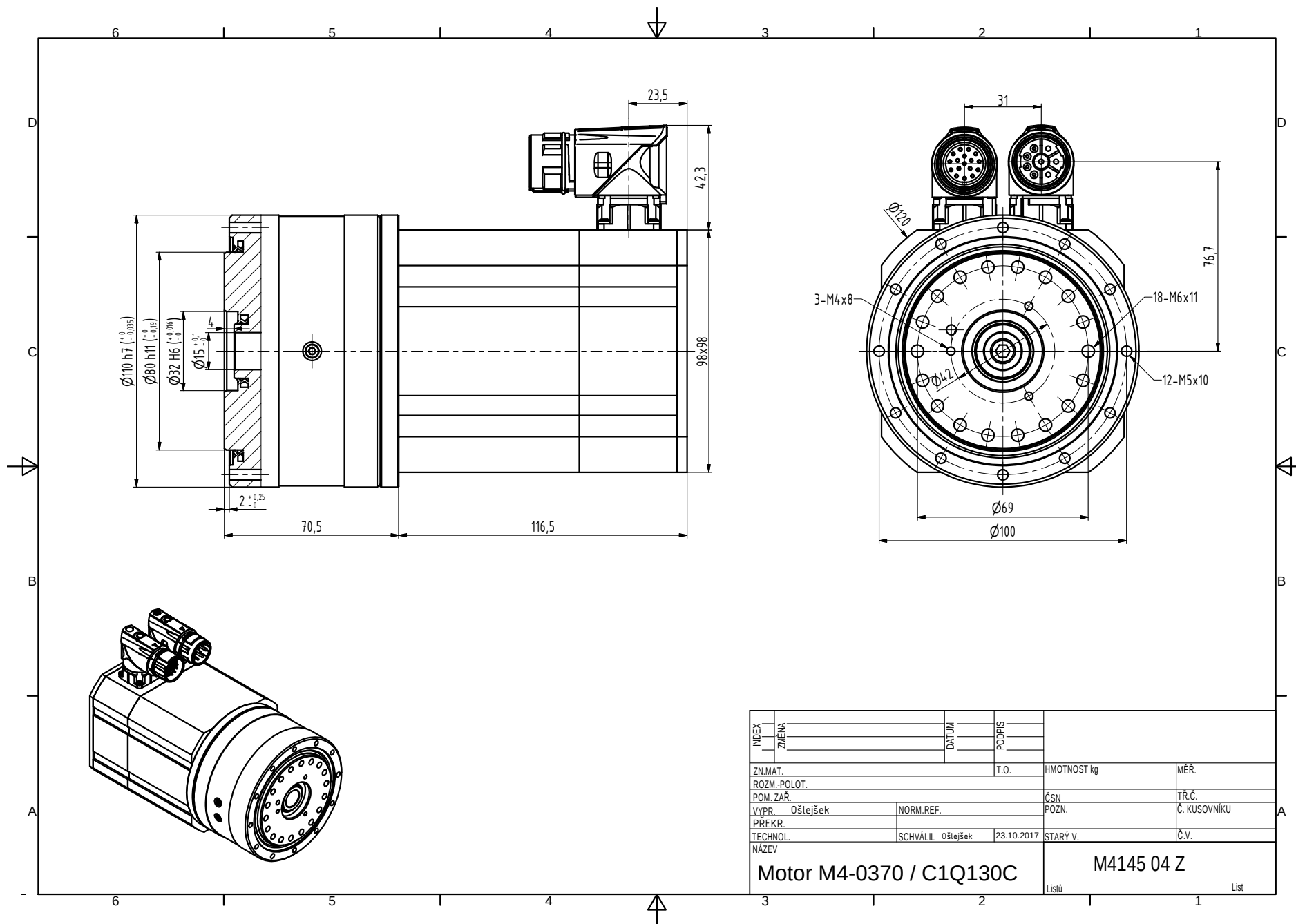
M23, 12 poles, rotary


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	ZNĚNA	DATUM	PODPIS			
ZN.MAT.			T.O.	HMOTNOST kg	MĚŘ.	
ROZM.-POLOT.				ČSN	TR.Č.	
POM. ZAŘ.				POZN.	Č. KUSOVNIKU	
VYPR. Ošlejšek	NORM.REF.			Č.V.		
PŘEKR.	SCHVÁLIL Ošlejšek	23.10.2017	STARÝ V.	Č.V.		
TECHNOL.						
NÁZEV	Motor M4-0370 / C1Q130C			M4145 04 Z		
				i listů	List	