# Ref. MR CI 100 UO3A - 38 x 300 - 6,46 B3 without

motor

**Technical Report 1.0** 

2014.05 n. 632115

21/09/2016

Standard product : Yes

DE-16-001637/00 pos. 2

Rossi

Bevel helical Gearmotor - G series

Motor catalogue TX11 (Frequency 50 Hz)

Application	given	data
N.A.		

# **Designation:** MR CI 100 UO3A - 38 x 300 - 6,46 B3 without motor Mounting position B3, $n_1 = 1400$ [min<sup>-1</sup>]

### Accessories and special designs

High input speed (N)

<b>Reducer/Gearmotor specifications</b> Transmission ratio i Output speed $n_2$ Input speed $n_1$ Input power $P_1$ Output torque $M_2$ Service factor $f_s$ Efficiency Mass of gear reducer (without motor) Previsional lubricant quantity ISO viscosity grade (T 10-40 °C)	[min <sup>-1</sup> ] [min <sup>-1</sup> ] [kW] [N m] [kg] [ l ] [cSt]	6,46 217 1400 N.A. N.A. 0,96 45 2,6 220
Nominal Data Nominal input power $P_{N1}$ Nominal output power $P_{N2}$ Nominal output torque $M_{N2}$ Maximum output torque $M_{2max}$	[kW] [kW] [N m] [N m]	15,9 15,3 672 1076
Verifications Safety factor on M <sub>2peak</sub> Thermal power verfication External loads verificaton		N.A. N.A. N.A.

Top view with M.P. B3



N.A: Not Applied

The results of calculations in this document have no validity in terms of warranty. Computing: a) are theoretical, b) are based on the assumptions for optimal working conditions specified on Rossi catalogues, c) they rely on the truthfulness of given input data for which the customer is the only responsible, d) any omitted data or not taken into account by the customer voids the entire report. All contents, and information in this document are sole property of Rossi S.p.A. It cannot be disclosed for purposes other than the scope for which it has been generated under the agreement between the Customer and an authorized Rossi representative. It cannot be reproduced (in whole or in part) without explicit written permission by Rossi S.p.A. legal representative, and in this case the intellectual property of the document remains solely of Rossi S.p.A.

## Germany

Rossi GmbH e-mail: info.germany@rossi-group.com www.rossi-group.com/germany Rossi S.p.A. Via Emilia Ovest 915/A - Modena - Italy Tel. 059 330288 - Fax 059 827774 info@rossi-group.com - www.rossi-group.com

# Ref. MR CI 100 UO3A - 38 x 300 - 6,46 B3 without motor Technical Report 1.0

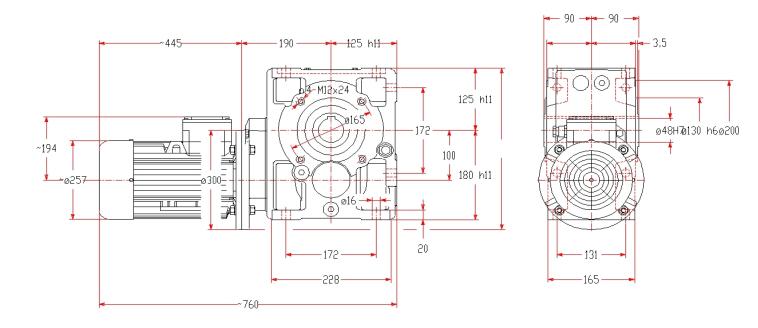
DE-16-001637/00 pos. 2

Bevel helical Gearmotor - catalogue G

Ross

Motor catalogue TX11 (Frequency 50 Hz)

Main Dimensions [mm] (only for standard gearbox, in case of non-standard design see the drawing on the next page)



a) The effective dimensions of electric motor may not match with the ones stated, in case of accessories etc.: consult us in case of trouble regarding the overall dimensions;

b) The position of motor terminal box shown in the dimensional drawing is the standard one and may not match with the really required position,

c) In case of brake motor the dimensional drawing always shows the release lever which is supplied only on request;

d) When offering a gearmotor without motor, motor dimensions stated in the drawing must be updated by the Customer according to the really applied motor;

### Informations and warnings:

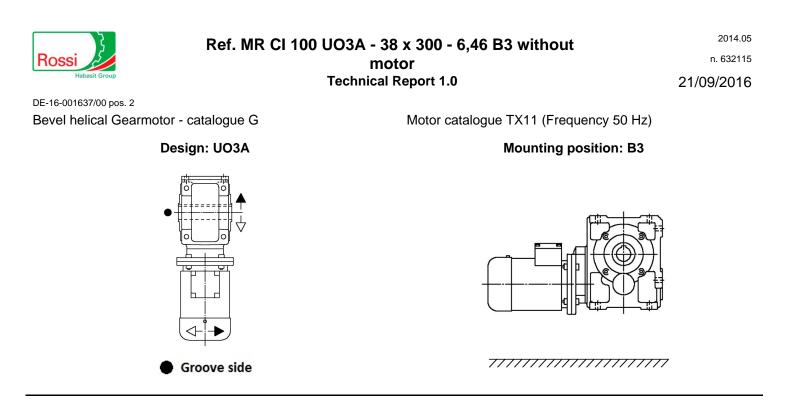
Mounting nuts: M14 UNI 5588. With screw UNI 5737, see pag. 370 Cat. G series Maximum bending moment on flange: 450 [N m]

### Notes:

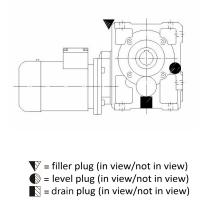
The Special Input 28x250 is not included in this technical data sheet, because it is not Standard.

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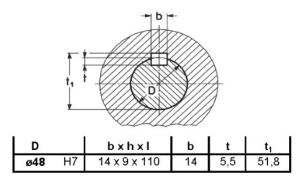
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### Plugs position (supplied without oil as standard)



Standard hollow low speed shaft



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Rossi GmbH e-mail: info.germany@rossi-group.com www.rossi-group.com/germany Rossi S.p.A. Via Emilia Ovest 915/A - Modena - Italy Tel. 059 330288 - Fax 059 827774 info@rossi-group.com - www.rossi-group.com

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