

DE-16-001637/00 pos. 2

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>]

Standard product : Yes

**Accessories and special designs**

High input speed (N)

**Reducer/Gearmotor specifications**

|                                      |                      |      |
|--------------------------------------|----------------------|------|
| Transmission ratio $i$               |                      | 6,46 |
| Output speed $n_2$                   | [min <sup>-1</sup> ] | 217  |
| Input speed $n_1$                    | [min <sup>-1</sup> ] | 1400 |
| Input power $P_1$                    | [kW]                 | N.A. |
| Output torque $M_2$                  | [N m]                | N.A. |
| Service factor $f_s$                 |                      | N.A. |
| Efficiency                           |                      | 0,96 |
| Mass of gear reducer (without motor) | [kg]                 | 45   |
| Previsional lubricant quantity       | [ l ]                | 2,6  |
| ISO viscosity grade (T 10-40 °C)     | [cSt]                | 220  |

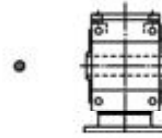
**Nominal Data**

|                                  |       |      |
|----------------------------------|-------|------|
| Nominal input power $P_{N1}$     | [kW]  | 15,9 |
| Nominal output power $P_{N2}$    | [kW]  | 15,3 |
| Nominal output torque $M_{N2}$   | [N m] | 672  |
| Maximum output torque $M_{2max}$ | [N m] | 1076 |

**Verifications**

|                              |  |      |
|------------------------------|--|------|
| Safety factor on $M_{2peak}$ |  | N.A. |
| Thermal power verification   |  | N.A. |
| External loads verificaton   |  | 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](mailto:info.germany@rossi-group.com)  
[www.rossi-group.com/germany](http://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](mailto:info@rossi-group.com) - [www.rossi-group.com](http://www.rossi-group.com)



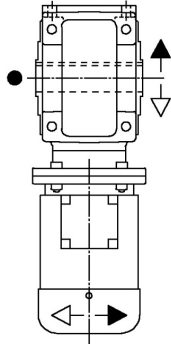
DE-16-001637/00 pos. 2

Bevel helical Gearmotor - catalogue G

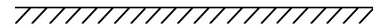
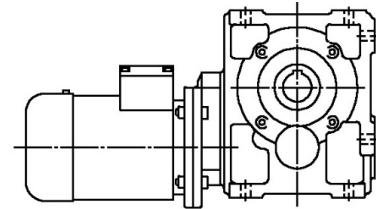
Motor catalogue TX11 (Frequency 50 Hz)

**Design: UO3A**

**Mounting position: B3**

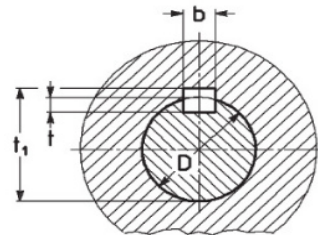
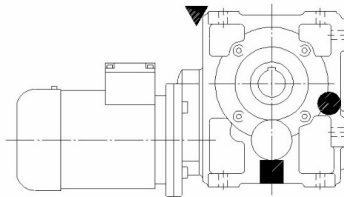


● Groove side



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

**Standard hollow low speed shaft**



| D      | b x h x l    | b  | t   | t <sub>1</sub> |
|--------|--------------|----|-----|----------------|
| ø48 H7 | 14 x 9 x 110 | 14 | 5,5 | 51,8           |

- ▽ = filler plug (in view/not in view)
- = level plug (in view/not in view)
- = drain plug (in view/not in view)