

DE-16-000542/00 pos.1

Bevel helical Gearmotor – G series

Motor catalogue TX11 (Frequency 50 Hz)

**Application given data**

N.A.

**Designation:** MR CI 200 UO2A - 55 x 400 - 30,8 V6 without motor  
Mounting position V6,  $n_1 = 1400$  [min<sup>-1</sup>]

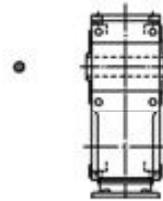
Standard product : Yes

**Accessories and special designs**

**Reducer/Gearmotor specifications**

Transmission ratio $i$		30,8
Output speed $n_2$	[min <sup>-1</sup> ]	45,5
Input speed $n_1$	[min <sup>-1</sup> ]	1400
Input power $P_1$	[kW]	30,0
Output torque $M_2$	[N m]	6045
Service factor $f_s$		1,32
Efficiency		0,96
Mass of gear reducer (without motor)	[kg]	282
Previsional lubricant quantity	[ l ]	34,0
ISO viscosity grade (T 10-40 °C)	[cSt]	220

Top view with M.P. B3



**Nominal Data**

Nominal input power $P_{N1}$	[kW]	39,8
Nominal output power $P_{N2}$	[kW]	38,2
Nominal output torque $M_{N2}$	[N m]	8018
Maximum output torque $M_{2max}$	[N m]	12829

**Verifications**

Safety factor on $M_{2peak}$	N.A.
Thermal power verification	N.A.
External loads verification	N.A.

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.



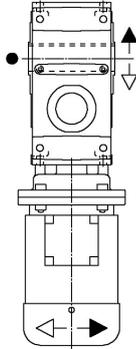
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Bevel helical Gearmotor - catalogue G

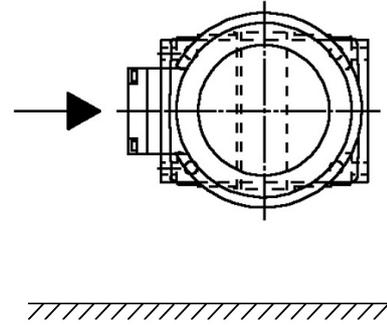
Motor catalogue TX11 (Frequency 50 Hz)

**Design: UO2A**

**Mounting position: V6**

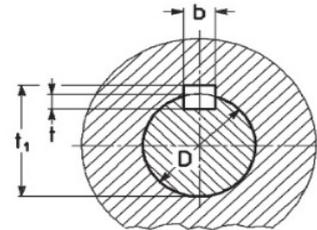
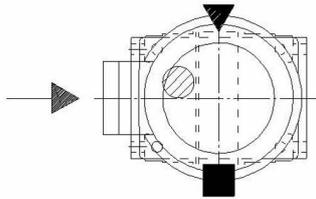


● Groove side



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

**Standard hollow low speed shaft**



D	b x h x l	b	t	t <sub>1</sub>
ø100 H7	28 x 16 x 250	28	10	106,4

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

The 3D drawing of following page, is in PDF format as it is meant only to show the overall design of the Gear reducer/Gearmotor. The 3D drawing consistent with the chosen configuration (position of plugs, type of low speed shaft, fixing holes, terminal box position, ...) can be downloaded from the "Selector", clicking the "Drawing CAD" button.

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