

DE-16-000619/00 pos.2

Helical Gearmotor – G series

Motor catalogue TX11 (Frequency 50 Hz)

Application given data

N.A.

Designation: MR 2I 100 UP2A - 28 x 250 - 10,2 B7 without motor
Mounting position B7, $n_1 = 1400$ [min⁻¹]

Standard product : Yes

Accessories and special designs

- Reaction bolt using disc springs (B1)
- Hollow low speed shaft with shrink disc (HB0)
- Metal plugs; filler plug with filter and breather (TM3)

Reducer/Gearmotor specifications

Transmission ratio i		10,2
Output speed n_2	[min ⁻¹]	137
Input speed n_1	[min ⁻¹]	1400
Input power P_1	[kW]	4,00
Output torque M_2	[N m]	268
Service factor f_s		5,00
Efficiency		0,96
Mass of gear reducer (without motor)	[kg]	47
Provisional lubricant quantity	[l]	5,0
ISO viscosity grade (T 10-40 °C)	[cSt]	220

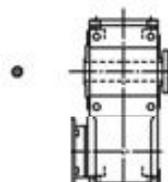
Nominal Data

Nominal input power P_{N1}	[kW]	19,9
Nominal output power P_{N2}	[kW]	19,1
Nominal output torque M_{N2}	[N m]	1334
Maximum output torque M_{2max}	[N m]	2134

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

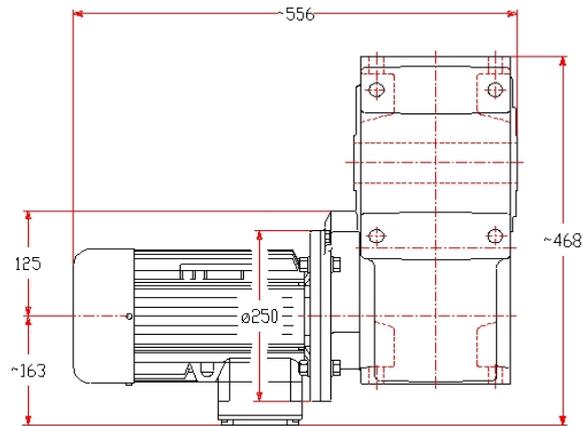
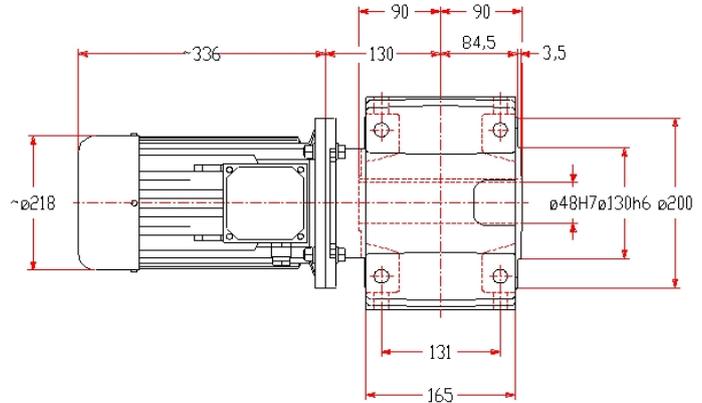
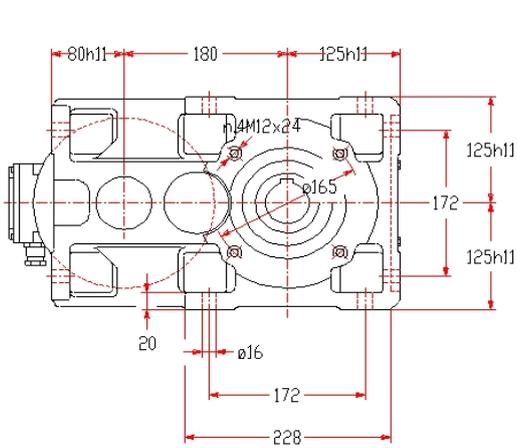
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Main Dimensions [mm] (only for standard gearbox, in case of non-standard design see the drawing on the next page)



- 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 require 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]

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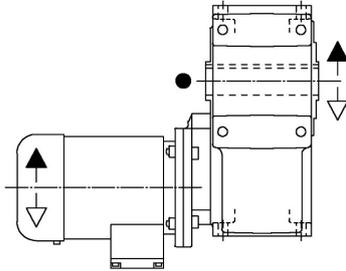
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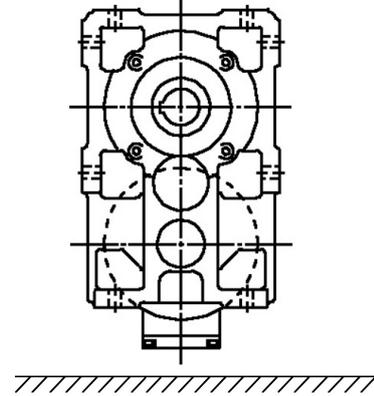
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Design: UP2A

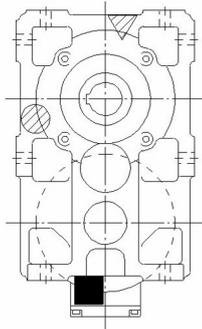
Mounting position: B7



● Groove side



Plugs position (supplied without oil as standard)



- ▽ = 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.