

DE-16-001488/00 pos. 1

Helical Gearmotor – G series

Motor catalogue TX11 (Frequency 50 Hz)

Application given data

N.A.

Designation: MR 2I 180 UP2A - 60 x 450 - 20,8 B3 without motor
Mounting position B3, $n_1 = 1400$ [min⁻¹]

Standard product : Yes

Accessories and special designs

Reducer/Gearmotor specifications

| | | |
|--------------------------------------|----------------------|------|
| Transmission ratio i | | 20,8 |
| Output speed n_2 | [min ⁻¹] | 67,4 |
| Input speed n_1 | [min ⁻¹] | 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] | 194 |
| Previsional lubricant quantity | [l] | 13,0 |
| ISO viscosity grade (T 10-40 °C) | [cSt] | 220 |

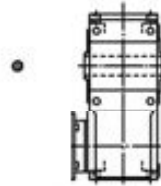
Nominal Data

| | | |
|----------------------------------|-------|-------|
| Nominal input power P_{N1} | [kW] | 66 |
| Nominal output power P_{N2} | [kW] | 63 |
| Nominal output torque M_{N2} | [N m] | 8981 |
| Maximum output torque M_{2max} | [N m] | 14370 |

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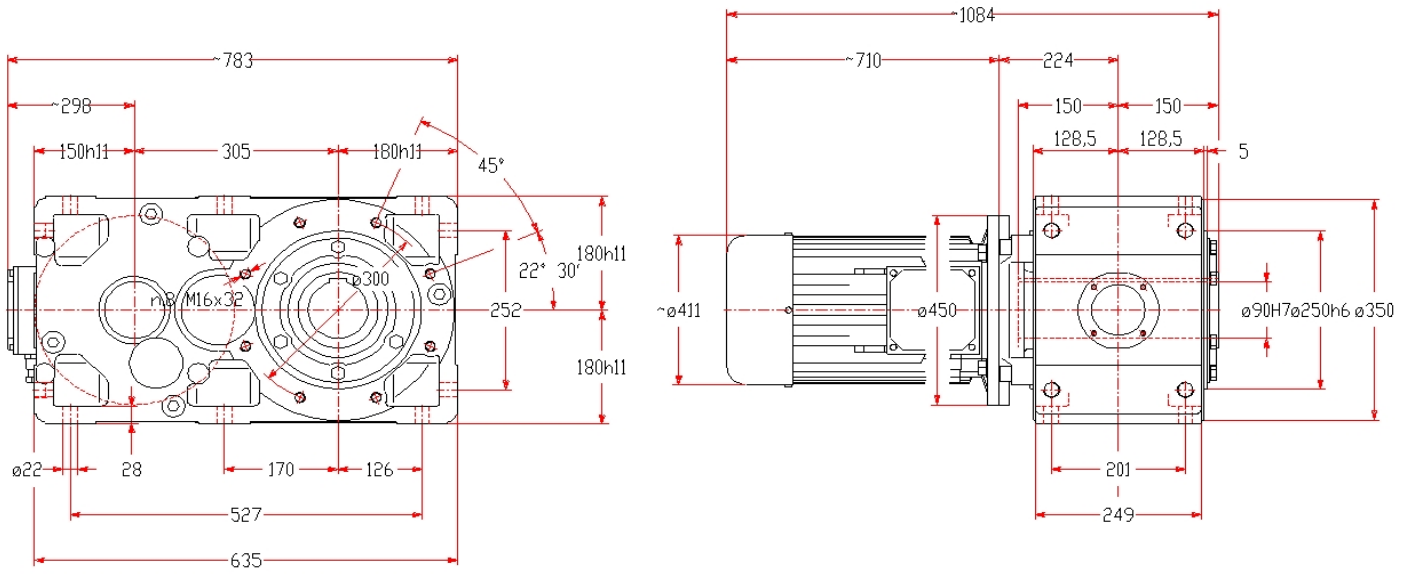
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Main Dimensions [mm] (only for standard gearbox, in case of non-standard design see the drawing on the next page)



- 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 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: M20 UNI 5588. With screw UNI 5737, see pag. 370 Cat. G series

Maximum bending moment on flange: 2000 [N m]

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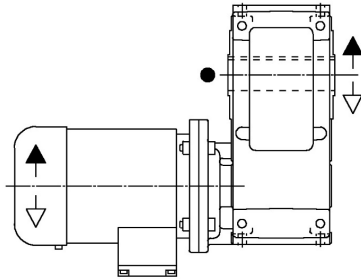
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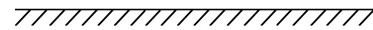
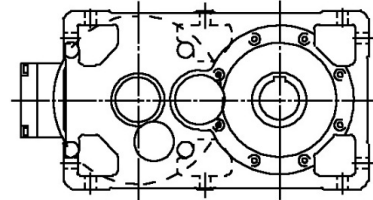
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Design: UP2A

Mounting position: B3

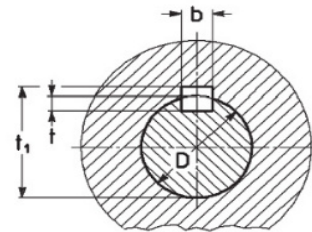
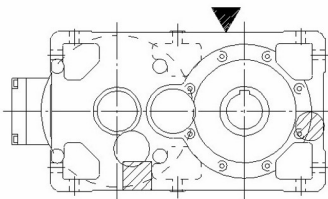


● Groove side



Plugs position (supplied without oil as standard)

Standard hollow low speed shaft



| D | b x h x l | b | t | t ₁ |
|--------|---------------|----|---|----------------|
| ø90 H7 | 25 x 14 x 200 | 25 | 9 | 95,4 |

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

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