

DE-21-000134/00 pos. 1

Worm Gearmotor - catalogue A

- Motor catalogue TX (Frequency 50 Hz)

**Application given data**

N.A.

**Designation:** MR V 32 UO3A - 11x140 - 32  
Mounting position B3,  $n_1 = 1400$  [min<sup>-1</sup>]

Standard product : Yes

**Accessories and special designs**

Fluorierte Dichtringe auf schnelllaufender Welle

Zusatztränkung der Wicklungen  
Fremdaxiallüfter VA

**Reducer/Gearmotor specifications**

Transmission ratio $i$		32
Output speed $n_2$	[min <sup>-1</sup> ]	43,8
Input speed $n_1$	[min <sup>-1</sup> ]	1400
Input power $P_1$	[kW]	0,250
Output torque $M_2$	[N m]	39
Service factor $f_s$		0,95
Efficiency		0,72
Mass of gear reducer (without motor)	[kg]	3
Previsonal lubricant quantity	[ l ]	0,2
ISO viscosity grade	[cSt]	320

**Nominal Data**

Nominal input power $P_{N1}$	[kW]	0,24
Nominal output power $P_{N2}$	[kW]	0,17
Nominal output torque $M_{N2}$	[N m]	38
Maximum output torque $M_{2max}$	[N m]	64

**Verifications**

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

**Motor specifications**

Type		HB 63C 4
Coupling dimensions Dx E-P		11 x 23 - 140
Supply	[V-Hz]	230.400 - 50
Nominal power $P_N$	[kW]	0,250
Nominal speed $n$	[min <sup>-1</sup> ]	1360
Mass of motor	[kg]	5
Efficiency		0,62
Cos (phi)		0,610
Moment of inertia $J_o$	[kgm <sup>2</sup> ]	0,0004

**Nominal Data**

Nominal output torque $M_N$	[N m]	1,76
Starting torque $M_S$	[N m]	4,40
Maximum torque $M_{max}$	[N m]	4,58

Top view with M.P. B3



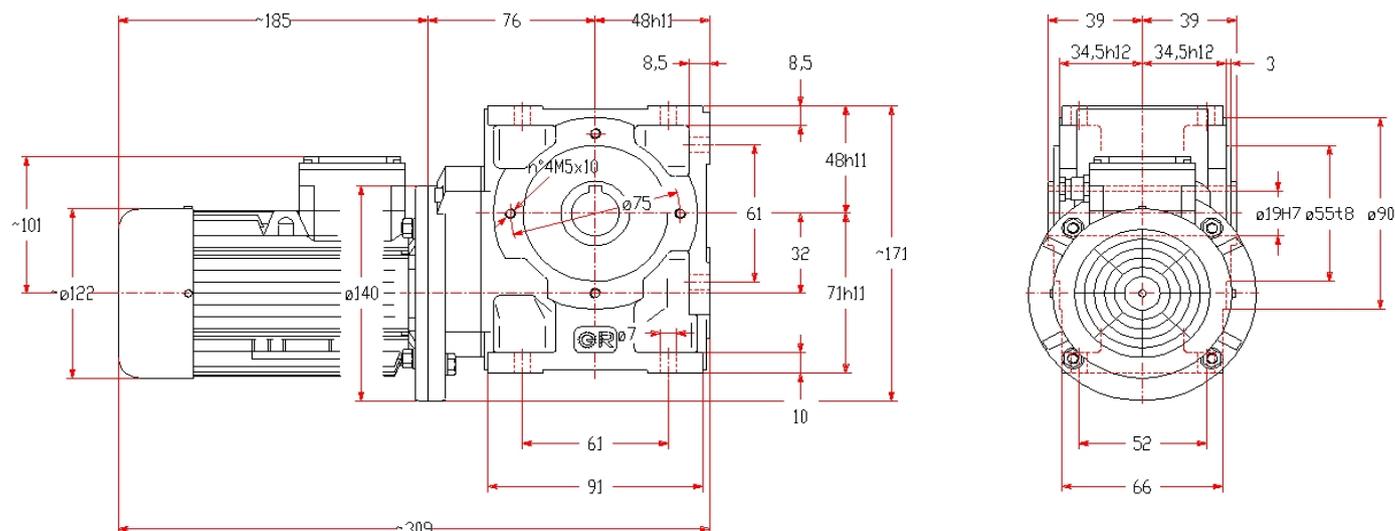
N.A: Not Applied

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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 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:

Worm gear pair Z2/Z1 = 32/1; Axial module = 1,5; Helix angle = 6°;

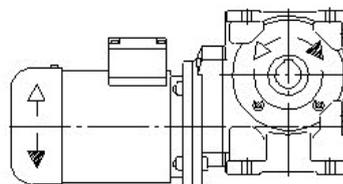
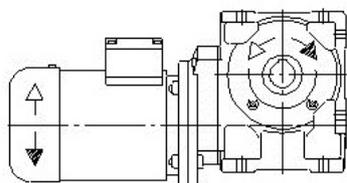
Static efficiency = 0,45; Uncertain static reversibility; Dynamic reversibility, after running-in, with efficiency > 0,6.

Fastening nuts: M6 UNI 5588. With screw UNI 5737, see pag. 81 Cat. A04 rev.11-06/2

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Design: UO3A

Mounting position: B3

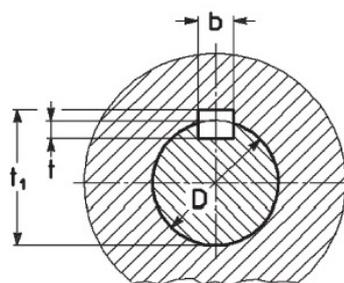


Plugs position

Standard hollow low speed shaft

Senza tappo di livello  
Fornito completo di olio

Without oil level plug  
Supplied filled with oil



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

D	b x h x l	b	t	t <sub>1</sub>
ø19 H7	6 x 6 x 50	6	3,5	21,7

Terminal box position according to M.P.: Cat.

