

Ref. A04 MR V 32 UO3A - 63B 4 ... B5 / 87,5 B3 i=16 Technical Report 1.0

2013.02 n. 634691

27/09/2016

DE-16-001680/00 pos. 1

Worm Gearmotor - catalogue A04

- Motor catalogue TX11 (Frequency 50 Hz)

Application given data N.A.

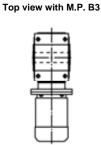
Designation: MR V 32 UO3A - 63B 4 ... B5 / 87,5 B3 i=16

Mounting position B3, $n_1 = 1400 \text{ [min}^{-1]}$, without motor (11 x 23 - 140)

Standard product : Yes

Accessories and special designs

Reducer/Gearmotor specifications		
Transmission ratio i		16
Output speed n ₂	[min ⁻¹]	87,5
Input speed n_1	[min ⁻¹]	1400
Input power P_1	[kW]	N.A.
Output torque M_2	[N m]	N.A.
Service factor fs		N.A.
Efficiency		0,82
Mass of gear reducer (without motor)	[kg]	3
Previsional lubricant quantity	[1]	0,2
ISO viscosity grade	[cSt]	320
Nominal Data Nominal input power $P_{\rm N1}$ Nominal output power $P_{\rm N2}$ Nominal output torque $M_{\rm N2}$ Maximum output torque $M_{\rm 2max}$	[kW] [kW] [N m] [N m]	0,41 0,34 37 61
Verifications Safety factor on M _{2peak} Thermal power verfication External loads verificaton		N.A. N.A. N.A.



N.A: Not Applied



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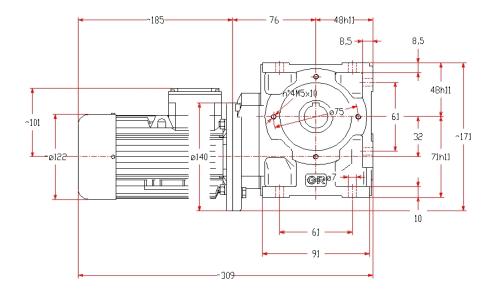
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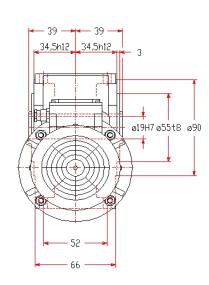
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Main Dimensions [mm] (only for standard gearbox, in case of non-standard design see the drawing on the next page)





Informations and warnings:

Worm gear pair Z2/Z1 = 32/2; Axial module = 1,5; Helix angle = 11°52';

Static efficiency = 0,6; Statically reversible gear pair; 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

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;

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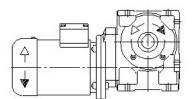
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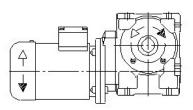
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Design: UO3A Mounting position: B3





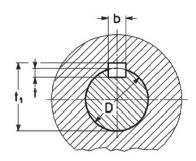
Plugs position

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)

Standard hollow low speed shaft



D	bxhxl	b	t	t ₁
ø 19 H7	6 x 6 x 50	6	3,5	21,7

Rossi S.p.A.