

Application given data

N.A.

Designation: MR V 63 UO3A - HBV 90L 4 230.400-50 B5 / 43,8 B3 i=32
Mounting position B3, $n_1 = 1400$ [min⁻¹]

Standard product : Yes

Accessories and special designs

Reducer/Gearmotor specifications

Transmission ratio i		32
Output speed n_2	[min ⁻¹]	43,8
Input speed n_1	[min ⁻¹]	1400
Input power P_1	[kW]	1,50
Output torque M_2	[N m]	254
Service factor f_s		0,85
Efficiency		0,78
Mass of gear reducer (without motor)	[kg]	14
Previsional lubricant quantity	[l]	0,8
ISO viscosity grade	[cSt]	320

Nominal Data

Nominal input power P_{N1}	[kW]	1,26
Nominal output power P_{N2}	[kW]	0,98
Nominal output torque M_{N2}	[N m]	213
Maximum output torque M_{2max}	[N m]	372

Verifications

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

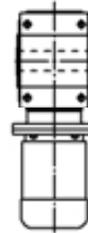
Motor specifications

Type		HBV 90L 4
Coupling dimensions Dx E-P		24 x 50 - 200
Supply	[V-Hz]	230.400 - 50
Nominal power P_N	[kW]	1,50
Nominal speed n	[min ⁻¹]	1390
Mass of motor	[kg]	18
Efficiency		0,78
Cos (phi)		0,790
Moment of inertia J_o	[kgm ²]	0,0044
Brake size		V 05
Braking torque M_f	[N m]	7

Nominal Data

Nominal output torque M_N	[N m]	10,30
Starting torque M_S	[N m]	30,90
Maximum torque M_{max}	[N m]	32,96

Top view with M.P. B3

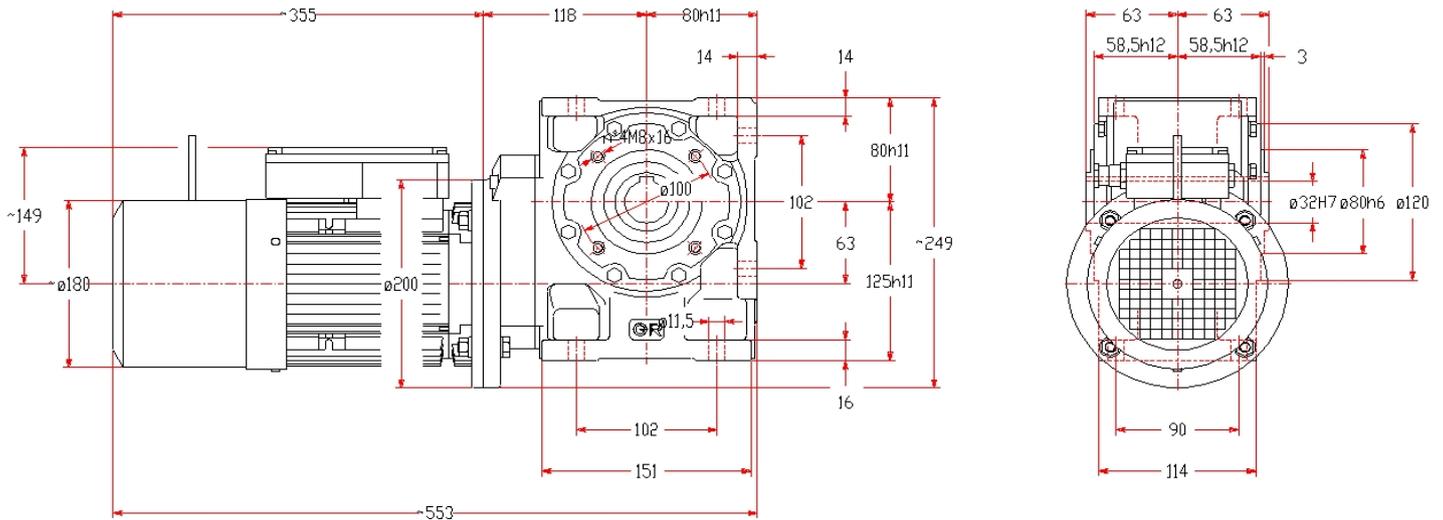


N.A.: Not Applied

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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 = 3,1; Helix angle = 6°25';

Static efficiency = 0,46; Uncertain static reversibility; Dynamic reversibility, after running-in, with efficiency > 0,6.

Fastening nuts: M10 UNI 5588. With screw UNI 5737, see pag. 81 Cat. A04 rev.11-06/2

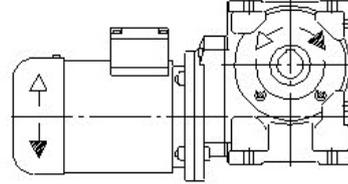
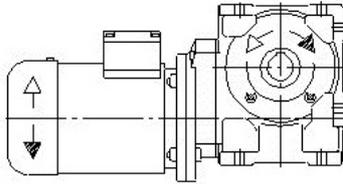
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Design: UO3A

Mounting position: B3

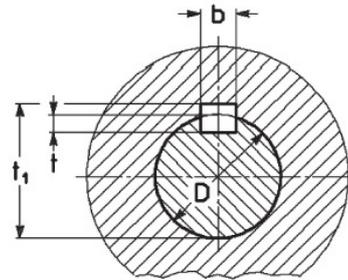


Plugs position

Standard hollow low speed shaft

Senza tappo di livello
Fornito completo di olio

Without oil level plug
Supplied filled with oil



D	b x h x l	b	t	t ₁
ø32 H7	10 x 8 x 70	10	5	35,3

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

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

