

Ficha Técnica  
Reductor de velocidad  
EJES PARALELOS



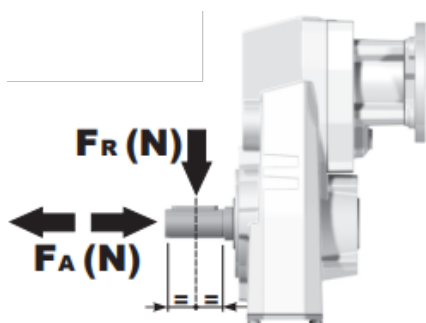
|                            |        |     |
|----------------------------|--------|-----|
| MODELO                     | FA42   |     |
| Ø EJE DE SALIDA            | 30     | mm  |
| RELACIÓN APROXIMADA        | 15     |     |
| RELACIÓN EXACTA            | 15.16  |     |
| VELOCIDAD DE SALIDA        | 97     | RPM |
| VELOCIDAD DE SALIDA EXACTA | 96     | RPM |
| POTENCIA DE ENTRADA        | 3.00   | KW  |
| ROTACIÓN DE ENTRADA        | 1400   | RPM |
| PAM DE ENTRADA             | 100B5  |     |
| PAR DE SALIDA              | 297.81 | N.m |
| PAR NOMINAL                | 260.00 | N.m |
| POTENCIA NOMINAL           | 2.6    | KW  |
| FACTOR DE SERVICIO         | 0.87   |     |
| EFICIENCIA DINÁMICA        | 0.96   |     |



Cantidad de Aceite (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 1.15  | 0.7   | 0.7   | 0.7   | 1.2   | 0.8   |

Cargas Radiales y Axiales



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 300           | 300    | 1500   |
| 200           | 350    | 1750   |
| 120           | 410    | 2050   |
| 15            | 800    | 4000   |

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|                                         |               |
|-----------------------------------------|---------------|
| <b>Gearbox weight</b><br>peso riduttore | <b>9.0 kg</b> |
|-----------------------------------------|---------------|

**On request**  
A richiesta

Technical drawing of the 1000 Series Motor Mounting Bracket. The drawing includes three views: a side view, a front view, and a detail view of the mounting hole.

**Side View Dimensions:**

- Overall width:  $A$
- Top flange width: 40
- Top flange hole diameter:  $\phi 11$
- Motor mounting hole diameter:  $\phi 95 \text{ f7}$
- Motor mounting hole offset from left face: 3.5
- Motor mounting hole offset from bottom face: 5
- Motor mounting hole offset from right face: 110
- Motor mounting hole offset from top face: 160
- Motor mounting hole offset from bottom face: 269
- Motor mounting hole offset from right face: 123
- Motor mounting hole offset from top face:  $\phi F$

**Front View Dimensions:**

- Top flange width: 18
- Motor mounting hole diameter:  $\phi 95$
- Motor mounting hole offset from left face: 115
- Motor mounting hole offset from right face: 178
- Motor mounting hole offset from bottom face: 88
- Motor mounting hole offset from top face: 123
- Motor mounting hole offset from right face: 110
- Motor mounting hole offset from bottom face: 269
- Motor mounting hole offset from top face:  $\phi F$

**Detail View Dimensions:**

- Motor mounting hole diameter:  $\phi 45$
- Motor mounting hole offset from left face: 110
- Motor mounting hole offset from right face: 110
- Motor mounting hole offset from bottom face: 88
- Motor mounting hole offset from top face: 123
- Motor mounting hole offset from right face: 110
- Motor mounting hole offset from bottom face: 269
- Motor mounting hole offset from top face:  $\phi F$

**Notes:**

- 4 holes M8x15
- 25H7
- 1000 Series Motor Mounting Bracket

The technical drawing shows two views of the B7000-10000 series ball bearing unit:

- Side View (Top):** Shows the overall profile of the unit. Key dimensions include a total width of 149 mm, a mounting flange thickness of 5 mm, a shaft diameter of  $\varnothing 86$  mm, and a distance of 86 mm from the shaft centerline to the outer edge of the housing.
- Front View (Bottom):** Shows the cross-section of the unit. It features a central bore with a diameter of  $\varnothing 30$  H7. The internal components are dimensioned with a length of 35 mm each, resulting in a total internal length of 134.5 mm. The outer housing has a thickness of 12 mm.