

Technical Data Sheet
Gearbox
SHAFT MOUNTED



MODEL	FA42
Ø OUTPUT SHAFT	30 mm
APPROXIMATE RATIO	10
EXACT RATIO	10.04
OUTPUT SPEED	146 RPM
EXACT OUTPUT SPEED	145 RPM
INPUT POWER	3.00 KW
INPUT ROTATION	1400 RPM
INPUT PAM	100B14
OUTPUT TORQUE	197.23 N.m
NOMINAL TORQUE	240.00 N.m
NOMINAL POWER	3.7 KW
SERVICE FACTOR	1.23
DYNAMIC EFFICIENCY	0.96



Oil Quantity (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

Radial and Axial Loads



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

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9.0 kg

On request
A richiesta

Technical drawing of the 1000W motor unit, showing side, front, and detail views with dimensions.

Side View Dimensions:

- Overall width: A
- Top flange diameter: $\varnothing 11$
- Top flange thickness: 40
- Motor body height: 160
- Base height: 123
- Base diameter: $\varnothing F$
- Base mounting hole diameter: $\varnothing 95 f7$
- Base mounting hole offset: 3.5
- Base mounting hole offset: 5
- Base mounting hole offset: 110

Front View Dimensions:

- Top flange width: 18
- Motor body height: 88
- Base mounting hole diameter: 4 holes M8x15
- Base mounting hole offset: 115
- Base mounting hole offset: 178

Detail Views:

- Top flange detail: 8, 25H7
- Base mounting hole detail: $\varnothing 45$, 110

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

- Front View (Top):** Shows the main body with a total width of 149 mm. A small dimension of 5 mm is indicated at the bottom left.
- Side View (Bottom):** Shows the profile of the unit with a total length of 134.5 mm. The inner diameter is specified as $\varnothing 30\text{ H7}$. Two segments of 35 mm each are shown, separated by a central section. A mounting bracket is visible on the right end.