

Technical Data Sheet
Gearbox
SHAFT MOUNTED



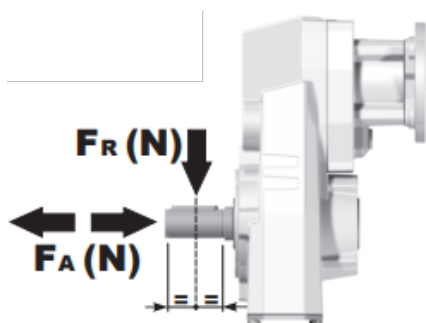
MODEL	FA42	
Ø OUTPUT SHAFT	30	mm
APPROXIMATE RATIO	50	
EXACT RATIO	49.43	
OUTPUT SPEED	29	RPM
EXACT OUTPUT SPEED	30	RPM
INPUT POWER	1.10	KW
INPUT ROTATION	1400	RPM
INPUT PAM	90B5	
OUTPUT TORQUE	356.04	N.m
NOMINAL TORQUE	320.00	N.m
NOMINAL POWER	0.99	KW
SERVICE FACTOR	0.90	
DYNAMIC EFFICIENCY	0.96	



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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Gearbox weight peso riduttore	9.0 kg
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On request
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The technical drawing illustrates the B7000-10000 series ball bearing unit from two perspectives:

- Front 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, and a central shaft diameter of $\varnothing 86$. The flange features a circular hole for identification.
- Side View (Bottom):** Provides a cross-sectional view of the assembly. It shows an outer housing with a bore diameter of $\varnothing 30\ H7$ and an inner shaft with a diameter of $\varnothing 30\ h7$. The distance between the centerlines of the bearings is 134.5 mm, with each bearing having a width of 35 mm.