

Technical Data Sheet
Gearbox
SHAFT MOUNTED



MODEL	FA42	
Ø OUTPUT SHAFT	30	mm
APPROXIMATE RATIO	29	
EXACT RATIO	29.49	
OUTPUT SPEED	50	RPM
EXACT OUTPUT SPEED	50	RPM
INPUT POWER	1.10	KW
INPUT ROTATION	1400	RPM
INPUT PAM	90B14	
OUTPUT TORQUE	212.41	N.m
NOMINAL TORQUE	320.00	N.m
NOMINAL POWER	1.7	KW
SERVICE FACTOR	1.55	
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 shows two views of the motor mounting bracket:

- Front View (Top):** Shows the overall profile of the bracket. Key dimensions include a total width of 149 mm, a mounting hole offset of 5 mm from the left edge, and a vertical distance of 86 mm between the centerline and the top of the mounting flange.
- Side View (Bottom):** Shows the cross-section of the bracket. It features a central shaft with a diameter of $\varnothing 30\text{ H7}$. The total length of the bracket body is 134.5 mm, composed of two 35 mm segments. The mounting flange at the right end has a thickness of 12 mm and also features a $\varnothing 30\text{ H7}$ hole.