

Technical Data Sheet
Gearbox
SHAFT MOUNTED



UNIVERSAL
MOTORS

MODEL	FA42	
Ø OUTPUT SHAFT	30	mm
APPROXIMATE RATIO	18	
EXACT RATIO	18.16	
OUTPUT SPEED	81	RPM
EXACT OUTPUT SPEED	80	RPM
INPUT POWER	0.75	KW
INPUT ROTATION	1400	RPM
INPUT PAM	80B14	
OUTPUT TORQUE	89.18	N.m
NOMINAL TORQUE	290.00	N.m
NOMINAL POWER	2.4	KW
SERVICE FACTOR	3.20	
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
A richiesta

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 top and bottom mounting surfaces.
- Side View (Bottom):** Shows the cross-section of the bracket. It features a central shaft with a diameter of $\varnothing 30\text{ H7}$. The bracket has a total length of 134.5 mm, with two 35 mm segments flanking the central shaft. The mounting holes are also specified as $\varnothing 30\text{ H7}$.