

Technical Data Sheet
Gearbox
SHAFT MOUNTED



UNIVERSAL
MOTORS

MODEL	FA42	
Ø OUTPUT SHAFT	30	mm
APPROXIMATE RATIO	53	
EXACT RATIO	52.53	
OUTPUT SPEED	28	RPM
EXACT OUTPUT SPEED	28	RPM
INPUT POWER	0.75	KW
INPUT ROTATION	1400	RPM
INPUT PAM	80B5	
OUTPUT TORQUE	257.98	N.m
NOMINAL TORQUE	260.00	N.m
NOMINAL POWER	0.76	KW
SERVICE FACTOR	1.01	
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
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Technical drawing of a motor assembly 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 diameter: $\varnothing 95 \text{ f7}$
- Motor body length: 160
- Motor body mounting flange diameter: $\varnothing F$
- Motor body mounting flange thickness: 123
- Motor body mounting flange width: 110
- Motor body mounting flange hole diameter: 3.5
- Motor body mounting flange hole spacing: 5
- Motor body mounting flange hole diameter: 8
- Motor body mounting flange hole spacing: 25H7
- Motor body mounting flange hole diameter: $\varnothing 45$
- Motor body mounting flange hole spacing: 110

Front View Dimensions:

- Top flange diameter: 18
- Motor body diameter: 88
- Motor body mounting flange diameter: 115
- Motor body mounting flange hole diameter: 178
- Motor body mounting flange hole spacing: 4 holes M8x15

Detail View Dimensions:

- Motor body mounting flange hole diameter: 8
- Motor body mounting flange hole spacing: 25H7
- Motor body mounting flange hole diameter: $\varnothing 45$
- Motor body mounting flange hole spacing: 110

[illegible]