

Technical Data Sheet
Gearbox
SHAFT MOUNTED



MODEL	FA42	
Ø OUTPUT SHAFT	30	mm
APPROXIMATE RATIO	70	
EXACT RATIO	69.37	
OUTPUT SPEED	21	RPM
EXACT OUTPUT SPEED	21	RPM
INPUT POWER	0.55	KW
INPUT ROTATION	1400	RPM
INPUT PAM	80B14	
OUTPUT TORQUE	249.83	N.m
NOMINAL TORQUE	190.00	N.m
NOMINAL POWER	0.42	KW
SERVICE FACTOR	0.76	
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

Universal Motors S.A.
Rua Comendador Brandão, 484
4495-375 Póvoa de Varzim
geral@universalmotors.pt
TEL.: 252 299 080

Universal Motors UK, Ltd
Unit E2, Meltham Mills Road
West Yorkshire HD9 4AR
enquiries@universalmotors-group.co.uk
TEL.: +44(0) 1484660222

Universal Motors SL
C/La Habana n.6 nave 4 PI Camporroso
28806 Alcalá de Henares
info@universalmotors-group.es
TEL.: 918 864 213

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 (detail): $\varnothing 45$
- Motor body mounting flange hole spacing (detail): 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: 25H7
- Motor body mounting flange hole spacing: 8