

Technical Data Sheet
Gearbox
SHAFT MOUNTED



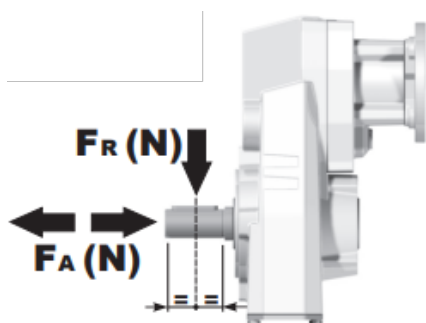
MODEL	FA42
Ø OUTPUT SHAFT	30 mm
APPROXIMATE RATIO	10
EXACT RATIO	10.04
OUTPUT SPEED	146 RPM
EXACT OUTPUT SPEED	145 RPM
INPUT POWER	1.50 KW
INPUT ROTATION	1400 RPM
INPUT PAM	90B14
OUTPUT TORQUE	98.61 N.m
NOMINAL TORQUE	240.00 N.m
NOMINAL POWER	3.7 KW
SERVICE FACTOR	2.47
DYNAMIC EFFICIENCY	0.96



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
A richiesta

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 diameter: $\varnothing 95 \text{ f7}$
- Motor body mounting flange thickness: 123
- Motor body mounting flange diameter: $\varnothing 95 \text{ f7}$
- Motor body mounting flange thickness: 123

Front View Dimensions:

- Top flange diameter: 18
- Motor body diameter: 88
- Motor body mounting flange diameter: 115
- Motor body mounting flange thickness: 178
- Motor body mounting flange diameter: 115
- Motor body mounting flange thickness: 178
- Motor body mounting flange diameter: 115
- Motor body mounting flange thickness: 178

Detail View Dimensions:

- Motor body mounting flange diameter: 25H7
- Motor body mounting flange thickness: 8
- Motor body mounting flange diameter: 25H7
- Motor body mounting flange thickness: 8
- Motor body mounting flange diameter: 25H7
- Motor body mounting flange thickness: 8

Other Dimensions:

- Motor body mounting flange diameter: 110
- Motor body mounting flange thickness: 110
- Motor body mounting flange diameter: 110
- Motor body mounting flange thickness: 110

[illegible]