

Technical Data Sheet  
Gearbox  
SHAFT MOUNTED



|                    |        |     |
|--------------------|--------|-----|
| MODEL              | FA52   |     |
| Ø OUTPUT SHAFT     | 35     | mm  |
| APPROXIMATE RATIO  | 39     |     |
| EXACT RATIO        | 38.55  |     |
| OUTPUT SPEED       | 37     | RPM |
| EXACT OUTPUT SPEED | 38     | RPM |
| INPUT POWER        | 0.75   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 80B5   |     |
| OUTPUT TORQUE      | 189.32 | N.m |
| NOMINAL TORQUE     | 490.00 | N.m |
| NOMINAL POWER      | 1.9    | KW  |
| SERVICE FACTOR     | 2.53   |     |
| DYNAMIC EFFICIENCY | 0.96   |     |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 1.85  | 1.15  | 1.15  | 1.3   | 2.1   | 1.3   |

#### Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 300           | 400    | 2000   |
| 200           | 440    | 2200   |
| 120           | 500    | 2500   |
| 15            | 1140   | 5700   |

Universal Motors S.A.  
Rua Comendador Brandão, 484  
4495-375 Póvoa de Varzim  
[geral@universalmotors.pt](mailto: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](mailto:enquiries@universalmotors-group.co.uk)  
TEL.: +44(0) 1484660222

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

## PFA52C...

Basic gearbox  
Riduttore baseGearbox  
weight  
peso riduttore **15.5 kg**

| M. flanges | Kit code   | øF  | A   |
|------------|------------|-----|-----|
| 71B5       | K023.4.041 | 160 | 227 |
| 80/90B5    | K023.4.042 | 200 | 229 |
| 100/112B5  | K023.4.043 | 250 | 238 |
| 132B5      | KC50.4.043 | 300 | 256 |
| 80B14      | K085.4.046 | 120 | 229 |
| 90B14      | K085.4.045 | 140 | 229 |
| 100/112B14 | K085.4.047 | 160 | 238 |
| 132B14     | KC50.4.041 | 200 | 256 |

- Available torque arms,  
see our web site

Bracci di reazione disponibili,  
consulta il nostro sito web



**Standard**  
Hollow shaft



**On request**  
A richiesta



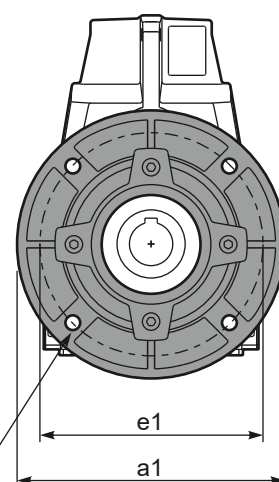
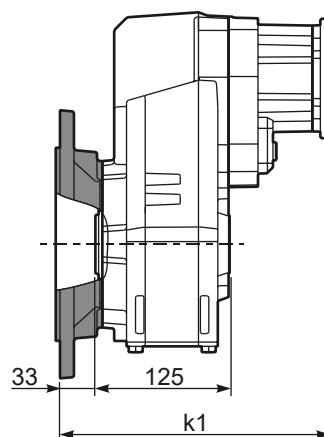
4 holes  
M10x20

4 holes  
M8x14

## PFA52...-F...

Output flange  
Flangia uscita

| M. flanges | k1  |
|------------|-----|
| 71B5       | 260 |
| 80/90B5    | 262 |
| 100/112B5  | 271 |
| 132B5      | 289 |
| 80B14      | 262 |
| 90B14      | 262 |
| 100/112B14 | 271 |
| 132B14     | 289 |



## Available output flanges

Flange di uscita

| a1 ø | b1  | c1 | e1  | s1 | Kit code   |
|------|-----|----|-----|----|------------|
| 250  | 180 | 13 | 215 | 14 | KF60.9.011 |
| -    | -   | -  | -   | -  | -          |

## RFA52C...

Input Shaft  
Albero in entrata

## PFA52 A...

Single output shaft  
Albero uscita semplice

## PFA52D...

Shrink disk  
Calettatore

Kit. Cod KF60.0.210LM

