

Technical Data Sheet  
Gearbox  
SHAFT MOUNTED



|                    |            |
|--------------------|------------|
| MODEL              | FA53       |
| Ø OUTPUT SHAFT     | 35 mm      |
| APPROXIMATE RATIO  | 96         |
| EXACT RATIO        | 96.29      |
| OUTPUT SPEED       | 15 RPM     |
| EXACT OUTPUT SPEED | 15 RPM     |
| INPUT POWER        | 0.55 KW    |
| INPUT ROTATION     | 1400 RPM   |
| INPUT PAM          | 80B14      |
| OUTPUT TORQUE      | 339.56 N.m |
| NOMINAL TORQUE     | 510.00 N.m |
| NOMINAL POWER      | 0.83 KW    |
| SERVICE FACTOR     | 1.51       |
| DYNAMIC EFFICIENCY | 0.94       |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 2.15  | 1.25  | 1.25  | 1.45  | 2.35  | 1.45  |

#### 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

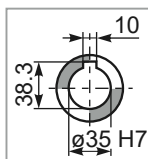
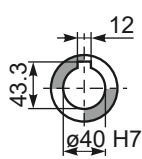
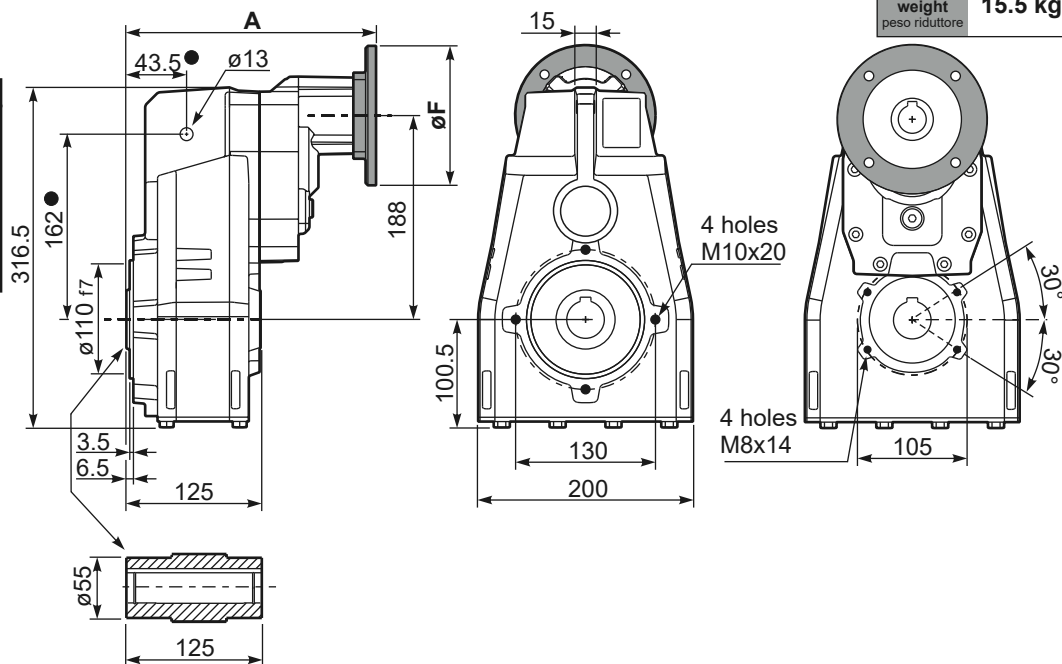
Universal Motors SL  
C/La Habana n.6 nave 4 PI Camporroso  
28806 Alcala de Henares  
[info@universalmotors-group.es](mailto:info@universalmotors-group.es)  
TEL.: 918 864 213

## PFA53C...

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

| M. flanges | Kit code   | øF  | A   |
|------------|------------|-----|-----|
| 63B5       | K063.4.041 | 140 | 239 |
| 71B5       | K063.4.042 | 160 | 237 |
| 80/90B5    | K063.4.043 | 200 | 239 |
| 71B14      | K063.4.047 | 105 | 237 |
| 80B14      | K063.4.046 | 120 | 239 |
| 90B14      | K063.4.041 | 140 | 239 |

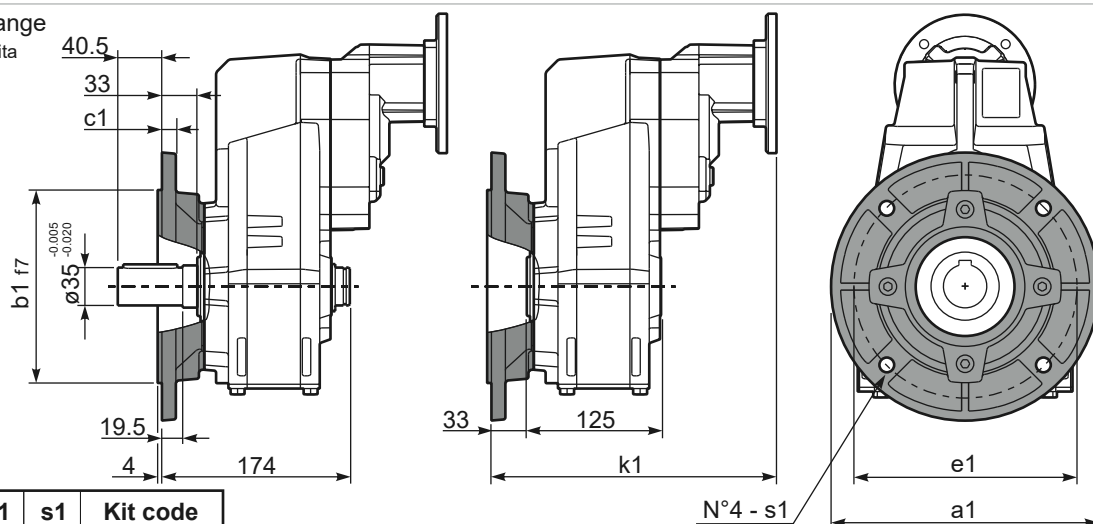
- Available torque arms,  
see our web site  
Bracci di reazione disponibili,  
consulta il nostro sito web

Standard  
Hollow shaftOn request  
A richiesta

## PFA53...-F...

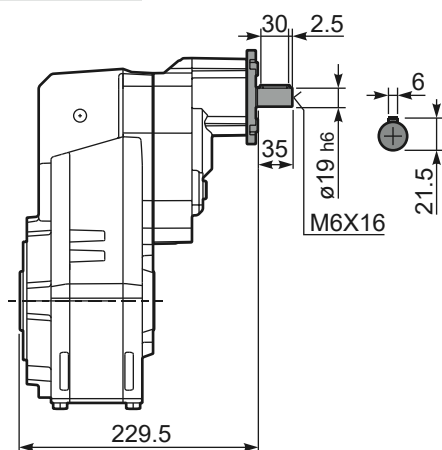
Output flange  
Flangia uscita

| Motor Flange | k1  |
|--------------|-----|
| 63B5         | 272 |
| 71B5         | 270 |
| 80/90B5      | 272 |
| 71B14        | 270 |
| 80B14        | 272 |
| 90B14        | 272 |

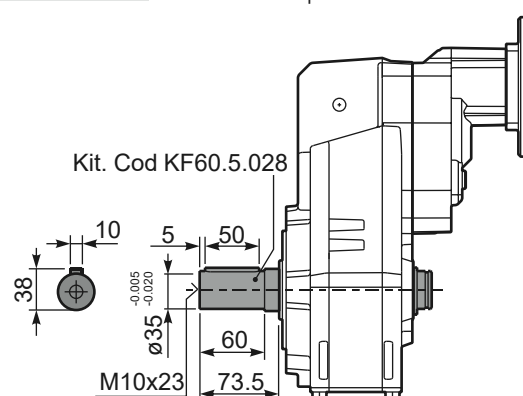
Available output flanges  
Flange di uscita

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

## RFA53C...

Input Shaft  
Albero in entrata

## PFA53 A...

Single output shaft  
Albero uscita semplice

## PFA53D...

Shrink disk  
Calettatore