

Technical Data Sheet  
Gearbox  
SHAFT MOUNTED



|                    |        |     |
|--------------------|--------|-----|
| MODEL              | FA53   |     |
| Ø OUTPUT SHAFT     | 35     | mm  |
| APPROXIMATE RATIO  | 82     |     |
| EXACT RATIO        | 82.48  |     |
| OUTPUT SPEED       | 18     | RPM |
| EXACT OUTPUT SPEED | 18     | RPM |
| INPUT POWER        | 0.75   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 80B5   |     |
| OUTPUT TORQUE      | 396.63 | N.m |
| NOMINAL TORQUE     | 510.00 | N.m |
| NOMINAL POWER      | 0.96   | KW  |
| SERVICE FACTOR     | 1.28   |     |
| 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

|                                         |                |
|-----------------------------------------|----------------|
| <b>Gearbox weight</b><br>peso riduttore | <b>15.5 kg</b> |
|-----------------------------------------|----------------|