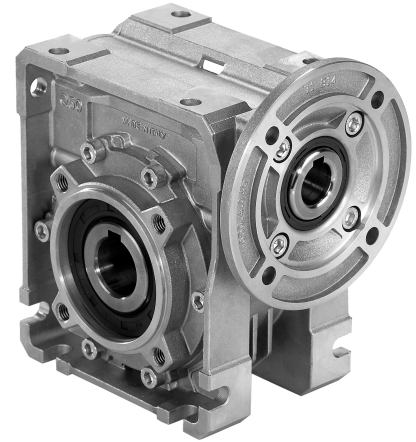


Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



|                    |       |     |
|--------------------|-------|-----|
| MODEL              | M50   |     |
| Ø OUTPUT SHAFT     | 25    | mm  |
| APPROXIMATE RATIO  | 10    |     |
| EXACT RATIO        | 10.00 |     |
| OUTPUT SPEED       | 146   | RPM |
| EXACT OUTPUT SPEED | 146   | RPM |
| INPUT POWER        | 0.37  | KW  |
| INPUT ROTATION     | 1400  | RPM |
| INPUT PAM          | 71B14 |     |
| OUTPUT TORQUE      | 20.19 | N.m |
| NOMINAL TORQUE     | 62.00 | N.m |
| NOMINAL POWER      | 1.1   | KW  |
| SERVICE FACTOR     | 2.97  |     |
| DYNAMIC EFFICIENCY | 0.80  |     |



Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.14  | 0.14  | 0.14  | 0.14  | 0.14  | 0.14  |

Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200           | 240    | 1200   |
| 100           | 300    | 1500   |
| 50            | 380    | 1900   |
| 15            | 560    | 2800   |

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 Camporoso  
28806 Alcala de Henares  
[info@universalmotors-group.es](mailto:info@universalmotors-group.es)  
TEL.: 918 864 213

