

Technical Data Sheet  
Gearbox  
WORM GEARBOX ROUND DESIGN



|                    |            |
|--------------------|------------|
| MODEL              | 063A       |
| Ø OUTPUT SHAFT     | 28 mm      |
| APPROXIMATE RATIO  | 70         |
| EXACT RATIO        | 67.00      |
| OUTPUT SPEED       | 21 RPM     |
| EXACT OUTPUT SPEED | 22 RPM     |
| INPUT POWER        | 0.55 KW    |
| INPUT ROTATION     | 1400 RPM   |
| INPUT PAM          | 80B14      |
| OUTPUT TORQUE      | 150.81 N.m |
| NOMINAL TORQUE     | 159.00 N.m |
| NOMINAL POWER      | 0.58 KW    |
| SERVICE FACTOR     | 1.05       |
| DYNAMIC EFFICIENCY | 0.60       |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |

#### Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200           | 360    | 1800   |
| 100           | 460    | 2300   |
| 50            | 600    | 3000   |
| 15            | 800    | 4000   |

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