

Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



|                    |        |     |
|--------------------|--------|-----|
| MODEL              | Q85    |     |
| Ø OUTPUT SHAFT     | 35     | mm  |
| APPROXIMATE RATIO  | 75     |     |
| EXACT RATIO        | 74.00  |     |
| OUTPUT SPEED       | 19     | RPM |
| EXACT OUTPUT SPEED | 20     | RPM |
| INPUT POWER        | 0.55   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 80B5   |     |
| OUTPUT TORQUE      | 161.01 | N.m |
| NOMINAL TORQUE     | 268.00 | N.m |
| NOMINAL POWER      | 0.91   | KW  |
| SERVICE FACTOR     | 1.65   |     |
| DYNAMIC EFFICIENCY | 0.58   |     |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |

#### Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200           | 500    | 2500   |
| 100           | 600    | 3000   |
| 50            | 800    | 4000   |
| 15            | 1160   | 5800   |

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

**12.1 kg**

**weight**  
**peso riduttore**

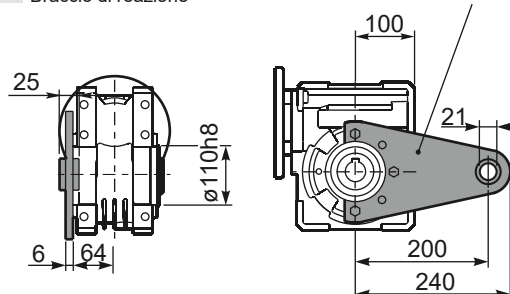
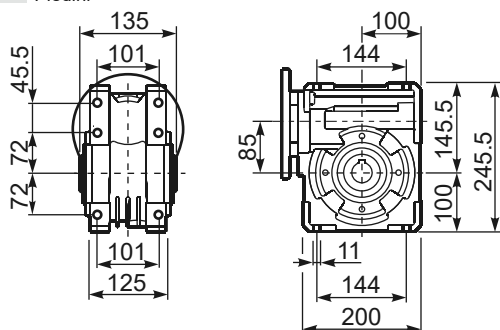
**A**

**Standard**  
Hollow shaft

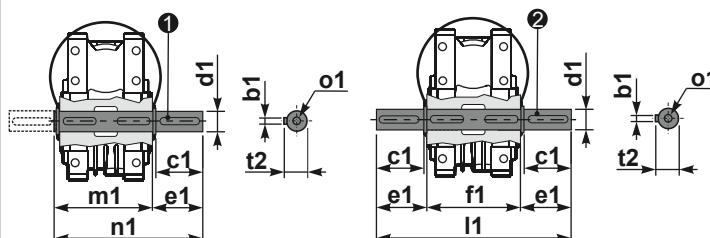
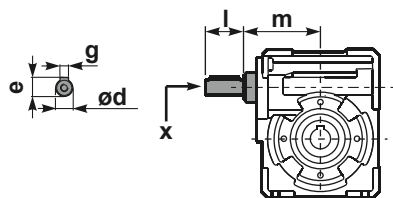
**On request**  
A richiesta

135  
øF  
8 holes M10x17  
Mounting holes position  
Posizione fori di montaggio  
3.5 64  
ø110h8  
100  
85  
145.5  
100  
130  
10  
38.3  
35H8  
41.3  
38H8

kit cod. K085.9.027



Double Shaft  
Albero lento bisp.



② kit cod. K085.5.029 type B

[illegible]