

|                    |        |     |
|--------------------|--------|-----|
| MODEL              | UMSG30 |     |
| Ø OUTPUT SHAFT     | 14     | mm  |
| APPROXIMATE RATIO  | 10     |     |
| EXACT RATIO        | 10.00  |     |
| OUTPUT SPEED       | 146    | RPM |
| EXACT OUTPUT SPEED | 146    | RPM |
| INPUT POWER        | 0.09   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 56B14  |     |
| OUTPUT TORQUE      | 5.03   | N.m |
| NOMINAL TORQUE     | 17.90  | N.m |
| NOMINAL POWER      | 0.32   | KW  |
| SERVICE FACTOR     | 3.56   |     |
| DYNAMIC EFFICIENCY | 0.82   |     |



Oil Quantity (L)

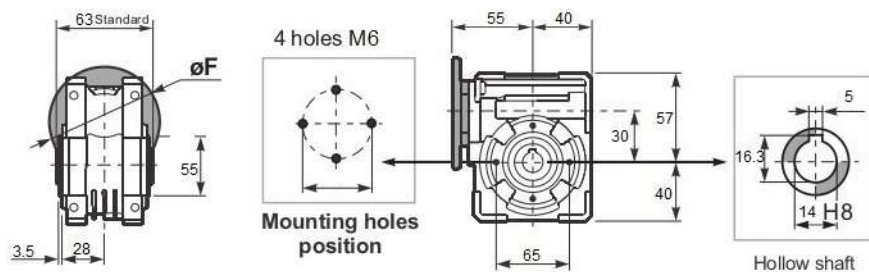
| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.05  | 0.05  | 0.05  | 0.05  | 0.05  | 0.05  |

Radial and Axial Loads



| n <sub>2</sub> [min-1] | FA [N] | FR [N] |
|------------------------|--------|--------|
| 200                    | 120    | 600    |
| 100                    | 160    | 800    |
| 50                     | 200    | 1000   |
| 15                     | 280    | 1400   |

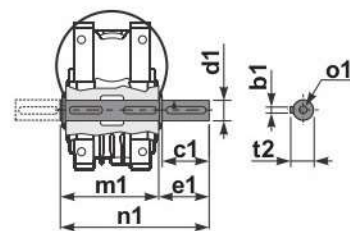
## Basic wormbox



## Square flange FA

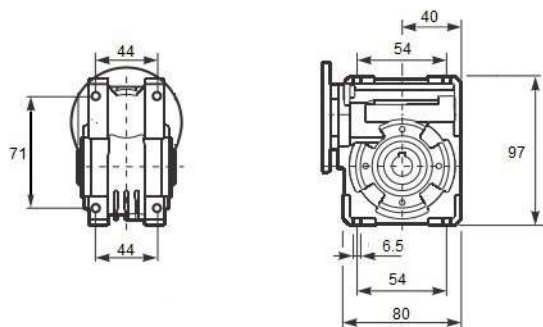


## Single Shaft



| $b1$ | $c1$ | $d1$ | $e1$ | $m1$ | $n1$ | $t2$ | $o1$ |
|------|------|------|------|------|------|------|------|
| 5    | 30   | 14   | 32.5 | 63   | 102  | 16   | M6   |

## Feet



## Reaction arm



| 1400 rpm | N2  | Relação | P1   | FS  | P1n  | M2 | Rend. | Fr max | Veio    |       | Flanges de entrada |        |  |
|----------|-----|---------|------|-----|------|----|-------|--------|---------|-------|--------------------|--------|--|
|          | rpm | i       | kW   |     | kW   | Nm | %     | N      | Entrada | Saída | 56                 | 63     |  |
| UMSG30   | 187 | 7,5     | 0,25 | 1,6 | 0,41 | 18 | 0,85  | 683    | 11      | 14    | B14/B5             | B14/B5 |  |
|          | 140 | 10      | 0,25 | 1,3 | 0,32 | 18 | 0,82  | 752    |         |       | B14/B5             | B14/B5 |  |
|          | 93  | 15      | 0,25 | 0,9 | 0,23 | 18 | 0,77  | 861    |         |       | B14/B5             | B14/B5 |  |
|          | 70  | 20      | 0,18 | 1,0 | 0,18 | 18 | 0,73  | 948    |         |       | B14/B5             | B14/B5 |  |
|          | 56  | 25      | 0,18 | 1,0 | 0,18 | 20 | 0,68  | 1021   |         |       | B14/B5             | B14/B5 |  |
|          | 47  | 30      | 0,18 | 0,8 | 0,15 | 20 | 0,65  | 1085   |         |       | B14/B5             | B14/B5 |  |
|          | 35  | 40      | 0,12 | 0,9 | 0,11 | 18 | 0,59  | 1194   |         |       | B14/B5             | B14/B5 |  |
|          | 28  | 50      | 0,09 | 1,0 | 0,09 | 17 | 0,55  | 1286   |         |       | B14/B5             | B14/B5 |  |
|          | 23  | 60      | 0,09 | 0,9 | 0,08 | 16 | 0,51  | 1367   | 9       |       | B14/B5             |        |  |
|          | 18  | 80      | 0,06 | 0,8 | 0,05 | 12 | 0,44  | 1504   |         |       | B14/B5             |        |  |