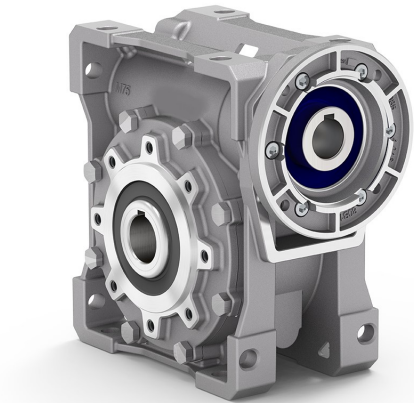


|                    |        |     |
|--------------------|--------|-----|
| MODEL              | UMSG30 |     |
| Ø OUTPUT SHAFT     | 14     | mm  |
| APPROXIMATE RATIO  | 60     |     |
| EXACT RATIO        | 60.00  |     |
| OUTPUT SPEED       | 24     | RPM |
| EXACT OUTPUT SPEED | 24     | RPM |
| INPUT POWER        | 0.09   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 56B14  |     |
| OUTPUT TORQUE      | 18.78  | N.m |
| NOMINAL TORQUE     | 16.70  | N.m |
| NOMINAL POWER      | 0.08   | KW  |
| SERVICE FACTOR     | 0.89   |     |
| DYNAMIC EFFICIENCY | 0.51   |     |



#### 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



| $n_2$ [min <sup>-1</sup> ] | FA [N] | FR [N] |
|----------------------------|--------|--------|
| 200                        | 120    | 600    |
| 100                        | 160    | 800    |
| 50                         | 200    | 1000   |
| 15                         | 280    | 1400   |

## Basic wormbox



## Square flange FA



## Single Shaft

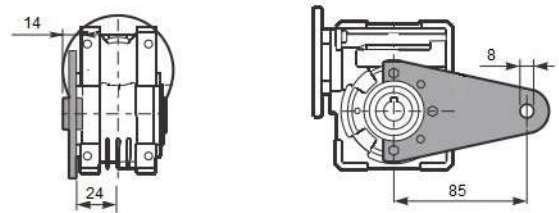


| $b_1$ | $c_1$ | $d_1$ | $e_1$ | $m_1$ | $n_1$ | $t_2$ | $o_1$ |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 5     | 30    | 14    | 32.5  | 63    | 102   | 16    | M6    |

## Feet



## Reaction arm



| 1400 rpm | N2<br>rpm | Relação<br>i | P1<br>kW | FS  | P1n<br>kW | M2<br>Nm | Rend.<br>% | Fr max<br>N | Veio    |       | Flanges de entrada |        |
|----------|-----------|--------------|----------|-----|-----------|----------|------------|-------------|---------|-------|--------------------|--------|
|          |           |              |          |     |           |          |            |             | 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        |         |       | B14/B5             |        |
|          | 18        | 80           | 0,06     | 0,8 | 0,05      | 12       | 0,44       | 1504        |         |       | B14/B5             |        |