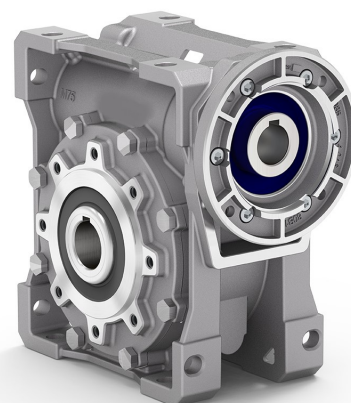


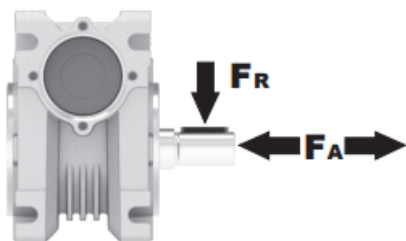
|                    |        |     |
|--------------------|--------|-----|
| MODEL              | UMSG90 |     |
| Ø OUTPUT SHAFT     | 35     | mm  |
| APPROXIMATE RATIO  | 30     |     |
| EXACT RATIO        | 30.00  |     |
| OUTPUT SPEED       | 49     | RPM |
| EXACT OUTPUT SPEED | 49     | RPM |
| INPUT POWER        | 2.20   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 100B5  |     |
| OUTPUT TORQUE      | 351.14 | N.m |
| NOMINAL TORQUE     | 414.99 | N.m |
| NOMINAL POWER      | 2.6    | KW  |
| SERVICE FACTOR     | 1.18   |     |
| DYNAMIC EFFICIENCY | 0.78   |     |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 1     | 1     | 1     | 1     | 1     | 1     |

#### Radial and Axial Loads



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



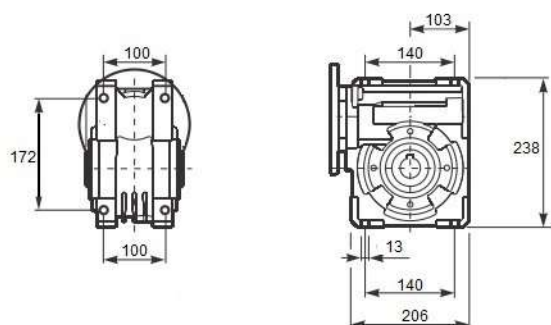
## Square flange FA



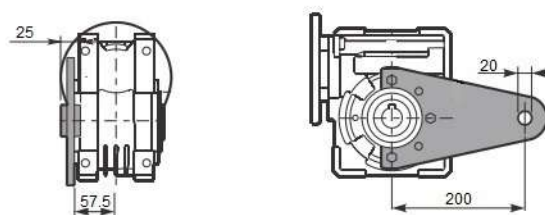
## Round flange FB



## Feet



## Reaction arm



## Single Shaft



| b1 | c1 | d1 | e1   | m1  | n1  | t2 | o1  |
|----|----|----|------|-----|-----|----|-----|
| 10 | 80 | 35 | 84.5 | 140 | 234 | 38 | M12 |

| UMSG90 | 1400 rpm | N2  | Relação | P1  | F5   | P1n | M2   | Rend. | Fr max | Veio    |       | Flanges de entrada |        |         |
|--------|----------|-----|---------|-----|------|-----|------|-------|--------|---------|-------|--------------------|--------|---------|
|        | rpm      | i   | kW      |     | kW   | Nm  | %    | N     |        | Entrada | Saída | 80                 | 90     | 100/112 |
|        | 187      | 7,5 | 5,5     | 1,1 | 6,3  | 287 | 0,9  | 3081  |        | 28      | 35    | B14/B5             | B14/B5 |         |
|        | 140      | 10  | 5,5     | 0,9 | 5,1  | 306 | 0,89 | 3391  |        |         |       | B14/B5             | B14/B5 |         |
|        | 93       | 15  | 4       | 1,0 | 4,1  | 357 | 0,86 | 3882  |        |         |       | B14/B5             | B14/B5 |         |
|        | 70       | 20  | 3       | 1,0 | 3,1  | 351 | 0,84 | 4273  |        |         |       | B14/B5             | B14/B5 |         |
|        | 56       | 25  | 2,2     | 1,1 | 2,4  | 332 | 0,82 | 4603  |        |         |       | B14/B5             | B14/B5 |         |
|        | 47       | 30  | 2,2     | 1,2 | 2,6  | 415 | 0,78 | 4891  |        |         |       | B14/B5             | B14/B5 |         |
|        | 35       | 40  | 1,5     | 1,2 | 1,8  | 363 | 0,75 | 5383  |        | 24      | 19    | B14/B5             | B14/B5 |         |
|        | 28       | 50  | 1,1     | 1,3 | 1,4  | 339 | 0,72 | 5799  |        |         |       | B14/B5             | B14/B5 |         |
|        | 23       | 60  | 1,1     | 1,0 | 1,1  | 307 | 0,69 | 6163  |        |         |       | B14/B5             | B14/B5 |         |
|        | 18       | 80  | 0,75    | 1,1 | 0,83 | 285 | 0,63 | 6783  |        |         |       | B14/B5             |        |         |
|        | 14       | 100 | 0,55    | 1,2 | 0,67 | 270 | 0,59 | 7306  |        |         |       | B14/B5             |        |         |