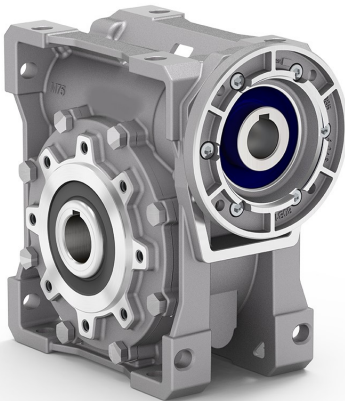


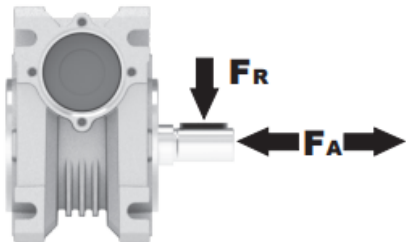
|                    |        |     |
|--------------------|--------|-----|
| MODEL              | UMSG50 |     |
| Ø OUTPUT SHAFT     | 25     | mm  |
| APPROXIMATE RATIO  | 50     |     |
| EXACT RATIO        | 50.00  |     |
| OUTPUT SPEED       | 29     | RPM |
| EXACT OUTPUT SPEED | 29     | RPM |
| INPUT POWER        | 0.25   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 71B14  |     |
| OUTPUT TORQUE      | 53.71  | N.m |
| NOMINAL TORQUE     | 73.05  | N.m |
| NOMINAL POWER      | 0.34   | KW  |
| SERVICE FACTOR     | 1.36   |     |
| DYNAMIC EFFICIENCY | 0.63   |     |



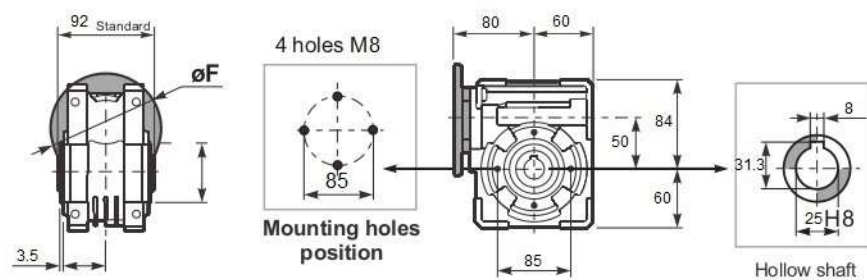
Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.15  | 0.15  | 0.15  | 0.15  | 0.15  | 0.15  |

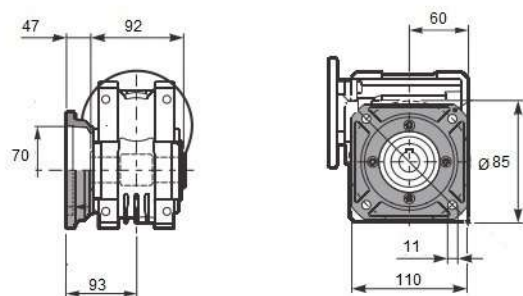
Radial and Axial Loads



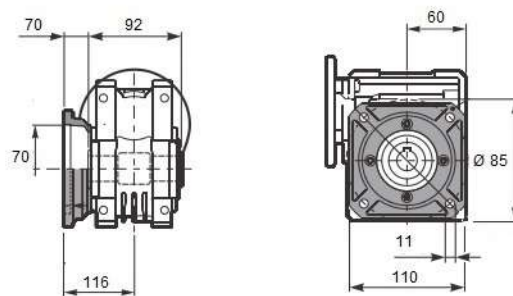
| n <sub>2</sub> [min-1] | FA [N] | FR [N] |
|------------------------|--------|--------|
| 200                    | 240    | 1200   |
| 100                    | 300    | 1500   |
| 50                     | 380    | 1900   |
| 15                     | 560    | 2800   |



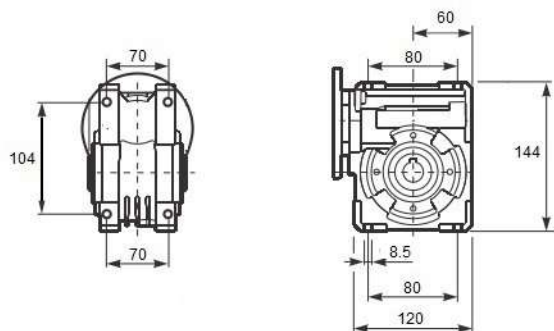
## Square flange FA



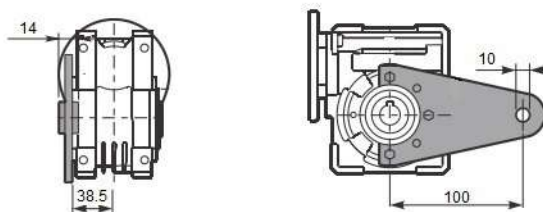
## Square flange FB



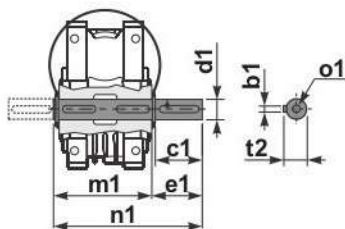
## Feet



## Reaction arm



## Single Shaft



| b1 | c1 | d1 | e1   | m1 | n1  | t2 | o1  |
|----|----|----|------|----|-----|----|-----|
| 8  | 50 | 25 | 53.5 | 92 | 153 | 28 | M10 |

| 1400 rpm | N2  | Relação | P1   | FS  | P1n  | M2 | Rend. | Fr max | Veio    |       | Flanges de entrada |        |        |  |
|----------|-----|---------|------|-----|------|----|-------|--------|---------|-------|--------------------|--------|--------|--|
|          | rpm | i       | kW   |     | kW   | Nm | %     | N      | Entrada | Saída | 63                 | 71     | 80     |  |
| UMSG50   | 187 | 7,5     | 1,1  | 1,5 | 1,6  | 71 | 0,88  | 1805   | 19      | 25    |                    | B14/B5 | B14/B5 |  |
|          | 140 | 10      | 1,1  | 1,1 | 1,2  | 70 | 0,86  | 1987   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 93  | 15      | 0,75 | 1,2 | 0,88 | 73 | 0,82  | 2274   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 70  | 20      | 0,75 | 0,9 | 0,68 | 72 | 0,79  | 2503   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 56  | 25      | 0,55 | 1,0 | 0,54 | 69 | 0,76  | 2696   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 47  | 30      | 0,55 | 1,0 | 0,57 | 83 | 0,72  | 2865   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 35  | 40      | 0,37 | 1,1 | 0,42 | 77 | 0,67  | 3153   | 14      |       |                    | B14/B5 |        |  |
|          | 28  | 50      | 0,37 | 0,9 | 0,34 | 73 | 0,63  | 3397   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 23  | 60      | 0,25 | 1,1 | 0,28 | 68 | 0,59  | 3610   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 18  | 80      | 0,25 | 0,9 | 0,22 | 64 | 0,53  | 3973   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 14  | 100     | 0,18 | 1,0 | 0,18 | 52 | 0,49  | 4280   |         |       | 11                 |        | B14/B5 |  |