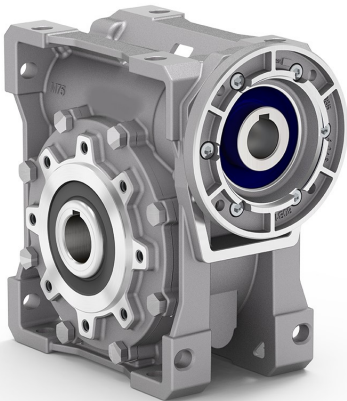


|                    |        |     |
|--------------------|--------|-----|
| MODEL              | UMSG40 |     |
| Ø OUTPUT SHAFT     | 18     | mm  |
| APPROXIMATE RATIO  | 15     |     |
| EXACT RATIO        | 15.00  |     |
| OUTPUT SPEED       | 97     | RPM |
| EXACT OUTPUT SPEED | 97     | RPM |
| INPUT POWER        | 0.55   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 71B14  |     |
| OUTPUT TORQUE      | 46.14  | N.m |
| NOMINAL TORQUE     | 40.27  | N.m |
| NOMINAL POWER      | 0.48   | KW  |
| SERVICE FACTOR     | 0.87   |     |
| DYNAMIC EFFICIENCY | 0.82   |     |



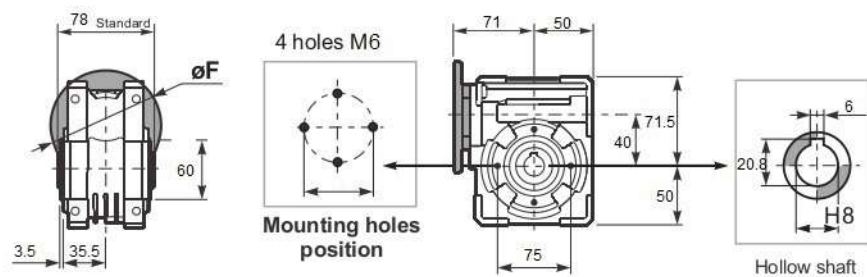
Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |

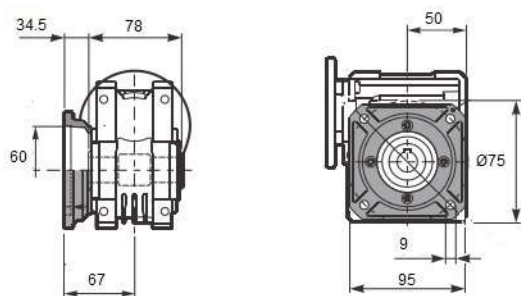
Radial and Axial Loads



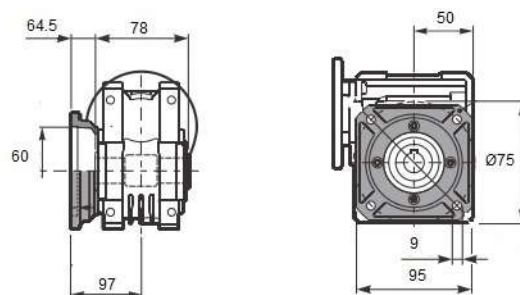
| n <sub>2</sub> [min-1] | FA [N] | FR [N] |
|------------------------|--------|--------|
| 200                    | 180    | 900    |
| 100                    | 220    | 1100   |
| 50                     | 260    | 1400   |
| 15                     | 400    | 2000   |



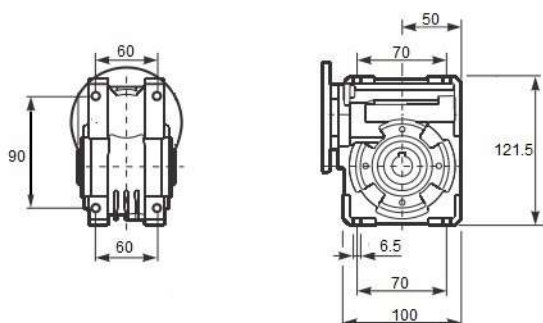
Square flange FA



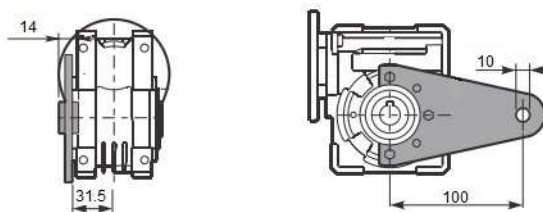
Square flange FB



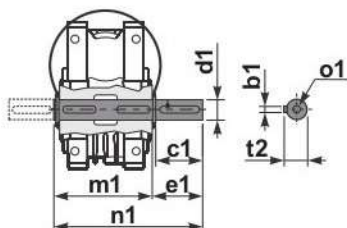
Feet



Reaction arm



Single Shaft



| b1 | c1 | d1 | e1 | m1 | n1  | t2   | o1 |
|----|----|----|----|----|-----|------|----|
| 6  | 40 | 18 | 43 | 78 | 128 | 20.5 | M6 |

| 1400 rpm | N2  | Relação | P1   | F5  | P1n  | M2 | Rend. | Fr max | Veio    |       | Flanges de entrada |        |        |  |
|----------|-----|---------|------|-----|------|----|-------|--------|---------|-------|--------------------|--------|--------|--|
|          | rpm | i       | kW   |     | kW   | Nm | %     | N      | Entrada | Saída | 56                 | 63     | 71     |  |
| UMSG40   | 187 | 7,5     | 0,55 | 1,6 | 0,9  | 40 | 0,87  | 1315   | 14      | 18    |                    | B14/B5 | B14/B5 |  |
|          | 140 | 10      | 0,55 | 1,3 | 0,69 | 40 | 0,85  | 1447   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 93  | 15      | 0,55 | 0,9 | 0,48 | 39 | 0,82  | 1657   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 70  | 20      | 0,37 | 1,0 | 0,37 | 39 | 0,78  | 1824   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 56  | 25      | 0,25 | 1,2 | 0,3  | 38 | 0,75  | 1964   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 47  | 30      | 0,25 | 1,2 | 0,31 | 44 | 0,7   | 2087   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 35  | 40      | 0,25 | 0,9 | 0,23 | 41 | 0,65  | 2298   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 28  | 50      | 0,18 | 1,0 | 0,18 | 37 | 0,62  | 2475   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 23  | 60      | 0,12 | 1,3 | 0,15 | 35 | 0,58  | 2630   | 11      |       |                    | B14/B5 | B14/B5 |  |
|          | 18  | 80      | 0,12 | 1,0 | 0,12 | 33 | 0,52  | 2895   |         |       |                    | B14/B5 | B14/B5 |  |
|          | 14  | 100     | 0,09 | 1,0 | 0,09 | 29 | 0,47  | 3118   |         |       |                    | B14/B5 | B14/B5 |  |
|          |     |         |      |     |      |    |       |        |         |       |                    | B14/B5 | B14/B5 |  |