

|                    |        |     |
|--------------------|--------|-----|
| MODEL              | UMSG63 |     |
| Ø OUTPUT SHAFT     | 25     | mm  |
| APPROXIMATE RATIO  | 15     |     |
| EXACT RATIO        | 15.00  |     |
| OUTPUT SPEED       | 97     | RPM |
| EXACT OUTPUT SPEED | 97     | RPM |
| INPUT POWER        | 0.75   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 80B14  |     |
| OUTPUT TORQUE      | 63.69  | N.m |
| NOMINAL TORQUE     | 140.12 | N.m |
| NOMINAL POWER      | 1.65   | KW  |
| SERVICE FACTOR     | 2.20   |     |
| DYNAMIC EFFICIENCY | 0.83   |     |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |

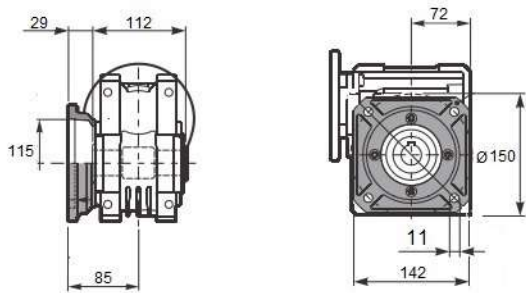
#### Radial and Axial Loads



| $n_2$ [min <sup>-1</sup> ] | FA [N] | FR [N] |
|----------------------------|--------|--------|
| 200                        | 360    | 1800   |
| 100                        | 460    | 2300   |
| 50                         | 600    | 3000   |
| 15                         | 800    | 4000   |



### Square flange FA



### Square flange FB



### Feet



### Reaction arm



### Single Shaft



| b1 | c1 | d1 | e1   | m1  | n1  | t2 | o1  |
|----|----|----|------|-----|-----|----|-----|
| 8  | 50 | 25 | 53.5 | 112 | 173 | 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 | 71                 | 80     | 90     |
| UMSG63   | 187 | 7,5     | 2,2  | 1,3 | 2,8  | 126 | 0,88  | 2359   | 24      | 25    |                    | B14/B5 | B14/B5 |
|          | 140 | 10      | 2,2  | 1,0 | 2,2  | 129 | 0,87  | 2597   |         |       |                    | B14/B5 | B14/B5 |
|          | 93  | 15      | 1,5  | 1,1 | 1,65 | 134 | 0,83  | 2973   |         |       |                    | B14/B5 | B14/B5 |
|          | 70  | 20      | 1,1  | 1,1 | 1,2  | 131 | 0,81  | 3272   |         |       |                    | B14/B5 | B14/B5 |
|          | 56  | 25      | 1,1  | 0,9 | 1    | 131 | 0,78  | 3524   |         |       |                    | B14/B5 | B14/B5 |
|          | 47  | 30      | 1,1  | 1,0 | 1,1  | 164 | 0,74  | 3745   |         |       |                    | B14/B5 | B14/B5 |
|          | 35  | 40      | 0,75 | 1,0 | 0,76 | 143 | 0,7   | 4122   | 19      |       | B14/B5             | B14/B5 | B14/B5 |
|          | 28  | 50      | 0,55 | 1,1 | 0,6  | 133 | 0,66  | 4440   |         |       | B14/B5             | B14/B5 |        |
|          | 23  | 60      | 0,55 | 0,9 | 0,51 | 130 | 0,62  | 4719   |         |       | B14/B5             | B14/B5 |        |
|          | 18  | 80      | 0,37 | 1,1 | 0,39 | 119 | 0,57  | 5193   |         |       | B14/B5             | B14/B5 |        |
|          | 14  | 100     | 0,37 | 0,9 | 0,34 | 118 | 0,51  | 5592   | 14      |       | B14/B5             |        |        |