

|                    |        |     |
|--------------------|--------|-----|
| MODEL              | UMSG75 |     |
| Ø OUTPUT SHAFT     | 28     | mm  |
| APPROXIMATE RATIO  | 7.5    |     |
| EXACT RATIO        | 7.50   |     |
| OUTPUT SPEED       | 195    | RPM |
| EXACT OUTPUT SPEED | 195    | RPM |
| INPUT POWER        | 2.20   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 100B5  |     |
| OUTPUT TORQUE      | 100.17 | N.m |
| NOMINAL TORQUE     | 186.67 | N.m |
| NOMINAL POWER      | 4.1    | KW  |
| SERVICE FACTOR     | 1.86   |     |
| DYNAMIC EFFICIENCY | 0.89   |     |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |

#### Radial and Axial Loads



| $n_2$ [min <sup>-1</sup> ] | FA [N] | FR [N] |
|----------------------------|--------|--------|
| 200                        | 460    | 2300   |
| 100                        | 560    | 2800   |
| 50                         | 720    | 3600   |
| 15                         | 1000   | 5000   |



### Square flange FA



### Round flange FB



### Feet



### Reaction arm



### Single Shaft



| b1 | c1 | d1 | e1   | m1  | n1  | t2 | o1  |
|----|----|----|------|-----|-----|----|-----|
| 8  | 60 | 28 | 63.5 | 120 | 192 | 31 | 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     | 100/112 |        |        |
| UMSG75   | 187 | 7,5     | 4    | 1,0 | 4,1  | 185 | 0,89  | 2785   | 28      | 28    |                    |    | B14/B5 | B14/B5  |        |        |
|          | 140 | 10      | 3    | 1,1 | 3,2  | 190 | 0,88  | 3065   |         |       |                    |    |        |         | B14/B5 | B14/B5 |
|          | 93  | 15      | 2,2  | 1,0 | 2,3  | 198 | 0,85  | 3509   |         |       |                    |    |        |         | B14/B5 | B14/B5 |
|          | 70  | 20      | 1,5  | 1,3 | 1,9  | 210 | 0,82  | 3862   | 24      | 28    |                    |    | B14/B5 | B14/B5  |        |        |
|          | 56  | 25      | 1,5  | 1,0 | 1,5  | 202 | 0,8   | 4160   |         |       |                    |    |        |         | B14/B5 | B14/B5 |
|          | 47  | 30      | 1,5  | 1,0 | 1,5  | 233 | 0,76  | 4421   |         |       |                    |    |        |         | B14/B5 | B14/B5 |
|          | 35  | 40      | 1,1  | 1,0 | 1,1  | 216 | 0,72  | 4865   |         |       |                    |    |        |         | B14/B5 | B14/B5 |
|          | 28  | 50      | 0,75 | 1,2 | 0,89 | 206 | 0,69  | 5241   | 19      | 14    |                    |    | B5     | B14/B5  |        |        |
|          | 23  | 60      | 0,75 | 1,0 | 0,75 | 197 | 0,65  | 5569   |         |       |                    |    |        |         | B5     | B14/B5 |
|          | 18  | 80      | 0,55 | 1,1 | 0,58 | 197 | 0,6   | 6130   |         |       |                    |    |        |         | B5     | B14/B5 |
|          | 14  | 100     | 0,37 | 1,3 | 0,48 | 180 | 0,55  | 6603   |         |       |                    |    |        |         | B5     | B14/B5 |