

|                    |         |     |
|--------------------|---------|-----|
| MODEL              | UMSG110 |     |
| Ø OUTPUT SHAFT     | 42      | mm  |
| APPROXIMATE RATIO  | 50      |     |
| EXACT RATIO        | 50.00   |     |
| OUTPUT SPEED       | 29      | RPM |
| EXACT OUTPUT SPEED | 29      | RPM |
| INPUT POWER        | 1.50    | KW  |
| INPUT ROTATION     | 1400    | RPM |
| INPUT PAM          | 90B5    |     |
| OUTPUT TORQUE      | 383.68  | N.m |
| NOMINAL TORQUE     | 562.73  | N.m |
| NOMINAL POWER      | 2.2     | KW  |
| SERVICE FACTOR     | 1.47    |     |
| DYNAMIC EFFICIENCY | 0.75    |     |



Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 3     | 2.5   | 2.5   | 2.2   | 3     | 2.2   |

Radial and Axial Loads



| n <sub>2</sub> [min-1] | FA [N] | FR [N] |
|------------------------|--------|--------|
| 200                    | 600    | 2900   |
| 100                    | 750    | 3600   |
| 50                     | 920    | 4600   |
| 15                     | 1400   | 7000   |



## Square flange FA



## Single Shaft



| b1 | c1 | d1 | e1   | m1  | n1  | t2 | o1  |
|----|----|----|------|-----|-----|----|-----|
| 12 | 80 | 42 | 84.5 | 155 | 249 | 45 | M16 |

## Feet



## Reaction arm



| 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 | 132    |
| UMSG110  | 187 | 7,5     | 7,5 | 1,6 | 12  | 546 | 0,9   | 3893   | 38      | 42    |                    |    | B14/B5  | B14/B5 |
|          | 140 | 10      | 7,5 | 1,3 | 9,8 | 588 | 0,89  | 4285   |         |       |                    |    | B14/B5  | B14/B5 |
|          | 93  | 15      | 7,5 | 1,0 | 7,5 | 660 | 0,86  | 4905   |         |       |                    |    | B14/B5  | B14/B5 |
|          | 70  | 20      | 5,5 | 1,0 | 5,6 | 649 | 0,85  | 5399   |         |       |                    |    | B14/B5  | B14/B5 |
|          | 56  | 25      | 5,5 | 1,0 | 5,7 | 665 | 0,84  | 5816   |         |       |                    |    | B14/B5  | B14/B5 |
|          | 47  | 30      | 4,0 | 1,1 | 4,5 | 727 | 0,79  | 6181   | 28      |       |                    |    | B14/B5  | B14/B5 |
|          | 35  | 40      | 3,0 | 1,1 | 3,3 | 693 | 0,78  | 6803   |         |       |                    |    | B14/B5  | B14/B5 |
|          | 28  | 50      | 2,2 | 1,2 | 2,6 | 656 | 0,75  | 7325   |         |       |                    |    | B14/B5  | B14/B5 |
|          | 23  | 60      | 1,5 | 1,4 | 2,1 | 620 | 0,72  | 7787   |         |       |                    |    | B14/B5  | B14/B5 |
|          | 18  | 80      | 1,5 | 0,9 | 1,4 | 512 | 0,67  | 8571   |         |       | 24                 |    |         | B5     |
|          | 14  | 100     | 1,1 | 1,0 | 1,1 | 473 | 0,63  | 9232   |         |       |                    |    | B5      | B14/B5 |