



# Motorized pulley 165E – Ø 165 mm

# 50 Hz

| Power<br>kW/HP | Motor              |                | Nominal belt<br>speed at<br>Full Load<br>50Hz<br>m/sec | Torque<br>Nm | Belt<br>Pull<br>N | Max.<br>Radial<br>Load<br>T1+T2<br>N | Weight in kg for STANDARD width |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  | Type<br>of<br>Bracket |
|----------------|--------------------|----------------|--|--------------|-------------------|--------------------------------------|---------------------------------|------|------|-----|-----|------|------|------|-----|------|------|------|-----|------|------|----------------------------|-------------------------|----|--|-----------------------|
|                | No.<br>of<br>Poles | Gear<br>stages |  |              |                   |                                      | Dimension RL in mm              |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                |  |              |                   |                                      | 350                             | 400  | 450  | 500 | 550 | 600  | 650  | 700  | 750 | 800  | 850  | 900  | 950 | 1000 | 1050 | 1100                       | per 50 mm<br>up to 1800 |    |  |                       |
| 0.11/<br>0.15  | 12                 | 3              | 0.05   | 170          | 2070              | 9330                                 | 29                              | 30.5 | 32   | 33  | 34  | 35   | 36.5 | 38   | 39  | 40   | 41.5 | 43   | 44  | 46   | 47   | Available<br>on<br>request | KL40                    |    |  |                       |
|                |                    |                | 0.06   | 141          | 1700              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.08   | 113          | 1375              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.10   | 86           | 1045              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 0.37<br>0.50   | 6                  | 3              | 0.13   | 239          | 2905              | 9330                                 | 30                              | 31.5 | 33   | 34  | 35  | 36   | 37.5 | 39   | 40  | 41   | 42.5 | 44   | 45  | 47   | 48   |                            |                         |    |  |                       |
|                |                    |                | 0.16   | 193          | 2345              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                | 4                  | 3              | 0.20   | 157          | 1910              | 9330                                 | 26                              | 28   | 29.5 | 31  | 32  | 33   | 34   | 35.5 | 37  | 38   | 39   | 40.5 | 42  | 43   | 45   |                            |                         | 46 |  |                       |
|                |                    |                | 0.25   | 127          | 1545              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.32   | 97           | 1175              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    | 0.40           | 77   | 930          |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    | 2              | 0.50   | 60           | 735               |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.63   | 49           | 595               |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 0.80           | 38                 |                | 455  |              |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 1.00           | 29                 | 360            |  |              |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 0.75/<br>1.00  | 6                  | 3              | 0.16   | 341          | 4140              | 9330                                 | 33                              | 34.5 | 36   | 37  | 38  | 39   | 40.5 | 42   | 43  | 44   | 45.5 | 47   | 48  | 50   | 51   |                            |                         |    |  |                       |
|                |                    |                | 0.20   | 302          | 3665              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                | 4                  | 3              | 0.25   | 248          | 3005              | 9330                                 | 31                              | 32.5 | 34   | 35  | 36  | 37   | 38.5 | 40   | 41  | 42   | 43.5 | 45   | 46  | 48   | 49   |                            |                         |    |  |                       |
|                |                    |                | 0.32   | 189          | 2295              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.40   | 162          | 1815              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    | 2              | 0.50   | 119          | 1435              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.63   | 96           | 1160              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.80   | 72           | 885               |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 1.00           | 57                 | 700            |  |              |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 1.10/<br>1.50  | 4                  | 3              | 0.25   | 332          | 4030              | 9330                                 | 34                              | 35.5 | 37   | 38  | 39  | 40   | 41.5 | 43   | 44  | 45   | 46.5 | 48   | 49  | 51   | 52   |                            |                         |    |  |                       |
|                |                    |                | 0.32   | 272          | 3305              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                | 2                  | 3              | 0.40   | 226          | 2745              | 9330                                 | 33                              | 34.5 | 36   | 37  | 38  | 39   | 40.5 | 42   | 43  | 44   | 45.5 | 47   | 48  | 50   | 51   |                            |                         |    |  |                       |
|                |                    |                | 0.50   | 183          | 2220              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.63   | 139          | 1690              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 0.80   | 110          | 1340              |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    | 2              | 1.00   | 87           | 1060              | 8700                                 | 34                              | 35.5 | 37   | 38  | 39  | 40   | 41.5 | 43   | 44  | 45   | 46.5 | 48   | 49  | 51   | 52   |                            |                         |    |  |                       |
|                |                    |                | 1.25   | 70           | 855               |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 1.60   | 54           | 650               |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    |                | 2.00   | 42           | 515               |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 2.50           | 34                 | 420            | 6950   |              |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 1.50/<br>2.00  | 3                  | 0.50           | 237  | 2880         | 9330              | 34                                   | 35.5                            | 37   | 38   | 39  | 40  | 41.5 | 43   | 44   | 45  | 46.5 | 48   | 49   | 51  | 52   |      |                            |                         |    |  |                       |
|                |                    | 0.63           | 195  | 2360         |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    | 0.80           | 154  | 1870         |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    | 1.00           | 122  | 1480         |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                | 2                  | 1.25           | 98   | 1195         | 8700              | 34                                   | 35.5                            | 37   | 38   | 39  | 40  | 41.5 | 43   | 44   | 45  | 46.5 | 48   | 49   | 51  | 52   |      |                            |                         |    |  |                       |
|                |                    | 1.60           | 75   | 910          |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    | 2.00           | 59   | 720          |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
|                |                    | 2.50           | 48   | 585          |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |
| 3.15           | 39                 | 485            | 6950   |              |                   |                                      |                                 |      |      |     |     |      |      |      |     |      |      |      |     |      |      |                            |                         |    |  |                       |

| Motor                      | Max.<br>Radial<br>Load<br>T1+T2<br>N | Weight in kg for STANDARD width |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                         |      |  | Type<br>of<br>Bracket |
|----------------------------|--------------------------------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------------|------|--|-----------------------|
|                            |                                      | Dimension RL in mm              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                         |      |  |                       |
|                            |                                      | 350                             | 400  | 450  | 500  | 550  | 600  | 650  | 700  | 750  | 800  | 850  | 900  | 950  | 1000 | 1050 | 1100 | per 50 mm<br>up to 1800 |      |  |                       |
| <b>Idler Pulley UT165E</b> | 9330                                 | 12.5                            | 14.0 | 15.5 | 17.0 | 18.5 | 20.0 | 21.5 | 23.0 | 24.5 | 26.0 | 27.5 | 29.0 | 30.5 | 32.0 | 33.5 | 35.0 | Available<br>on request | KL40 |  |                       |