





## Motorized Pulley 400M & 400H, Ø 15.91 in. (404 mm) 60 Hz

| Motor    |              | No. Gear Stages | Model | Nominal belt speed <sup>1</sup> at Full Load 60 Hz fpm | Actual belt speed <sup>1</sup> at Full Load 60 Hz fpm | Belt Pull <sup>2</sup> lbs                             | Max. Radial Load <sup>3</sup> T1 + T2 lbs | Min. RL in | RL Dimension inches (RL>78.74" available on request) |       |       |       |       |       |       |       |       |       | Type of Bracket   |  |                            |            |  |  |
|----------|--------------|-----------------|-------|--|---|--|---|------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|--|----------------------------|------------|--|--|
| Power HP | No. of Poles |                 |       |  |   |  |   |            | Weight in lbs <sup>5</sup>                           |       |       |       |       |       |       |       |       |       |                   |  |                            |            |  |  |
|          |              |                 |       |  |   |  |   |            |  | 23.62 | 25.59 | 27.56 | 29.53 | 31.50 | 33.46 | 35.43 | 37.40 | 39.37 | longer than 39.37 |  |                            |            |  |  |
| 3        | 8            | 3               | 400H  | 38<br>48<br>60   | 44<br>54<br>64  | 2121<br>1725<br>1442                                   | 11,250                                    | 25.59      | -  | 533   | 547   | 563   | 577   | 591   | 605   | 619   | 634   |       |                   |  | See Foot-note <sup>4</sup> | KL60 6YA09 |  |  |
|          |              | 2               | 400M  | 76<br>96<br>120<br>150<br>192<br>240<br>300<br>384     | 82<br>101<br>121<br>152<br>197<br>248<br>307<br>390   | 1131<br>920<br>770<br>610<br>468<br>371<br>302<br>238  | 9,100                                     | 23.62      | 442  | 456   | 470   | 485   | 500   | 514   | 528   | 542   | 557   |       |                   |  |                            |            |  |  |
| 5.5      | 8            | 3               | 400H  | 48<br>60<br>76   | 54<br>64<br>81  | 3137<br>2623<br>2079                                   | 11,250                                    | 25.59      | -  | 553   | 567   | 582   | 597   | 611   | 625   | 639   | 654   |       |                   |  |                            |            |  |  |
|          |              | 2               | 400M  | 96<br>120<br>150<br>192<br>240<br>300<br>384           | 101<br>121<br>152<br>197<br>248<br>307<br>390         | 1673<br>1399<br>1108<br>851<br>675<br>548<br>432       | 9,100                                     | 23.62      | 462  | 476   | 490   | 505   | 519   | 534   | 548   | 562   | 576   |       |                   |  |                            |            |  |  |
| 7.5      | 4            | 3               | 400H  | 76<br>96<br>120  | 87<br>107<br>128                                      | 2651<br>2156<br>1803                                   | 11,250                                    | 25.59      | -  | 533   | 547   | 563   | 577   | 591   | 605   | 619   | 634   |       |                   |  |                            |            |  |  |
|          |              | 2               | 400M  | 150<br>192<br>240<br>300<br>384<br>480<br>600<br>768   | 163<br>201<br>240<br>303<br>395<br>498<br>613<br>778  | 1413<br>1150<br>962<br>762<br>585<br>465<br>377<br>297 | 9,100                                     | 23.62      | 442  | 456   | 470   | 485   | 500   | 514   | 528   | 542   | 557   |       |                   |  |                            |            |  |  |
| 10       | 6            | 3               | 400H  | 96<br>120<br>150                                       | 108<br>140<br>177                                     | 2923<br>2244<br>1782                                   | 11,250                                    | 29.53      | -  | -     | -     | 602   | 616   | 631   | 645   | 659   | 673   |       |                   |  |                            |            |  |  |
|          |              | 2               | 400M  | 192<br>240<br>300<br>384<br>480<br>600<br>768          | 201<br>240<br>303<br>395<br>498<br>613<br>778         | 1568<br>1311<br>1039<br>798<br>633<br>515<br>405       | 9,100                                     | 23.62      | 455  | 469   | 483   | 499   | 513   | 527   | 541   | 556   | 570   |       |                   |  |                            |            |  |  |
| 15       | 4            | 3               | 400H  | 150<br>192<br>240                                      | 162<br>211<br>265                                     | 2859<br>2194<br>1742                                   | 11,250                                    | 29.53      | -  | -     | -     | 602   | 616   | 631   | 645   | 659   | 673   |       |                   |  |                            |            |  |  |
|          |              | 2               | 400M  | 300<br>384<br>480<br>600<br>768                        | 303<br>395<br>498<br>613<br>778                       | 1525<br>1170<br>929<br>754<br>594                      | 9,100                                     | 27.56      | -  | -     | 510*  | 525   | 539   | 554   | 568   | 582   | 596   |       |                   |  |                            |            |  |  |
| 20       | 2            | 3               | 400H  | 192<br>240<br>300                                      | 214<br>257<br>323                                     | 2940<br>2459<br>1949                                   | 11,250                                    | 29.53      | -  | -     | -     | 602   | 616   | 631   | 645   | 659   | 673   |       |                   |  |                            |            |  |  |
|          |              | 2               | 400M  | 384<br>480<br>600<br>768                               | 402<br>481<br>607<br>791                              | 1568<br>1311<br>1039<br>798                            | 9,100                                     | 27.56      | -  | -     | 510*  | 525   | 539   | 554   | 568   | 582   | 596   |       |                   |  |                            |            |  |  |

| Idler Pulley | UT400M | 9,100  | 23.62 | 264 | 277 | 294 | 309 | 323 | 333 | 347 | 362 | 376 | See Foot-note <sup>4</sup> | KL60 6YA09 |
|--------------|--------|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------------|------------|
|              | UT400H | 11,250 | 25.59 | -   | 288 | 305 | 320 | 334 | 344 | 358 | 373 | 387 |                            |            |

- Use "nominal belt speed" to specify pulley. "Actual belt speed" is presented (for pulley lagged with 5/16" thick rubber) to assist with process design calculations. See Technical Precautions page 77. Note that "actual belt speed" decreases when lagging is not used due to decreased pulley diameter.
  - Belt pull value allows for gearbox loss.
  - Pulley must not be subjected to radial load exceeding "Maximum radial load" defined above. See "Belt Tension" section in Technical Precautions, page 78.
  - Additional Motorized Pulley and Idler Pulley weight, specified per Roller Length:  $39.37 \leq RL \leq 78.74$  Wt = 7.3 lbs/in.
  - All weights shown above are for pulleys "fully lagged" with 5/16" thick rubber. For "partially lagged" pulleys add 5% to 10% to the weights shown above. See page 80 for "partial lagging." To calculate unlagged pulley weight subtract 0.6 lbs/in of Roller Length from above.
- \* Special "Short Roller Length" Option