



Motorized Pulley 220M & 220H, Ø 8.50 in. (216 mm) 60 Hz

| Motor | | No. Gear Stages | Model | Nominal belt speed ¹ at Full Load 60 Hz fpm | Actual belt speed ¹ at Full Load 60 Hz fpm | Belt Pull ² lbs | Max. Radial Load ³ T1 + T2 lbs | Min. RL in | RL Dimension inches (RL>78.74" available on request) | | | | | | | | | | longer than 31.50 | Type of Bracket | | |
|----------|--------------|-----------------|-------|--|---|--|---|------------|--|------|------|-------|-------|-------|-------|-------|-------|----------------------------|-------------------|-----------------|--|--|
| Power HP | No. of Poles | | | | | | | | Weight in lbs ⁵ | | | | | | | | | | | | | |
| | | | | | | | | | | | | 15.75 | 17.72 | 19.69 | 21.65 | 23.62 | 25.59 | 27.56 | 29.53 | 31.50 | | |
| 0.50 | 8 | 3 | 220H | 30 38 | 34 40 | 458 383 | 5620 | 17.72 | - | 146* | 154 | 160 | 168 | 175 | 182 | 189 | 196 | | | | | |
| | | 2 | 220M | 48 60 76 96 120 150 192 240 300 | 54 69 84 101 128 159 208 250 319 | 287 227 185 155 122 97 75 62 49 | 2585 | 15.75 | 111* | 117 | 125 | 132 | 139 | 146 | 154 | 160 | 168 | | | | | |
| 0.75 | 8 | 3 | 220H | 30 38 | 34 40 | 685 577 | 5620 | 19.69 | - | - | 163 | 169 | 177 | 183 | 191 | 198 | 205 | | | | | |
| | | 2 | 220M | 48 60 76 96 120 150 192 240 300 | 54 69 84 101 128 159 208 250 319 | 430 337 277 231 181 146 112 93 73 | 2585 | 17.72 | - | 126 | 134 | 140 | 148 | 155 | 162 | 169 | 177 | | | | | |
| 1 | 8 | 3 | 220H | 24 30 38 | 28 34 40 | 1137 928 774 | 5620 | 19.69 | - | - | 163* | 169 | 177 | 183 | 191 | 198 | 205 | See Foot-note ⁴ | KL41-HD 6YA0K | | | |
| | | 2 | 220M | 48 60 76 96 120 150 192 240 300 | 54 69 84 101 128 159 208 250 319 | 583 460 376 314 247 198 152 126 99 | 2585 | 17.72 | - | 126* | 134 | 140 | 148 | 155 | 162 | 169 | 177 | | | | | |
| 1.5 | 6 | 3 | 220H | 30 38 48 | 37 46 54 | 1251 1021 852 | 5620 | 19.69 | - | - | 156 | 163 | 170 | 177 | 184 | 191 | 199 | | | | | |
| | | 2 | 220M | 60 76 | 72 91 | 641 506 | 2585 | 17.72 | - | 122* | 129 | 136 | 144 | 150 | 158 | 165 | 172 | | | | | |
| | 4 | 2 | 220M | 96 120 150 192 240 300 384 480 600 | 108 137 168 201 256 319 415 501 637 | 427 337 276 230 180 145 111 93 73 | 2585 | 15.75 | 106* | 113 | 121 | 127 | 135 | 141 | 149 | 156 | 163 | | | | | |

| Idler Pulley | Model UT220M | 2585 | 15.75 | 60 | 65 | 70 | 74 | 80 | 84 | 90 | 94 | 99 | See Foot-note ⁴ | KL41-HD 6YA0K |
|--------------|--------------|------|-------|----|----|----|----|----|----|----|----|-----|----------------------------|---------------|
| | Model UT220H | 5620 | 15.75 | 64 | 69 | 74 | 79 | 84 | 89 | 94 | 98 | 104 | | |

- Use "nominal belt speed" to specify pulley. "Actual belt speed" is presented (for pulley lagged with 1/4" 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:
 $31.50" \leq RL < 59.06" \text{ Wt} = 3.7 \text{ lbs/in}$
 $59.06" \leq RL < 78.74" \text{ Wt} = 7.1 \text{ lbs/in}$
 - All weights shown above are for pulleys with 1/4" thick lagging. To calculate unlagged pulley weight subtract 0.3 lbs/in of Roller Length from above.
- * Special "Short Roller Length" Option



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| Motor | | No. Gear Stages | Model | Nominal belt speed ¹ at Full Load 60 Hz fpm | Actual belt speed ¹ at Full Load 60 Hz fpm | Belt Pull ² lbs | Max. Radial Load ³ 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 ⁵ | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 15.75 | 17.72 | 19.69 | 21.65 | 23.62 | 25.59 | 27.56 | 29.53 | 31.50 | longer than 31.50 | | | | | | | | | | | |
| | 6 | 3 | 220H | 48 60 | 55 68 | 1137 928 | 5620 | 19.69 | - | - | 156 | 163 | 170 | 177 | 184 | 191 | 199 | | | See Foot-note ⁴ | KL41-HD 6YA0K | | | | | | | | | |
| | | 2 | 220M | 76 | 91 | 690 | 2585 | 17.72 | - | 126* | 134 | 140 | 148 | 155 | 162 | 169 | 177 | | | | | | | | | | | | | |
| 2 | 4 | 2 | 220M | 96 | 108 | 583 | 2585 | 15.75 | 110* | 117 | 125 | 132 | 139 | 146 | 154 | 160 | 164 | | | | | | | | | | | | | |
| | | | | 120 | 137 | 460 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 150 | 168 | 376 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 192 | 201 | 314 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 240 | 256 | 247 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 300 | 319 | 198 | | | | | | | | | | | | | | | | | | | | | | | | |
| 384 | 415 | 152 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 480 | 501 | 126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 | 637 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | 3 | 220H | 60 76 | 68 82 | 1361 1136 | 5620 | 19.69 | - | - | 156* | 165 | 172 | 179 | 187 | 193 | 201 | | | | | | | | | | | | | |
| | | 2 | 220M | 96 120 150 192 240 300 384 480 600 | 108 137 168 201 256 319 415 501 637 | 855 675 551 460 361 291 223 185 145 | 2585 | 17.72 | - | 126* | 134 | 140 | 148 | 155 | 162 | 169 | 177 | | | | | | | | | | | | | |
| 4 | 4 | 3 | 220H | 96 120 | 104 129 | 1216 978 | | | | | | | | | | | | 5620 | 21.65 | - | - | - | 169 | 177 | 183 | 191 | 198 | 201 | | |
| 4 | 4 | 2 | 220M | 150 | 168 | 751 | | | | | | | | | | | | 2585 | 19.69 | - | - | 138 | 145 | 153 | 159 | 167 | 173 | 181 | | |
| | | | | 192 | 201 | 627 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 240 | 256 | 492 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 300 | 319 | 396 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 384 | 415 | 304 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 480 | 501 | 252 | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 | 637 | 197 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 3 | 220H | 120 150 | 136 163 | 1237 1033 | 5620 | 21.65 | - | - | - | 169 | 177 | 183 | 191 | 198 | 205 | | | | | | | | | | | | | |
| | | 2 | 220M | 192 240 300 384 480 600 | 216 274 336 402 512 636 | 777 614 501 418 329 264 | 2585 | 19.69 | - | - | 138 | 145 | 153 | 159 | 167 | 173 | 181 | | | | | | | | | | | | | |
| 7.5 | 2 | 3 | 220H | 192 240 300 384 480 600 | 202 254 314 408 522 625 | 1146 909 735 567 443 370 | | | | | | | | | | | | 5620 | 21.65 | - | - | - | 169 | 177 | 183 | 191 | 198 | 205 | | |

| Idler Pulley | Model UT220M | 2585 | 15.75 | 59 | 65 | 70 | 74 | 80 | 84 | 90 | 94 | 99 | See Foot-note ⁴ | KL41-HD 6YA0K |
|--------------|--------------|------|-------|----|----|----|----|----|----|----|----|-----|----------------------------|---------------|
| | Model UT220H | 5620 | 15.75 | 63 | 69 | 74 | 79 | 84 | 89 | 94 | 98 | 104 | | |

- Use "nominal belt speed" to specify pulley. "Actual belt speed" is presented (for pulley lagged with 1/4" 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.
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