



Motorized Pulley 113LS

Ø 4.53 in. (113 mm), with helical steel gearbox

| Power & Speed Combinations: 3 phase | | | | | | | | | | | | | | | | |
|-------------------------------------|-------------|-------------------------|-----------------|------------|--|---|---------------|---|------------------------|------------------------|------|-------|-------|-----|-----|----|
| Power HP | Poles (rpm) | FLA (amps) ¹ | No. Gear Stages | Gear Ratio | Nominal belt speed at Full Load 60 Hz fpm ² | Actual belt speed at Full Load 60 Hz fpm ² | Belt Pull lbs | Max. Radial Load T1 + T2 lbs ³ | RL in | | | | | | | |
| 0.05 | 12 (540) | 0.88/0.47 | 3 | 42.66 | 12 | 15 | 100 | 1470 | min 9.84 max 55.12 | | | | | | | |
| | | | | 36.35 | 14 | 17 | 85 | | | | | | | | | |
| | | | | 31.36 | 18 | 20 | 73 | | | | | | | | | |
| 0.09 | 12 (520) | 1.11/0.63 | 3 | 42.66 | 12 | 14 | 207 | 1470 | min 11.81 max 55.12 | | | | | | | |
| | | | | 36.35 | 14 | 17 | 177 | | | | | | | | | |
| | | | | 31.36 | 18 | 19 | 152 | | | | | | | | | |
| 0.11 | 8 (825) | 0.97/0.56 | 3 | 42.66 | 24 | 23 | 149 | 1470 | min 9.84 max 55.12 | | | | | | | |
| 0.13 | 6 (1100) | 0.87/0.44 | 3 | 42.66 | 26 | 30 | 140 | 1470 | | | | | | | | |
| | | | | 36.35 | 30 | 35 | 119 | | | | | | | | | |
| | | | | 31.36 | 38 | 41 | 103 | | | | | | | | | |
| | | | | 27.32 | 48 | 47 | 90 | | | | | | | | | |
| | | | | 23.99 | 52 | 53 | 79 | | | | | | | | | |
| 2 | 15.17 | 76 | 84 | 50 | 1020 | 70 | 1470 | | | | | | | | | |
| | | | | | | | | 12.92 | | 96 | 99 | 42 | | | | |
| | | | | | | | | 11.15 | | 120 | 115 | 37 | | | | |
| 0.20 | 8 (810) | 1.47/0.78 | 3 | 42.66 | 24 | 22 | 285 | 1470 | | min 11.81 max 55.12 | | | | | | |
| | | | | 36.35 | 26 | 26 | 243 | | | | | | | | | |
| | | | | 31.36 | 30 | 30 | 210 | | | | | | | | | |
| | 4 (1700) | 1.02/0.55 | 3 | 42.66 | 48 | 46 | 136 | 1470 | min 9.84 max 55.12 | | | | | | | |
| | | | | 36.35 | 52 | 54 | 116 | | | | | | | | | |
| | | | | 31.36 | 60 | 63 | 100 | | | | | | | | | |
| | | | | 2 | 27.32 | 72 | 72 | 87 | | 1020 | 67 | 1470 | | | | |
| | | | | | | | | | | | | | 23.99 | 76 | 83 | 76 |
| | | | | | | | | | | | | | 21.18 | 90 | 93 | 67 |
| | | | | | | | | | | | | | 15.17 | 120 | 131 | 48 |
| | | | | | | | | | | | | | 12.92 | 150 | 153 | 41 |
| | | | | | | | | | | | | | 11.15 | 165 | 178 | 36 |
| 0.25 | 6 (1120) | 1.40/0.70 | 3 | 42.66 | 30 | 31 | 275 | 1470 | min 11.81 max 55.12 | | | | | | | |
| | | | | 31.36 | 38 | 42 | 202 | | | | | | | | | |
| | | | | 27.32 | 48 | 48 | 176 | | | | | | | | | |
| | | | | 23.99 | 52 | 54 | 155 | | | | | | | | | |
| | | | | 21.18 | 60 | 62 | 137 | | | | | | | | | |
| | | | 2 | 15.17 | 76 | 86 | 98 | 1020 | | 72 | 1470 | | | | | |
| | | | | | | | | | | | | 12.92 | 96 | 101 | 83 | |
| | | | | | | | | | | | | 11.15 | 120 | 117 | 72 | |

Refer to page 39 for all footnotes cited on page 38.

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Ø 4.53 in. (113 mm), with helical steel gearbox



| Power & Speed Combinations: 3 phase | | | | | | | | | | |
|-------------------------------------|-------------|-------------------------|-----------------|------------|--|---|---------------|---|------------------------|-----|
| Power HP | Poles (rpm) | FLA (amps) ¹ | No. Gear Stages | Gear Ratio | Nominal belt speed at Full Load 60 Hz fpm ² | Actual belt speed at Full Load 60 Hz fpm ² | Belt Pull lbs | Max. Radial Load T1 + T2 lbs ³ | RL in | |
| 0.33 | 2 (3430) | 1.12/0.57 | 3 | 42.66 | 90 | 94 | 108 | 1020 | min 9.84 max 55.12 | |
| | | | | 36.35 | 96 | 110 | 92 | | | |
| | | | | 31.36 | 120 | 127 | 79 | | | |
| | | | | 27.32 | 150 | 146 | 69 | | | |
| | | | | 23.99 | 165 | 167 | 61 | | | |
| | | | 2 | 21.18 | 192 | 189 | 53 | 770 | | |
| | | | | 15.17 | 240 | 263 | 38 | | | |
| | | | | 12.92 | 300 | 309 | 33 | | | |
| 0.40 | 4 (1700) | 1.66/0.87 | 3 | 42.66 | 48 | 46 | 272 | 1470 | min 11.81 max 55.12 | |
| | | | | 36.35 | 52 | 54 | 232 | | | |
| | | | | 31.36 | 60 | 63 | 200 | | | |
| | | | | 27.32 | 72 | 72 | 174 | | | |
| | | | | 23.99 | 76 | 83 | 153 | | | |
| | | | 2 | 21.18 | 90 | 93 | 135 | 1020 | | |
| | | | | 15.17 | 120 | 131 | 97 | | | |
| | | | | 12.92 | 150 | 153 | 82 | | | |
| 0.50 | 4 (1680) | 2.03/1.01 | 3 | 42.66 | 48 | 46 | 339 | 1470 | min 11.81 max 55.12 | |
| | | | | 36.35 | 52 | 54 | 289 | | | |
| | | | | 31.36 | 60 | 62 | 249 | | | |
| | | | | 27.32 | 72 | 72 | 217 | | | |
| | | | | 23.99 | 76 | 82 | 191 | | | |
| | | | 2 | 21.18 | 90 | 92 | 168 | 1020 | | |
| | | | | 15.17 | 120 | 129 | 121 | | | |
| | | | | 12.92 | 150 | 151 | 103 | | | |
| | 2 (3470) | 1.51/0.76 | | 3 | 21.18 | 192 | 191 | 82 | | 770 |
| | | | | 2 | 15.17 | 240 | 266 | 58 | | |
| | | | | | 12.92 | 300 | 313 | 50 | | |
| | | | | | 11.15 | 384 | 362 | 43 | | |
| | | | | 0.75 | 2 (3440) | 2.20/1.09 | 3 | 42.66 | | |
| 36.35 | 96 | 110 | 210 | | | | | | | |
| 31.36 | 120 | 128 | 181 | | | | | | | |
| 27.32 | 150 | 147 | 158 | | | | | | | |
| 23.99 | 165 | 167 | 138 | | | | | | | |
| 2 | 21.18 | 192 | 189 | | | | 122 | 770 | | |
| | 15.17 | 240 | 264 | | | | 88 | | | |
| | 12.92 | 300 | 310 | | | | 75 | | | |
| | | | | 11.15 | 384 | 359 | 64 | | | |

- 1 FLA = full load amps at 230volts and 460 volts, respectively.
- 2 Use "Nominal Speed" to specify pulley. "Actual belt speed" is presented (for unlagged pulley) to assist with process design calculations. See "Actual Speed vs Nominal Speed" section in Technical Precautions. Note that actual belt speed increases when lagging is used due to increased pulley diameter.
- 3 Pulley must not be subjected to radial load exceeding "Maximum Radial Load" defined above. See "Belt Tension" section in Technical Precautions.