



Three-phase asynchronous motor

Y-100L1-4

URL:<https://www.sxplc.com/three-phase-asynchronous-motor-y-100l1-4>

Product data sheet

| 型号 | 额定功率 | | 电流 (安培) | 转速 (转/分) | 效率 (%) | 功率因数 (Cos Φ) | 最大转矩 额定转矩 | 堵转转矩 额定转矩 | 堵转电流 额定电流 | | | | | | | |
|----------|--------------|------|------------|-------------|-----------|-----------------|--------------|--------------|--------------|---------------------------|------------------|------------|---------------------------|----------------------------|-------------------------------|---------------------------------|
| | Rated Output | | | | | | | | | Current (A) at 380V | Speed (r/min) | Eff (%) | Power Factor (CosΦ) | Max Torque Rated Torque | Locked Torque Rated Torque | Locked Current Rated Current |
| | KW | HP | | | | | | | | | | | | | | |
| Y80M1-2 | 0.75 | 1 | 1.8 | 2825 | 75 | 0.84 | 2.3 | 2.2 | 6.5 | | | | | | | |
| Y80M2-2 | 1.1 | 1.5 | 2.5 | 2825 | 77 | 0.86 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y90S-2 | 1.5 | 2 | 3.4 | 2840 | 78 | 0.85 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y90L-2 | 2.2 | 3 | 4.7 | 2840 | 80.5 | 0.86 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y100L-2 | 3 | 4 | 6.4 | 2880 | 82 | 0.87 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y112M-2 | 4 | 5.5 | 8.2 | 2890 | 85.5 | 0.87 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y132S1-2 | 5.5 | 7.5 | 11.1 | 2900 | 85.5 | 0.88 | 2.3 | 2.0 | 7.0 | | | | | | | |
| Y132S2-2 | 7.5 | 10 | 15.0 | 2900 | 86.2 | 0.88 | 2.3 | 2.0 | 7.0 | | | | | | | |
| Y160M1-2 | 11 | 15 | 21.8 | 2930 | 87.2 | 0.88 | 2.3 | 2.0 | 7.0 | | | | | | | |
| Y160M2-2 | 15 | 20 | 29.4 | 2930 | 88.2 | 0.88 | 2.3 | 2.0 | 7.0 | | | | | | | |
| Y160L-2 | 18.5 | 25 | 35.5 | 2930 | 89 | 0.89 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y180M-2 | 22 | 30 | 42.2 | 2940 | 89 | 0.89 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y200L1-2 | 30 | 40 | 56.9 | 2950 | 90 | 0.89 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y200L2-2 | 37 | 50 | 69.8 | 2950 | 90.5 | 0.89 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y225M-2 | 45 | 60 | 83.9 | 2970 | 91.5 | 0.89 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y250M-2 | 55 | 75 | 102.6 | 2970 | 91.5 | 0.89 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y280S-2 | 75 | 100 | 139.2 | 2970 | 92 | 0.89 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y280M-2 | 90 | 125 | 166.1 | 2970 | 92.5 | 0.89 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y315S-2 | 110 | 150 | 203.0 | 2980 | 92.5 | 0.89 | 2.2 | 1.8 | 6.8 | | | | | | | |
| Y315M-2 | 132 | 175 | 242.3 | 2980 | 93 | 0.89 | 2.2 | 1.8 | 6.8 | | | | | | | |
| Y315L1-2 | 160 | 220 | 292.0 | 2980 | 93.5 | 0.89 | 2.2 | 1.8 | 6.8 | | | | | | | |
| Y315L2-2 | 200 | 270 | 365.2 | 2980 | 93.5 | 0.89 | 2.2 | 1.8 | 6.8 | | | | | | | |
| Y355M1-2 | 220 | 300 | 398.7 | 2980 | 94.2 | 0.89 | 2.2 | 1.2 | 6.9 | | | | | | | |
| Y355M2-2 | 250 | 350 | 446.6 | 2980 | 94.5 | 0.90 | 2.2 | 1.2 | 7.0 | | | | | | | |
| Y355L1-2 | 280 | 375 | 499.1 | 2980 | 94.7 | 0.90 | 2.2 | 1.2 | 7.1 | | | | | | | |
| Y355L2-2 | 315 | 425 | 559.8 | 2980 | 95 | 0.90 | 2.2 | 1.2 | 7.1 | | | | | | | |
| Y80M1-4 | 0.55 | 0.75 | 1.5 | 1390 | 73 | 0.76 | 2.3 | 2.4 | 6.0 | | | | | | | |
| Y80M2-4 | 0.75 | 1 | 2.0 | 1390 | 74.5 | 0.76 | 2.3 | 2.3 | 6.0 | | | | | | | |
| Y90S-4 | 1.1 | 1.5 | 2.7 | 1400 | 78 | 0.78 | 2.3 | 2.3 | 6.5 | | | | | | | |
| Y90L-4 | 1.5 | 2 | 3.7 | 1400 | 79 | 0.79 | 2.3 | 2.3 | 6.5 | | | | | | | |
| Y100L1-4 | 2.2 | 3 | 5.0 | 1420 | 81 | 0.82 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y100L2-4 | 3 | 4 | 6.8 | 1420 | 82.5 | 0.81 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y112M-4 | 4 | 5.5 | 8.8 | 1440 | 84.5 | 0.82 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y132S-4 | 5.5 | 7.5 | 11.6 | 1440 | 85.5 | 0.84 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y132M-4 | 7.5 | 10 | 15.4 | 1440 | 87 | 0.85 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y160M-4 | 11 | 15 | 22.6 | 1460 | 88 | 0.84 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y160L-4 | 15 | 20 | 30.3 | 1460 | 88.5 | 0.85 | 2.3 | 2.2 | 7.0 | | | | | | | |
| Y180M-4 | 18.5 | 25 | 35.9 | 1470 | 91 | 0.86 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y180L-4 | 22 | 30 | 42.5 | 1470 | 91.5 | 0.86 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y200L-4 | 30 | 40 | 56.8 | 1470 | 92.2 | 0.87 | 2.2 | 2.0 | 7.0 | | | | | | | |
| Y225S-4 | 37 | 50 | 70.4 | 1480 | 91.8 | 0.87 | 2.2 | 1.9 | 7.0 | | | | | | | |
| Y225M-4 | 45 | 60 | 84.2 | 1480 | 92.3 | 0.88 | 2.2 | 1.9 | 7.0 | | | | | | | |

| 机座号 Frame NO. | 极数 Pole | 安装尺寸 Mounting Dimension | | | | | | | | | | | | | | | 外形尺寸 Overall Dimension | | | | | |
|------------------|------------|-------------------------|-----|-----|-----|-----|------|------|-----|-----|-----|-----|---|----|-----|----|------------------------|-----|-----|------|-----|------|
| | | A | B | C | D | E | F | G | H | M | N | P | R | S | T | K | AB | AC | AD | HD | HF | L |
| 63M | 2.4 | 100 | 80 | 40 | 11 | 23 | 4 | 8.5 | 63 | 115 | 95 | 140 | 0 | 10 | 3 | 7 | 135 | 130 | 70 | 180 | 130 | 230 |
| 71M | 2.4.6 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 130 | 110 | 160 | 0 | 10 | 3.5 | 7 | 150 | 145 | 80 | 195 | 145 | 255 |
| 80M | 2.4.6.8 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 165 | 130 | 200 | 0 | 12 | 3.5 | 10 | 165 | 175 | 145 | 220 | 185 | 295 |
| 90S | 2.4.6.8 | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 165 | 130 | 200 | 0 | 12 | 3.5 | 10 | 180 | 195 | 155 | 250 | 195 | 320 |
| 90L | 2.4.6.8 | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 165 | 130 | 200 | 0 | 12 | 3.5 | 10 | 180 | 195 | 155 | 250 | 195 | 345 |
| 100L | 2.4.6.8 | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 215 | 180 | 250 | 0 | 15 | 4 | 12 | 205 | 215 | 180 | 270 | 245 | 385 |
| 112M | 2.4.6.8 | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 215 | 180 | 250 | 0 | 15 | 4 | 12 | 230 | 240 | 190 | 300 | 265 | 400 |
| 132S | 2.4.6.8 | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 265 | 230 | 300 | 0 | 15 | 4 | 12 | 270 | 275 | 210 | 345 | 315 | 470 |
| 132M | 2.4.6.8 | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 265 | 230 | 300 | 0 | 15 | 4 | 12 | 270 | 275 | 210 | 345 | 315 | 510 |
| 160M | 2.4.6.8 | 254 | 210 | 108 | 42 | 110 | 12 | 37 | 160 | 300 | 250 | 350 | 0 | 19 | 5 | 15 | 320 | 330 | 255 | 420 | 385 | 615 |
| 160L | 2.4.6.8 | 254 | 254 | 108 | 42 | 110 | 12 | 37 | 160 | 300 | 250 | 350 | 0 | 19 | 5 | 15 | 320 | 330 | 255 | 420 | 385 | 670 |
| 180M | 2.4.6.8 | 279 | 241 | 121 | 48 | 110 | 14 | 42.5 | 180 | 300 | 250 | 350 | 0 | 19 | 5 | 15 | 355 | 380 | 280 | 455 | 430 | 700 |
| 180L | 2.4.6.8 | 279 | 279 | 121 | 48 | 110 | 14 | 42.5 | 180 | 300 | 250 | 350 | 0 | 19 | 5 | 15 | 355 | 380 | 280 | 455 | 430 | 740 |
| 200L | 2.4.6.8 | 318 | 305 | 133 | 55 | 110 | 16 | 49 | 200 | 350 | 300 | 400 | 0 | 19 | 5 | 19 | 395 | 420 | 305 | 505 | 480 | 770 |
| 225S | 4.8 | 356 | 286 | 149 | 60 | 140 | 18 | 53 | 225 | 400 | 350 | 450 | 0 | 19 | 5 | 19 | 435 | 470 | 335 | 560 | 535 | 815 |
| 225M | 2 | 356 | 311 | 149 | 55 | 110 | 16 | 49 | 225 | 400 | 350 | 450 | 0 | 19 | 5 | 19 | 435 | 470 | 335 | 560 | 535 | 820 |
| | 60 | | | | 140 | 18 | 53 | 845 | | | | | | | | | | | | | | |
| 250M | 2 | 406 | 349 | 168 | 60 | 140 | 18 | 53 | 250 | 500 | 450 | 550 | 0 | 19 | 5 | 24 | 490 | 510 | 370 | 615 | 595 | 910 |
| | 65 | | | | 140 | 18 | 58 | | | | | | | | | | | | | | | |
| 280S | 2 | 457 | 368 | 190 | 65 | 140 | 18 | 58 | 280 | 500 | 450 | 550 | 0 | 19 | 5 | 24 | 550 | 580 | 410 | 680 | 650 | 985 |
| | 75 | | | | 140 | 20 | 67.5 | | | | | | | | | | | | | | | |
| 280M | 2 | 457 | 419 | 190 | 65 | 140 | 18 | 58 | 280 | 500 | 450 | 550 | 0 | 19 | 5 | 24 | 550 | 580 | 410 | 680 | 650 | 1035 |
| | 75 | | | | 140 | 20 | 67.5 | | | | | | | | | | | | | | | |
| 315S | 2 | 508 | 406 | 216 | 65 | 140 | 18 | 58 | 315 | 600 | 550 | 660 | 0 | 24 | 6 | 28 | 635 | 645 | 530 | 845 | - | 1160 |
| | 80 | | | | 170 | 22 | 71 | 1270 | | | | | | | | | | | | | | |
| 315M | 2 | 508 | 457 | 216 | 65 | 140 | 18 | 58 | 315 | 600 | 550 | 660 | 0 | 24 | 6 | 28 | 635 | 645 | 530 | 845 | - | 1190 |
| | 80 | | | | 170 | 22 | 71 | 1300 | | | | | | | | | | | | | | |
| 315L | 2 | 508 | 508 | 216 | 65 | 140 | 18 | 58 | 315 | 600 | 550 | 660 | 0 | 24 | 6 | 28 | 635 | 645 | 530 | 845 | - | 1190 |
| | 80 | | | | 170 | 22 | 71 | 1300 | | | | | | | | | | | | | | |
| 355M | 2 | 610 | 560 | 254 | 75 | 140 | 20 | 67.5 | 355 | 740 | 680 | 800 | 0 | 24 | 6 | 28 | 730 | 710 | 655 | 1010 | - | 1500 |
| | 95 | | | | 170 | 25 | 86 | 1530 | | | | | | | | | | | | | | |
| 355L | 2 | 610 | 630 | 254 | 75 | 140 | 20 | 67.5 | 355 | 740 | 680 | 800 | 0 | 24 | 6 | 28 | 730 | 710 | 655 | 1010 | - | 1500 |
| | 95 | | | | 170 | 25 | 86 | 1530 | | | | | | | | | | | | | | |

