

Product Categories: **Y SERIES MOTOR**

Product Description:

| | |
|-----------------------|------------------------------|
| Frame NO.: 63~355 | Power: 0.55~430kW |
| Operation service: S1 | Rated Voltage: ±5% |
| Insulation class: B.F | Protection class: IP 5 4 |
| EFF: EF3 EF2 EF1 | Ambient temperature:-15C~40C |

Products Introduction:

Y Series motor is totally enclosed and fan cooling, three-phase squirrel cage induction motor. It is newly designed in conformity with the relevant rules of IEC and EN60034-1 standards.

Y series motors have outstanding performance, such as high efficiency, high starting torque, low noise, little vibration, reliable operation and easy maintenance etc.

Y series motors are widely used in many places, where do not exist combustible, explosive or corrosive gas, without any special requirements, such as machine tools, pumps, fans, transport machinery, agriculture machinery and food machines etc.

Technical Data-Y SEREES MOTOR

| 型号 Type | 功率 Power | | 电流 Current | 转速 Speed | 效率 Eff | 功率因素 Power Factor | 堵转电流/额定电 流 Starting current/Rated current | 堵转转矩/额定 转矩 Starting torque/Rated torque | 最大扭矩/额定 扭矩 Max torque/Rated tprque |
|------------------|----------|------|------------|----------|--------|-------------------|---|---|------------------------------------|
| | Hp | kW | (A) | (r/min) | (%) | (cos φ) | | | |
| 380V - 50HZ - 2P | | | | | | | | | |
| Y80M1-2 | 1 | 0.75 | 1.8 | 2800 | 75 | 0.84 | 6.5 | 2.2 | 2.3 |
| Y80M2-2 | 1.5 | 1.1 | 2.5 | 2800 | 77 | 0.86 | 7 | 2.2 | 2.3 |
| Y90S-2 | 2 | 1.5 | 3.4 | 2800 | 78 | 0.85 | 7 | 2.2 | 2.3 |
| Y90L-2 | 3 | 2.2 | 4.8 | 2840 | 80.5 | 0.86 | 7 | 2.2 | 2.3 |
| Y100L-2 | 4 | 3 | 6.4 | 2840 | 82 | 0.87 | 7 | 2.2 | 2.3 |
| Y112M-2 | 5.5 | 4 | 8.2 | 2890 | 85.5 | 0.87 | 7 | 2.2 | 2.3 |
| Y132S2-2 | 7.5 | 5.5 | 11.1 | 2900 | 85.5 | 0.88 | 7 | 2 | 2.3 |
| Y132S2-2 | 10 | 7.5 | 15 | 2900 | 86.2 | 0.88 | 7 | 2 | 2.3 |
| Y160M1-2 | 15 | 11 | 21.8 | 2930 | 86.2 | 0.88 | 7 | 2 | 2.3 |
| Y160M2-2 | 20 | 15 | 29.4 | 2930 | 88.2 | 0.88 | 7 | 2 | 2.3 |
| Y160L-2 | 25 | 18.5 | 35.5 | 2930 | 89 | 0.89 | 7 | 2 | 2.2 |
| Y180M-2 | 30 | 22 | 42.2 | 2940 | 89 | 0.89 | 7 | 2 | 2.2 |
| Y200L1-2 | 40 | 30 | 56.9 | 2950 | 90 | 0.89 | 7 | 2 | 2.2 |
| Y200L2-2 | 50 | 37 | 69.8 | 2950 | 90.5 | 0.89 | 7 | 2 | 2.2 |
| Y225M-2 | 45 | 60 | 83.9 | 2970 | 91.5 | 0.89 | 7 | 2 | 2.2 |
| Y250M-2 | 55 | 75 | 102.7 | 2970 | 91.4 | 0.89 | 7 | 2 | 2 |

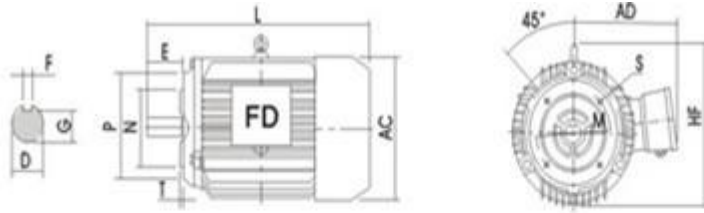
| | | | | | | | | | |
|------------------|------|------|-------|------|------|------|-----|-----|-----|
| Y280S-2 | 75 | 100 | 140.1 | 2970 | 91.4 | 0.89 | 7 | 2 | 2.2 |
| Y280M-2 | 90 | 125 | 167 | 2970 | 92 | 0.89 | 7 | 2 | 2.2 |
| Y315S-2 | 110 | 150 | 195.1 | 2980 | 94 | 0.91 | 7.1 | 1.8 | 2.2 |
| Y315M-2 | 132 | 180 | 231.6 | 2980 | 94.5 | 0.91 | 7.1 | 1.8 | 2.2 |
| Y315L1-2 | 160 | 220 | 279.6 | 2980 | 94.6 | 0.92 | 7.1 | 1.8 | 2.2 |
| Y315L2-2 | 200 | 270 | 347.7 | 2980 | 94.8 | 0.92 | 7.1 | 1.8 | 2.2 |
| Y355M-2 | 250 | 340 | 433 | 2980 | 95.3 | 0.92 | 7.1 | 1.6 | 2.2 |
| Y355L-2 | 315 | 430 | 544 | 2980 | 95.6 | 0.92 | 7.1 | 1.6 | 2.2 |
| 380V - 50HZ - 4P | | | | | | | | | |
| Y801-4 | 0.75 | 0.55 | 1.5 | 1400 | 73 | 0.76 | 6 | 2.3 | 2.3 |
| Y802-4 | 1 | 0.75 | 2 | 1400 | 74.5 | 0.76 | 6 | 2.3 | 2.3 |
| Y90S-4 | 1.5 | 1.1 | 2.8 | 1400 | 78 | 0.78 | 6.5 | 2.3 | 2.3 |
| Y90L-4 | 2 | 1.5 | 3.7 | 1400 | 79 | 0.79 | 6.5 | 2.3 | 2.3 |
| Y100L1-4 | 3 | 2.2 | 5 | 1420 | 81 | 0.82 | 7 | 2.2 | 2.3 |
| Y100L2-4 | 4 | 3 | 6.8 | 1420 | 82.5 | 0.81 | 7 | 2.2 | 2.3 |
| Y112M-4 | 5.5 | 4 | 8.8 | 1440 | 84.5 | 0.82 | 7 | 2.2 | 2.3 |
| Y132S-4 | 7.5 | 5.5 | 11.7 | 1440 | 85.5 | 0.84 | 7 | 2.2 | 2.3 |
| Y132SM-4 | 10 | 7.5 | 15.4 | 1440 | 87 | 0.85 | 7 | 2.2 | 2.3 |
| Y160M-4 | 15 | 11 | 22.6 | 1460 | 88 | 0.84 | 7 | 2.2 | 2.3 |
| Y160M-4 | 20 | 15 | 30.3 | 1460 | 88.5 | 0.85 | 7 | 2.2 | 2.3 |
| Y180M-4 | 25 | 18.5 | 35.9 | 1470 | 91 | 0.86 | 7 | 2 | 2.2 |
| Y180L-4 | 30 | 22 | 42.5 | 1470 | 91.5 | 0.86 | 7 | 2 | 2.2 |
| Y200L-4 | 40 | 30 | 56.8 | 1470 | 92.2 | 0.87 | 7 | 2 | 2.2 |
| Y225S-4 | 37 | 50 | 69.8 | 1460 | 92.2 | 0.87 | 7 | 1.9 | 2.2 |
| Y225M-4 | 45 | 60 | 84.2 | 1470 | 91.8 | 0.87 | 7 | 1.9 | 2.2 |
| Y250M-4 | 55 | 75 | 102.5 | 1470 | 92.3 | 0.88 | 7 | 2 | 2.2 |
| Y280S-4 | 75 | 100 | 139.7 | 1470 | 92.6 | 0.88 | 7 | 1.9 | 2.2 |
| Y280M-4 | 90 | 125 | 164.4 | 1480 | 92.7 | 0.88 | 7 | 1.9 | 2.2 |
| Y315S-4 | 110 | 150 | 200.2 | 1480 | 93.5 | 0.88 | 6.9 | 1.8 | 2.2 |
| Y315M-4 | 132 | 180 | 239.1 | 1480 | 94.5 | 0.88 | 6.9 | 2.1 | 2.2 |
| Y315L1-4 | 160 | 220 | 288 | 1480 | 94.8 | 0.88 | 6.9 | 2.1 | 2.2 |
| Y315L2-4 | 200 | 270 | 358.9 | 1480 | 94.9 | 0.89 | 6.9 | 2.1 | 2.2 |
| Y355M-4 | 250 | 340 | 443 | 1480 | 95 | 0.89 | 6.9 | 2.1 | 2.2 |
| Y355L-4 | 315 | 430 | 556 | 1490 | 95.3 | 0.9 | 6.9 | 2.1 | 2.2 |

| 380V - 50HZ - 6P | | | | | | | | | |
|------------------|-----|------|-------|-----|------|------|-----|-----|-----|
| Y90S-6 | 1 | 0.75 | 2.3 | 910 | 72.5 | 0.7 | 5.5 | 2 | 2.2 |
| Y90L-6 | 1.5 | 1.1 | 3.2 | 910 | 73.5 | 0.72 | 5.5 | 2 | 2.2 |
| Y100L-6 | 2 | 1.5 | 4 | 940 | 77.5 | 0.74 | 6 | 2 | 2.2 |
| Y112M-6 | 3 | 2.2 | 5.6 | 940 | 80.5 | 0.74 | 6 | 2 | 2.2 |
| Y132S-6 | 4 | 3 | 7.2 | 960 | 83 | 0.76 | 6.5 | 2 | 2.2 |
| Y132M1-6 | 5.5 | 4 | 9.4 | 960 | 84 | 0.77 | 6.5 | 2 | 2.2 |
| Y1322-6 | 7.5 | 5.5 | 12.6 | 960 | 85.3 | 0.78 | 6.5 | 2 | 2 |
| Y160M-6 | 10 | 7.5 | 17 | 970 | 86 | 0.78 | 6.5 | 2 | 2 |
| Y160L-6 | 15 | 11 | 24.6 | 970 | 87 | 0.78 | 6.5 | 2 | 2 |
| Y180L-6 | 20 | 15 | 31.4 | 970 | 89.5 | 0.81 | 6.5 | 1.8 | 2 |
| Y200L1-6 | 25 | 18.5 | 37.7 | 970 | 89.8 | 0.83 | 6.5 | 1.8 | 2 |
| Y200L2-6 | 30 | 22 | 44.6 | 970 | 90.2 | 0.83 | 6.5 | 1.8 | 2 |
| Y225M-6 | 30 | 40 | 59.5 | 970 | 90.2 | 0.85 | 6.5 | 1.7 | 2 |
| Y250M-6 | 37 | 50 | 72 | 970 | 90.8 | 0.86 | 6.5 | 1.8 | 2 |
| Y280S-6 | 45 | 60 | 85.4 | 970 | 92 | 0.87 | 6.5 | 1.8 | 2 |
| Y280M-6 | 55 | 75 | 104.9 | 970 | 91.6 | 0.87 | 7 | 1.8 | 2 |
| Y315S-6 | 75 | 100 | 140.2 | 980 | 93.5 | 0.86 | 7 | 2 | 2 |
| Y315M-6 | 90 | 125 | 167 | 980 | 93.8 | 0.86 | 7 | 2 | 2 |
| Y315L1-6 | 110 | 150 | 202.3 | 980 | 94 | 0.86 | 6.7 | 2 | 2 |
| Y315L2-6 | 132 | 180 | 242.3 | 980 | 94.2 | 0.87 | 6.7 | 1.9 | 2 |
| Y6Y355M1-6 | 160 | 220 | 292 | 990 | 94.5 | 0.87 | 6.7 | 1.9 | 2 |
| Y335M2-6 | 200 | 270 | 365 | 990 | 94.7 | 0.88 | 6.7 | 1.9 | 2 |
| Y355L-6 | 250 | 340 | 455 | 990 | 94.9 | 0.88 | 6.7 | 1.9 | 2 |
| 380V - 50HZ - 8P | | | | | | | | | |
| Y160M1-8 | 5.5 | 4 | 9.9 | 720 | 84 | 0.73 | 6 | 2 | 2 |
| Y160M2-8 | 7.5 | 5.5 | 13.3 | 720 | 85 | 0.74 | 6 | 2 | 2 |
| Y160L-8 | 10 | 7.5 | 17.3 | 720 | 86 | 0.75 | 6.5 | 2 | 2 |
| Y180L-8 | 15 | 11 | 24.8 | 730 | 87.5 | 0.77 | 6 | 1.7 | 2 |
| Y200L-8 | 20 | 15 | 34.1 | 730 | 88 | 0.76 | 6 | 1.8 | 2 |

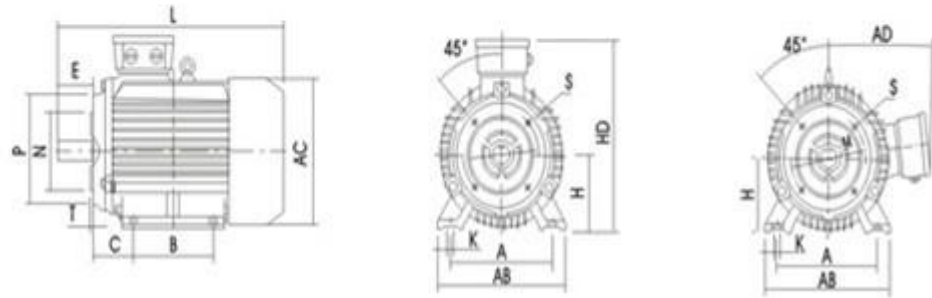
Y Y2 YS YD THREE PHASE MOTOR DIMENSIONS(mm)

| 机座号 Frame No. | 安装尺寸 Mounting dimension(mm) | | | | | | | | | 凸缘号 Flange No. | B35 B5 | | | | | 外型尺寸 Overall dimensions≤ | | | | | |
|------------------|-----------------------------|-----|-----|----|-----|----|------|-----|----|-------------------|--------|-----|-----|----|-----|--------------------------|-----|-----|-----|-----|--------|
| | A | B | C | D | E | F | G | H | K | | M | N | P | R* | S | T | AB | AC | AD | HD | L |
| 63 | 100 | 80 | 40 | 11 | 23 | 4 | 8.5 | 63 | 7 | FF115 | 115 | 95 | 140 | 10 | 3 | 135 | 130 | 70 | 180 | 230 | M4×12 |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | FF130 | 130 | 110 | 160 | 10 | 3.5 | 150 | 145 | 80 | 195 | 255 | M5×12 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | FF165 | 165 | 130 | 200 | 12 | 3.5 | 165 | 175 | 145 | 220 | 295 | M6×16 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | FF165 | 165 | 130 | 200 | 12 | 3.5 | 180 | 195 | 155 | 250 | 320 | M8×19 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | FF165 | 165 | 130 | 200 | 12 | 3.5 | 180 | 195 | 155 | 250 | 345 | M8×19 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | FF215 | 215 | 180 | 250 | 15 | 4 | 205 | 215 | 180 | 270 | 385 | M10×22 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | FF215 | 215 | 180 | 250 | 15 | 4 | 230 | 240 | 190 | 300 | 400 | M10×22 |
| 132S | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | FF265 | 265 | 230 | 300 | 15 | 4 | 270 | 275 | 210 | 345 | 470 | M12×28 |
| 132M | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | FF265 | 265 | 230 | 300 | 15 | 4 | 270 | 275 | 210 | 345 | 510 | M12×28 |
| 160M | 254 | 210 | 108 | 42 | 110 | 12 | 37 | 160 | 15 | FF300 | 300 | 250 | 350 | 19 | 5 | 320 | 330 | 255 | 420 | 615 | M16×36 |
| 160L | 254 | 254 | 108 | 42 | 110 | 12 | 37 | 160 | 15 | FF300 | 300 | 250 | 350 | 19 | 5 | 320 | 330 | 255 | 420 | 670 | M16×36 |
| 180M | 279 | 241 | 121 | 48 | 110 | 14 | 42.5 | 180 | 15 | FF300 | 300 | 250 | 350 | 19 | 5 | 355 | 380 | 280 | 455 | 700 | M16×36 |
| 180L | 279 | 279 | 121 | 48 | 110 | 14 | 42.5 | 180 | 15 | FF300 | 300 | 250 | 350 | 19 | 5 | 355 | 380 | 280 | 455 | 740 | M16×36 |
| 200L | 318 | 305 | 133 | 55 | 110 | 16 | 49 | 200 | 15 | FF350 | 350 | 300 | 400 | 19 | 5 | 395 | 420 | 305 | 505 | 770 | M20×42 |

B14



B34



| 机座号 Frame No. | 安装尺寸 Mounting dimension(mm) | | | | | | | | | 凸缘号 Flange No. | B34 B14 | | | | | 外型尺寸 Overall dimensions≤ | | | | | | |
|---------------------|--------------------------------|-----|----|----|----|---|------|-----|----|----------------------|---------|-----|---------|----|--------|--------------------------|-----|-----|-----|-----|-----|--------|
| | A | B | C | D | E | F | G | H | K | | M | N | P | R* | s | T | AB | AC | AD | HD | L | DH |
| 63 | 100 | 80 | 40 | 11 | 23 | 4 | 8.5 | 63 | 7 | FT75 | 75 | 60 | 90 | 0 | M 5 | 2.5 | 135 | 130 | 70 | 180 | 230 | M4×12 |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | FT85 | 85 | 70 | 10 5 | 0 | M | 2.5 | 150 | 145 | 80 | 195 | 255 | M5×12 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | FT100 | 100 | 80 | 12 0 | 0 | 6 | 3 | 165 | 175 | 145 | 220 | 295 | M6×16 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | FT115 | 115 | 95 | 14 0 | 0 | M | 3 | 180 | 195 | 155 | 250 | 320 | M8×19 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | FT115 | 115 | 95 | 14 0 | 0 | | 3 | 180 | 195 | 155 | 250 | 345 | M8×19 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | FT130 | 130 | 110 | 16 0 | 0 | 8 | 3.5 | 205 | 215 | 180 | 270 | 385 | M10×22 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | FT130 | 130 | 110 | 16 0 | 0 | | 3.5 | 230 | 240 | 190 | 300 | 400 | M10×22 |