

Product Categories: YC SERIES Motor

Product Description:

Frame NO: 71~132

Power: 0.18~5.5kW

Operation service: S1

Rated Voltage: $\pm 5\%$

Insulation class: B.F

Protection class:: IP44

EFF: EF3 EF2 EF1

Ambient temperature:-15C~40C

Products Introduction::

YC series single-phase capacitor-start asynchronous motors is totally enclosed fan-cooled type. The starting torque of motors is 2-3 times as rated torque. it have following features: high starting torque, smooth running, low temperature rise, low noise and greater overload performance.

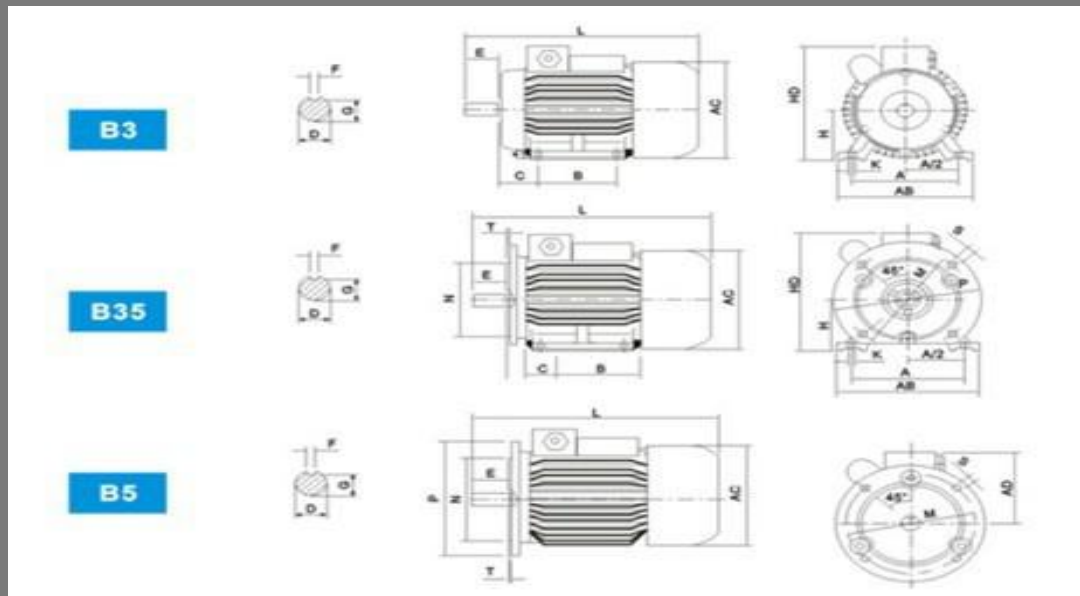
YC motors are widely application in all types of small machine tools, compression pumps, refrigerators family workshop and the equipment which need full-load start...etc

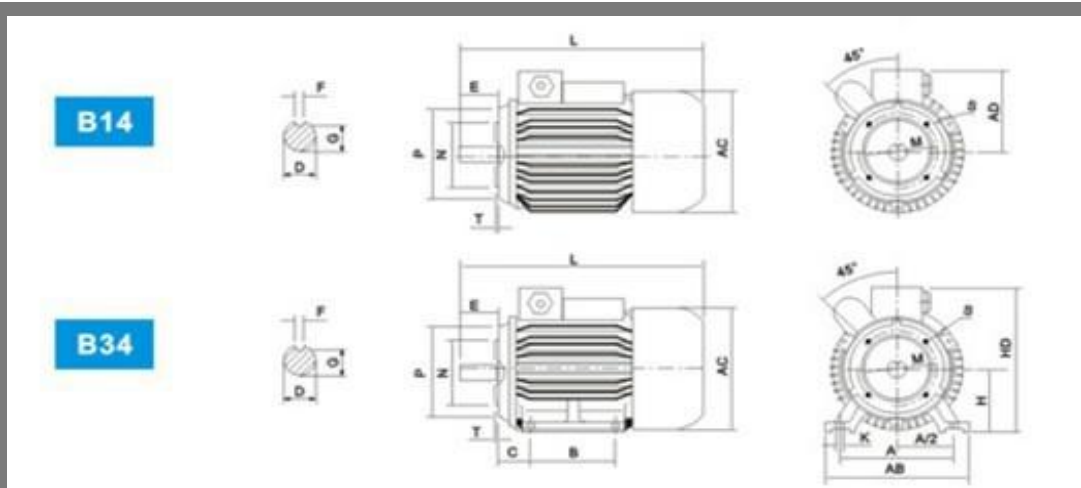
Technical Data (220V/50Hz) - YC motor

| 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 torque |
|--------------|----------|------|------------|----------|--------|--------------------|--|--|-----------------------------------|
| | Hp | kW | (A) | (r/min) | (%) | ($\cos \varphi$) | | | |
| 220V 50HZ 2P | | | | | | | | | |
| YC7112 | 1/4 | 0.18 | 1.89 | 2800 | 60 | 0.72 | 7 | 3 | 1.8 |
| YC7122 | 1/3 | 0.25 | 2.4 | 2800 | 64 | 0.74 | 7 | 3 | 1.8 |
| YC8012 | 1/2 | 0.37 | 3.4 | 2800 | 65 | 0.77 | 6.5 | 2.8 | 1.8 |
| YC8022 | 3/4 | 0.55 | 4.7 | 2800 | 68 | 0.79 | 6.5 | 2.8 | 1.8 |
| YC90S-2 | 1 | 0.75 | 6.1 | 2800 | 70 | 0.8 | 6.5 | 3 | 1.8 |
| YC90L-2 | 1.5 | 1.1 | 8.7 | 2800 | 72 | 0.8 | 7 | 2.5 | 1.8 |
| YC100L1-2 | 2 | 1.5 | 11.4 | 2800 | 74 | 0.81 | 7 | 2.5 | 1.8 |
| YC100L2-2 | 3 | 2.2 | 16.5 | 2800 | 75 | 0.81 | 7 | 2.2 | 1.8 |
| YC112M-2 | 4 | 3 | 21.88 | 2800 | 76 | 0.82 | 6.8 | 2.2 | 1.8 |
| YC112M2-2 | 5 | 3.7 | 26.64 | 2800 | 77 | 0.82 | 6.4 | 2.2 | 1.8 |
| 220V 50HZ 4P | | | | | | | | | |
| YC7114 | 1/6 | 0.12 | 1.88 | 1400 | 50 | 0.58 | 9 | 3 | 1.8 |
| YC7124 | 1/4 | 0.18 | 2.49 | 1400 | 53 | 0.62 | 7 | 2.8 | 1.8 |
| YC8014 | 1/3 | 0.25 | 3.11 | 1400 | 58 | 0.63 | 6 | 2.8 | 1.8 |

| | | | | | | | | | |
|-----------|-----|------|------|------|----|------|-----|-----|-----|
| YC8024 | 1/2 | 0.37 | 4.24 | 1400 | 62 | 0.64 | 6 | 2.5 | 1.8 |
| YC90S-4 | 3/4 | 0.55 | 5.5 | 1400 | 66 | 0.69 | 6 | 2.5 | 1.8 |
| YC90L-4 | 1 | 0.75 | 6.9 | 1400 | 68 | 0.73 | 6.5 | 2.5 | 1.8 |
| YC100L1-4 | 1.5 | 1.1 | 9.6 | 1400 | 71 | 0.74 | 6.5 | 2.5 | 1.8 |
| YC100L2-4 | 2 | 1.5 | 12.5 | 1400 | 73 | 0.75 | 6.5 | 2.5 | 1.8 |
| YC112M-4 | 3 | 2.2 | 17.8 | 1400 | 74 | 0.76 | 6.5 | 2.2 | 1.8 |
| YC132S-4 | 4 | 3 | 23.6 | 1400 | 75 | 0.77 | 6.5 | 2.1 | 1.8 |
| YC132S-4 | 5 | 3.7 | 28 | 1400 | 76 | 0.79 | 6.5 | 2.1 | 1.8 |
| YC132M-4 | 7.5 | 5.5 | 32.5 | 1400 | 81 | 0.95 | 6.5 | 2.1 | 1.8 |

YC YY SINGLE PHASE MOTOR DIMENSIONS(mm)





| 机座号 Frame No. | 安装尺寸 Mounting dimension(mm) | | | | | | | | | B34 B14 | | | | | | | |
|------------------|-----------------------------|-----|-----|-----|----|----|------|-----|-----|-------------------------|-----|-----|-------|----|----|-----|--|
| | A | B | C | D | E | F | G | H | K | 凸缘号 Flange No. | M | N | P | R* | s | T | |
| 63 | 100 | 80 | 40 | 11 | 23 | 4 | 8.5 | 63 | 7 | FT75 | 75 | 60 | 90 | 0 | M5 | 2.5 | |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | FT85 | 85 | 70 | 105 | 0 | M6 | 2.5 | |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | FT100 | 100 | 80 | 120 | 0 | | 3 | |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | FT115 | 115 | 95 | 140 | 0 | M8 | 3 | |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | FT115 | 115 | 95 | 140 | 0 | | 3 | |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | FT130 | 130 | 110 | 160 | 0 | | 3.5 | |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12 | FT130 | 130 | 110 | 160 | 0 | | 3.5 | |
| 132S | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | — | — | — | — | — | | — | |
| 132M | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | — | — | — | — | — | | — | |
| 机座号 Frame No. | B35 B5 | | | | | | | | | 外型尺寸 Overall dimensions | | | | | | | |
| | 凸缘号 Flange No. | M | N | P | R* | S | T | AB | AC | AD | HD | L | DH | | | | |
| 63 | FF115 | 115 | 95 | 140 | 0 | 10 | 3 | 135 | 130 | 70 | 180 | 230 | M4×12 | | | | |
| 71 | FF130 | 130 | 110 | 160 | 0 | 10 | 3.5 | 150 | 145 | 80 | 195 | 255 | M5×12 | | | | |
| 80 | FF165 | 165 | 130 | 200 | 0 | 12 | 3.5 | 165 | 175 | 145 | 220 | 295 | M6×16 | | | | |

| | | | | | | | | | | | | | | | | |
|------|-------|---------|-----|-----|---|----|-----|-----|-----|-----|-----|-----|--------|--|--|--|
| 90S | FF165 | 16 5 | 130 | 200 | 0 | 12 | 3.5 | 180 | 195 | 155 | 250 | 320 | M8×19 | | | |
| 90L | FF165 | 16 5 | 130 | 200 | 0 | 12 | 3.5 | 180 | 195 | 155 | 250 | 345 | M8×19 | | | |
| 100L | FF215 | 21 5 | 180 | 250 | 0 | 15 | 4 | 205 | 215 | 180 | 270 | 385 | M10×22 | | | |
| 112M | FF215 | 21 5 | 180 | 250 | 0 | 15 | 4 | 230 | 240 | 190 | 300 | 400 | M10×22 | | | |
| 132S | FF265 | 26 5 | 230 | 300 | 0 | 15 | 4 | 270 | 275 | 210 | 345 | 470 | M12×28 | | | |
| 132M | FF265 | 26 5 | 230 | 300 | 0 | 15 | 4 | 270 | 275 | 210 | 345 | 510 | M12×28 | | | |