



# YC SERIES CAPACITOR STARTING SINGLE PHASE ASYNCHRONOUS MOTOR

## APPLICATION

Air compressor, water pump, washing machine, refrigerator, small drilling machine and other machinery.

## CHARACTERISTIC

Large starting torque, strong overload capacity, low temperature rise, low noise, energy saving and power saving.

## PARAMETER

with starting capacitor  
 Frame: 71-132mm  
 Power: 0.12-7.5kw  
 Protection class: IP44  
 Insulation class: F  
 Cooling mode: IC411

## TECHNICAL DATA

| Type      | Power (KW) | Rated Current (A) | Speed r/min | Eff % | Power Factor cos Φ | Tst/Tn | Ist/In | Tmax/Tn | Noise (A) |
|-----------|------------|-------------------|-------------|-------|--------------------|--------|--------|---------|-----------|
| YC711-2   | 0.18       | 1.9               | 2800        | 60    | 0.72               | 3.0    | 1.8    | 12      | 70        |
| YC712-2   | 0.25       | 2.4               | 2800        | 64    | 0.74               | 3.0    | 1.8    | 15      | 70        |
| YC801-2   | 0.37       | 3.4               | 2800        | 65    | 0.77               | 2.8    | 1.8    | 21      | 75        |
| YC802-2   | 0.55       | 4.7               | 2800        | 68    | 0.79               | 2.8    | 1.8    | 29      | 75        |
| YC90S-2   | 0.75       | 6.1               | 2800        | 70    | 0.80               | 2.5    | 1.8    | 37      | 75        |
| YC90L-2   | 1.1        | 8.7               | 2800        | 72    | 0.80               | 2.5    | 1.8    | 60      | 78        |
| YC100L1-2 | 1.5        | 11.4              | 2800        | 74    | 0.81               | 2.5    | 1.8    | 80      | 83        |
| YC100L2-2 | 2.2        | 16.5              | 2800        | 75    | 0.81               | 2.2    | 1.8    | 120     | 83        |
| YC112M-2  | 3          | 21.9              | 2800        | 76    | 0.82               | 2.2    | 1.8    | 150     | 87        |
| YC112M2-2 | 4          | 24.8              | 2850        | 78    | 0.86               | 2.2    | 1.8    | 170     | 87        |
| YC132S-2  | 4          | 26.6              | 2850        | 77    | 0.82               | 2.2    | 1.8    | 175     | 82        |
| YC711-4   | 0.12       | 1.9               | 1400        | 50    | 0.58               | 3.0    | 1.8    | 9       | 65        |
| YC712-4   | 0.18       | 2.5               | 1400        | 53    | 0.62               | 2.8    | 1.8    | 12      | 65        |
| YC801-4   | 0.25       | 3.1               | 1400        | 58    | 0.63               | 2.8    | 1.8    | 15      | 65        |
| YC802-4   | 0.37       | 4.2               | 1400        | 62    | 0.64               | 2.5    | 1.8    | 21      | 70        |
| YC90S-4   | 0.55       | 5.5               | 1400        | 66    | 0.69               | 2.5    | 1.8    | 29      | 70        |
| YC90L-4   | 0.75       | 6.9               | 1400        | 68    | 0.73               | 2.5    | 1.8    | 37      | 70        |
| YC100L1-4 | 1.1        | 9.5               | 1400        | 71    | 0.74               | 2.5    | 1.8    | 60      | 73        |
| YC112M-4  | 1.5        | 12.5              | 1400        | 73    | 0.75               | 2.5    | 1.8    | 80      | 78        |
| YC100L2-4 | 2.2        | 17.8              | 1400        | 74    | 0.76               | 2.2    | 1.8    | 120     | 78        |
| YC132S-4  | 3          | 23.6              | 1400        | 75    | 0.77               | 2.2    | 1.8    | 150     | 82        |
| YC132L-4  | 3.7        | 28                | 1400        | 76    | 0.79               | 2.2    | 1.8    | 175     | 82        |
| YC132L-4  | 5.5        | 30.5              | 1400        | 82    | 0.84               | 2.2    | 2      | 198     | 93        |
| YC160M1-4 | 5.5        | 37.2              | 1400        | 75    | 0.77               | 2.1    | 2      | 310     | 96        |
| YC160M2-4 | 7.5        | 50.3              | 1400        | 78    | 0.76               | 2.1    | 2      | 350     | 87        |