

AC Motor Capacitor **CBB61** (S0,B级)

Features & Applications

- ◆ Low loss, high insulation resistance.
- ◆ Excellent self-healing, high stability.
- ◆ Able to withstand impulse current, strong over-load capacity.
- ◆ Using flame-retardant rectangle plastic shell, full-sealed structure and potted with epoxy resin.
- ◆ Applicable to electric fan, ventilator and electric water pump and facilitate and help for the startup and operating of the motor.



Certification

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|--|------------|---|
| | China | GB/T 3667.1-2016 AC motor capacitors 450V:CQC06002017993/500V:CQC05002014183 |
| | USA/Canada | UL810, CSA C22.2.No.190 capacitors "Protected", E256239 |
| | Germany | IEC 60252-1:2013 AC motor capacitors, R50408951 |

Technical Parameter

| | | | |
|---------------------|---------------------------------------|-----------------------|--|
| Rated Voltage | 450Vac | Range Of Capacitance | 0.5 μ F-50 μ F |
| Dissipation Factor | $\tan \delta \leq 0.002(1\text{KHz})$ | Insulation Resistance | $\geq 3000s(20^\circ\text{C}, 100\text{V}, 1\text{min})$ |
| Climatic Class Temp | 40/70/21 | Operating Frequency | 50/60Hz |
| Testing Voltage | T-T:1.2U _n /2S | Safety Class | S0 |
| Operation Class | B | | |

Common Specification

● Sizing table for CBB61 capacitor with cable

| C _n (μ F) | U _n (Vac) | W±1 (mm) | H±1 (mm) | T±1 (mm) | P±0.5 (mm) | Type of cable |
|-------------------------|-------------------------|-------------|-------------|-------------|---------------|---------------|
| 1.0 | 450 | 36.0 | 20.0 | 11.0 | 32.5 | 0.8 |
| 1.2 | 450 | 36.0 | 22.0 | 12.0 | 32.5 | |
| 1.4 | 450 | 36.0 | 22.0 | 12.0 | 32.5 | |
| 1.5 | 450 | 36.0 | 22.0 | 12.0 | 32.5 | |
| 1.6 | 450 | 36.0 | 23.0 | 13.0 | 32.5 | |
| 1.8 | 450 | 36.0 | 24.5 | 14.0 | 32.5 | |
| 2.0 | 450 | 36.0 | 26.0 | 14.0 | 32.5 | |
| 2.2 | 450 | 36.0 | 26.0 | 16.0 | 32.5 | |
| 2.5 | 450 | 36.0 | 27.0 | 17.0 | 32.5 | |
| 3.0 | 450 | 36.0 | 28.0 | 18.0 | 32.5 | |
| | | | | | | 1.0 |

● Sizing table for CBB61 capacitor with inserts

| C _n (μ F) | U _n (Vac) | W | H | T | C _n (μ F) | U _n (Vac) | W | H | T |
|-------------------------|-------------------------|------|------|------|-------------------------|-------------------------|------|------|------|
| 1.0 | 450 | 37.0 | 22.0 | 13.0 | 3.0 | 450 | 47.0 | 28.0 | 16.0 |
| 1.2 | 450 | 37.0 | 22.0 | 13.0 | 3.5 | 450 | 47.0 | 29.0 | 17.0 |
| 1.4 | 450 | 37.0 | 24.0 | 13.5 | 4.0 | 450 | 47.0 | 30.0 | 18.0 |
| 1.5 | 450 | 37.0 | 24.0 | 13.5 | 4.5 | 450 | 47.0 | 31.0 | 19.0 |
| 1.6 | 450 | 37.0 | 24.0 | 13.5 | 5.0 | 450 | 47.0 | 32.0 | 20.0 |
| 1.8 | 450 | 37.0 | 25.0 | 15.0 | 5.5 | 450 | 47.0 | 34.0 | 20.0 |
| 2.0 | 450 | 37.0 | 26.0 | 15.0 | 6.0 | 450 | 47.0 | 34.0 | 22.0 |
| 2.2 | 450 | 38.0 | 28.0 | 17.0 | 6.5 | 450 | 47.0 | 34.0 | 22.0 |
| 2.5 | 450 | 38.0 | 28.0 | 17.0 | 7.0 | 450 | 47.0 | 36.0 | 24.0 |
| 2.8 | 450 | 37.0 | 30.0 | 18.0 | 7.5 | 450 | 47.0 | 36.0 | 24.0 |
| 3.0 | 450 | 37.0 | 30.0 | 18.0 | 8.0 | 450 | 47.0 | 36.0 | 24.0 |
| 3.5 | 450 | 38.0 | 30.0 | 20.0 | 9.0 | 450 | 47.0 | 38.0 | 26.0 |
| 4.0 | 450 | 37.0 | 32.0 | 20.0 | 10.0 | 450 | 47.0 | 40.0 | 28.0 |
| 2.5 | 450 | 47.0 | 28.0 | 16.0 | | | | | |

REMARKS

1. The listed dimension on the above chart is our common specifications, we can produce as customer's requests.
2. The datas are subject to change without notice.
3. The certificate marks can be printed on the product as customer's requests.