

AC Motor Capacitor Safety Class **CBB61-A** (S3, Class B)

Features & Applications

- ◆ Low loss, high insulation resistance.
- ◆ Excellent self-healing, high stability.
- ◆ Using flame-retardant rectangle plastic shell, full-sealed structure and potted with epoxy resin.
- ◆ Explosion-proof structure with segment film, reliable safety performance.
- ◆ Applicable to electric fan, ventilator and electric water pump and facilitate and help for the startup and operating of the motor.



Certification

	China	GB/T 3667. 1-2016 AC motor capacitors, CQC17002178501
	USA/Canada	UL810, CSA C22.2.No.190 capacitors "Protected", E317866
	Germany	IEC 60252-1:2013 AC motor capacitors, R50404295

Technical Parameter

Rated Voltage	450Vac	Range Of Capacitance	0.5 μ F-20 μ F
Dissipation Factor	$\tan \delta \leq 0.002(1\text{kHz})$	Insulation Resistance	$R_c \geq 3000\text{M}\Omega \cdot \mu\text{F} (20^\circ\text{C}, 1\text{min}, 100\text{Vdc})$
Climatic Class Temp	40/85/21	Operating Frequency	50/60Hz
Testing Voltage	T-T: 1.2U _v /2S	Safety Class	S3
Operation Class	B		

Common Specification

● Sizing table for CBB61-A capacitor with tinned copper wire

C _N (μF)	U _N (Vac)	W±1 (mm)	H±1 (mm)	T±1 (mm)	P±0.5 (mm)	Type of cable
0.5	450	36.0	20.0	11.0	32.5	0.8
1.0	450	36.0	20.0	11.0	32.5	
1.2	450	36.0	22.0	12.0	32.5	
1.4	450	36.0	24.5	14.0	32.5	
1.5	450	36.0	24.5	14.0	32.5	
1.6	450	36.0	24.5	14.0	32.5	
1.8	450	36.0	26.0	16.0	32.5	
2.0	450	36.0	26.0	16.0	32.5	
2.2	450	36.0	27.0	17.0	32.5	
2.5	450	36.0	32.5	17.5	32.5	
2.8	450	36.0	32.5	17.5	32.5	
3.0	450	36.0	32.5	17.5	32.5	
3.5	450	36.0	34.0	20.0	32.5	

● Sizing table for CBB61-A capacitor with tinned copper wire

C _N (μF)	U _N (Vac)	W±1 (mm)	H±1 (mm)	T±1 (mm)	P±0.5 (mm)	Type of cable
4.0	450	36.0	34.0	22.0	32.5	1.0
4.5	450	36.0	36.0	24.0	32.5	
5.0	450	36.0	37.0	25.0	32.5	
5.5	450	36.0	38.0	26.0	32.5	
6.0	450	36.0	39.0	27.0	32.5	
6.3	450	36.0	40.0	28.0	32.5	
6.5	450	36.0	40.0	28.0	32.5	

● Sizing table for CBB61-A capacitor with cable

C _N (μF)	U _N (Vac)	W±1 (mm)	H±1 (mm)	T±1 (mm)	PA±2 (mm)	Type of terminal
1.0	450	37.0	22.0	13.0	25.0	UL1015-AWG18# single or double AMP 187#; single or double AMP 250#
1.2	450	37.0	24.0	13.5	25.0	
1.4	450	37.0	25.0	15.0	25.0	
1.5	450	37.0	25.0	15.0	25.0	
1.6	450	37.0	26.0	15.0	25.0	
1.8	450	37.0	28.0	17.0	25.0	
2.0	450	37.0	28.0	17.0	25.0	
2.2	450	37.0	28.0	18.0	25.0	
2.5	450	37.0	30.0	18.0	25.0	
2.8	450	37.0	30.0	20.0	25.0	
3.0	450	37.0	30.0	20.0	25.0	
3.5	450	37.0	33.0	21.0	25.0	
4.0	450	37.0	34.0	22.0	25.0	
2.5	450	47.0	28.0	16.0	35.0	
3.0	450	47.0	29.0	17.0	35.0	
3.5	450	47.0	30.0	18.0	35.0	
4.0	450	47.0	31.0	18.0	35.0	
4.5	450	47.0	34.0	20.0	35.0	
5.0	450	47.0	34.0	22.0	35.0	
5.5	450	47.0	34.0	24.0	35.0	
6.0	450	47.0	36.0	24.0	35.0	
6.5	450	47.0	37.0	25.0	35.0	
7.0	450	47.0	38.0	26.0	35.0	
7.5	450	47.0	38.0	26.0	35.0	
8.0	450	47.0	40.0	28.0	35.0	
8.5	450	47.0	40.0	30.0	35.0	
9.0	450	47.0	40.0	30.0	35.0	
9.5	450	47.0	42.0	30.0	35.0	
10.0	450	47.0	42.0	30.0	35.0	
10.0	450	53.0	46.5	33.0	40.0	
11.0	450	53.0	46.5	33.0	40.0	
12.0	450	53.0	46.5	33.0	40.0	
12.5	450	57.0	50.0	35.0	45.0	
13.0	450	57.0	50.0	35.0	45.0	
14.0	450	57.0	50.0	35.0	45.0	
15.0	450	57.0	50.0	35.0	45.0	
17.5	450	57.0	54.0	38.0	45.0	
20.0	450	57.0	55.0	45.0	45.0	

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.