

AC Motor Capacitor plastic casing CBB65 (S3,Class B)

Features & Applications

- ◆ Low loss, high insulation resistance.
- ◆ Self-healing and high stability.
- ◆ Small volume and high withstand voltage.
- ◆ Segment film structure safety class S3
- ◆ Applicable to startup and operating of the refrigerator compressor .



Certification

	China	GB/T 3667. 1-2016 AC motor capacitors 250V: CQC 15006136217 450V: CQC08002023815
	USA/Canada	UL810, CSA C22.2.No.190 capacitors "Protected" ,E317866
	Germany	IEC60252-1:2013 AC motor capacitors,40024267

Technical Parameter

Rated Voltage	250Vac/400Vac/450Vac	Range Of Capacitance	2 μ F-20 μ F
Dissipation Factor	$\tan \delta \leq 0.002(100\text{Hz})$	Insulation Resistance	$\geq 5000s(20^\circ\text{C}, 500\text{V}, 1\text{min})$
Climatic Class Temp	40/85/21	Operating Frequency	50/60Hz
Testing Voltage	T-T:2U _n /2s T-C: $\geq 2200\text{Vac}/2s$	Safety Class	S3
Operation Class	B		

Common Specification

- Sizing table for CBB65 capacitor in 450V with Plastic casing with bolt

C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	Type of cable
2.0	450	28.0	60.0	2.5	450	28.0	60.0	H05VV-F-2*0.75mm2 / H05V2V2-F-2*0.75mm
3.0	450	28.0	60.0	3.5	450	30.0	60.0	
4.0	450	30.0	60.0	4.5	450	30.0	60.0	
5.0	450	32.0	60.0	6.0	450	35.0	60.0	
8.0	450	35.0	60.0	10.0	450	41.0	60.0	
12.0	450	41.0	60.0	12.0	450	40.0	70.0	

C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	Type of cable
15.0	450	40.0	70.0	18.0	450	45.0	70.0	H05VV-F-2*0.75mm2 / H05V2V2-F-2*0.75mm
20.0	450	45.0	80.0	22.0	450	45.0	80.0	
25.0	450	48.0	80.0	30.0	450	50.0	80.0	

- Sizing table for CBB65 capacitor in 250V with Plastic casing with bolt

C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	Type of cable
5.0	250	28.0	60.0	6.0	250	28.0	60.0	UL 2733-2*18AWG/ UI 2733-2*20AWG
8.0	250	30.0	60.0	10.0	250	35.0	60.0	
12.0	250	35.0	60.0	15.0	250	41.0	60.0	
18.0	250	41.0	60.0	20.0	250	41.0	60.0	
22.0	250	40.0	70.0	25.0	250	40.0	70.0	
30.0	250	45.0	70.0	35.0	250	45.0	70.0	
40.0	250	45.0	80.0	45.0	250	48.0	80.0	
50.0	250	50.0	80.0					

- Sizing table for CBB65 capacitor in 450V with Plastic casing with clip in shape M

C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	Type of cable
2.0	450	28.0	60.0	2.5	450	28.0	60.0	H05VV-F-2*0.75mm2/ H05V2V2-F-2*0.75mm2
3.0	450	30.0	60.0	3.5	450	30.0	60.0	
4.0	450	32.0	60.0	4.5	450	32.0	60.0	
5.0	450	35.0	60.0	6.0	450	35.0	60.0	
8.0	450	41.0	60.0	10.0	450	41.0	60.0	
10.0	450	40.0	70.0	12.0	450	40.0	70.0	
15.0	450	45.0	70.0	18.0	450	45.0	70.0	
20.0	450	45.0	80.0	22.0	450	45.0	80.0	
25.0	450	48.0	80.0	30.0	450	50.0	80.0	

- Sizing table for CBB65 capacitor in 250V with Plastic casing with clip in shape M

C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	C _N (μ F)	U _n (Vac)	D \pm 1	H \pm 2	Type of cable
5.0	250	28.0	60.0	6.0	250	28.0	60.0	UI2733-2*18AWG/ UL 2733-2*20AWG
8.0	250	35.0	60.0	10.0	250	35.0	60.0	
12.0	250	35.0	60.0	15.0	250	41.0	60.0	
18.0	250	41.0	60.0	20.0	250	41.0	60.0	
22.0	250	40.0	70.0	25.0	250	40.0	70.0	
30.0	250	45.0	70.0	35.0	250	45.0	70.0	
40.0	250	45.0	80.0	45.0	250	48.0	80.0	
50.0	250	50.0	80.0					

*The listed dimension on the above chart is our common specifications, we can produce as customer's requests.