

# CSB

State-of-the-art low voltage three-phase power capacitors



## Description

The application of new technologies and the use of printed circuit boards to manufacture prismatic capacitors have allowed **CIRCUTOR** to reinvent the classic **CS** capacitor, manufactured for over 35 years.

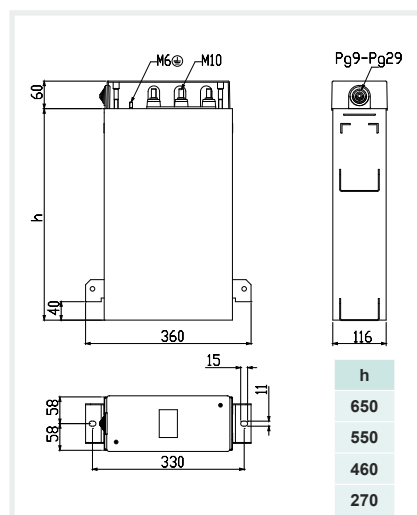
The spirit of innovation and proprietary technology used during the design of the new **CSB** capacitor have increased the lifespan of traditional prismatic capacitors by over 60%.

This new series has improved all aspects of the previous models, offering our customers a longer-lasting, safer and more profitable capacitor.

## Application

Its application is based on the compensation in installations with fixed and variable loads (capacitor banks).

## Dimensions



## Features

Features	
Overload	1,3 times the rated current
Overvoltage	10%, 8 over 24 hours 15%, up to 15 minutes over 24 hours 20%, up to 5 minutes over 24 hours 30%, up to 1 minute over 24 hours
Insulation level	3 / 15 kV
Power ratings	5 kvar to 120 kvar
Voltage	230 V to 1100 V
Power tolerance	-5 ... +15%
Discharge resistance	75 V/3 min
Frequency	50 ... 60 Hz
Losses	Dielectric < 0,2 W / kvar Total < 0,5 W / kvar
Protections	Dielectric regeneration Internal fuse Over-pressure system Vermiculite
Construction conditions	
Enclosure	Treated and painted steel, colour RAL 3005
Terminals	Power M10 Earth M6
Torque value	15 Nm
Protection degree	IP 42 con tapa cubre bornes
Environmental conditions	
Class D temperature	Daily average 45 °C Annual average 35 °C Maximum 55 °C Minimum -40 °C
Relative humidity	80% (without condensation)
Maximum altitude	2000 m
Assembly conditions	
Type of assembly	Vertical / Horizontal
Ventilation	Natural or forced, depending on the design of the cabinet
Distance between capacitors	Minimum: 4 cm
Standards	
CEI 60831-1, UNE - EN 60831-1	

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## References

kvar		Weight (kg)	Dim. (mm) width x height x depth	Type	Code
50 Hz	60 Hz				
10	12,5	3,3	360 x 330 x 120	CSB-23/10	R2321C
12,5	15	3,3	360 x 330 x 120	CSB-23/12,5	R2321D
15	17,5	3,3	360 x 330 x 120	CSB-23/15	R2321E
20	25	4,2	360 x 330 x 120	CSB-23/20	R2321F
25	30	5,0	360 x 330 x 120	CSB-23/25	R2321G
30	35	5,0	360 x 330 x 120	CSB-23/30	R2321H
40	50	7,3	360 x 520 x 120	CSB-23/40	R2321J
50	60	8,2	360 x 520 x 120	CSB-23/50	R2321K

kvar		Weight (kg)	Dim. (mm) width x height x depth	Type	Code
50 Hz	60 Hz				
15	17,5	3,3	360 x 330 x 120	CSB-40/15	R2323E
20	25	3,3	360 x 330 x 120	CSB-40/20	R2323F
25	30	3,3	360 x 330 x 120	CSB-40/25	R2323G
30	35	4,2	360 x 330 x 120	CSB-40/30	R2323H
40	50	5,0	360 x 330 x 120	CSB-40/40	R2323J
50	60	5,0	360 x 330 x 120	CSB-40/50	R2323K
60	70	6,6	360 x 520 x 120	CSB-40/60	R2323L
80	95	8,2	360 x 520 x 120	CSB-40/80	R2323Q
100	120	9,0	360 x 520 x 120	CSB-40/100	R2323R

kvar		Weight (kg)	Dim. (mm) width x height x depth	Type	Code
50 Hz	60 Hz				
15	17,5	2,6	360 x 330 x 120	CSB-44/15	R2324E
20	25	3,3	360 x 330 x 120	CSB-44/20	R2324F
25	30	3,3	360 x 330 x 120	CSB-44/25	R2324G
30	35	3,5	360 x 330 x 120	CSB-44/30	R2324H
40	50	4,2	360 x 330 x 120	CSB-44/40	R2324J
50	60	5,0	360 x 330 x 120	CSB-44/50	R2324K
60	70	5,0	360 x 330 x 120	CSB-44/60	R2324L
80	95	7,3	360 x 520 x 120	CSB-44/80	R2324Q
100	120	8,2	360 x 520 x 120	CSB-44/100	R2324R

kvar		Weight (kg)	Dim. (mm) width x height x depth	Type	Code
50 Hz	60 Hz				
15	17,5	3,3	360 x 330 x 120	CSB-46/15	R2325E
20	25	3,3	360 x 330 x 120	CSB-46/20	R2325F
25	30	4,2	360 x 330 x 120	CSB-46/25	R2325G
30	35	4,2	360 x 330 x 120	CSB-46/30	R2325H
40	50	5,0	360 x 330 x 120	CSB-46/40	R2325J
50	60	6,6	360 x 520 x 120	CSB-46/50	R2325K
60	70	7,3	360 x 520 x 120	CSB-46/60	R2325L
80	95	9,0	360 x 520 x 120	CSB-46/80	R2325Q
100	120	10,9	360 x 610 x 120	CSB-46/100	R2325R

kvar		Weight (kg)	Dim. (mm) width x height x depth	Type	Code
50 Hz	60 Hz				
8	10	2,8	360 x 330 x 120	CSB-48/10	R277AC
12,5	15	3,5	360 x 330 x 120	CSB-48/15	R277AE
16,7	20	3,5	360 x 330 x 120	CSB-48/20	R277AF
20,8	25	4,2	360 x 330 x 120	CSB-48/25	R277AG
25	30	4,2	360 x 330 x 120	CSB-48/30	R277AH
33,3	40	5,0	360 x 330 x 120	CSB-48/40	R277AJ
41,7	50	6,8	360 x 520 x 120	CSB-48/50	R277AK
50	60	7,5	360 x 520 x 120	CSB-48/60	R277AL
66,7	80	9,0	360 x 520 x 120	CSB-48/80	R277AQ
83,8	100	10,9	360 x 610 x 120	CSB-48/100	R277AR

kvar		Weight (kg)	Dim. (mm) width x height x depth	Type	Code
50 Hz	60 Hz				
9,11	10,93	2,6	360 x 330 x 120	CSB-52/10	R2326C
13,67	16,4	3,3	360 x 330 x 120	CSB-52/15	R2326E
18,22	21,87	3,3	360 x 330 x 120	CSB-52/20	R2326F
22,78	27,33	4,2	360 x 330 x 120	CSB-52/25	R2326G
27,33	32,8	4,2	360 x 330 x 120	CSB-52/30	R2326H
36,45	43,74	5,0	360 x 330 x 120	CSB-52/40	R2326J
45,56	54,67	6,6	360 x 520 x 120	CSB-52/50	R2326K
54,67	65,6	7,3	360 x 520 x 120	CSB-52/60	R2326L
63,78	76,54	8,2	360 x 520 x 120	CSB-52/70	R2326M

kvar		Weight (kg)	Dim. (mm) width x height x depth	Type	Code
50 Hz	60 Hz				
10	12,5	2,6	360 x 330 x 120	CSB-69/10	R232BC
15	17,5	3,3	360 x 330 x 120	CSB-69/15	R232BE
20	25	3,3	360 x 330 x 120	CSB-69/20	R232BF
25	30	3,3	360 x 330 x 120	CSB-69/25	R232BG
30	35	4,2	360 x 330 x 120	CSB-69/30	R232BH
40	50	5,0	360 x 330 x 120	CSB-69/40	R232BJ
50	60	5,0	360 x 330 x 120	CSB-69/50	R232BK
60	70	6,6	360 x 520 x 120	CSB-69/60	R232BL
80	95	8,2	360 x 520 x 120	CSB-69/80	R232BQ
100	-	9,0	360 x 520 x 120	CSB-69/100	R232BR

kvar		Weight (kg)	Dim. (mm) width x height x depth	Type	Code
50 Hz	60 Hz				
10	12	3,5	360x330x120	CSB-110/10	R2327C
20	24	5,0	360x330x120	CSB-110/20	R2327F
30	36	5,0	360x330x120	CSB-110/30	R2327H
40	48	7,5	360x480x120	CSB-110/40	R2327J
50	60	9,0	360x520x120	CSB-110/50	R2327K
60	72	9,0	360x520x120	CSB-110/60	R2327L
70	84	10,9	360x610x120	CSB-110/70	R2327M