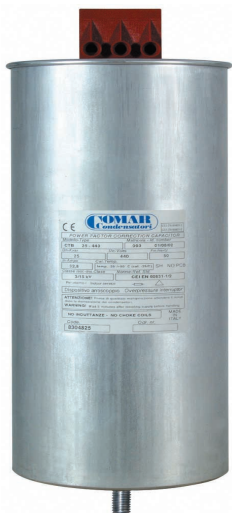


SERIE CTB

CONDENSATORI TRIFASE CILINDRICI PER FILTRAGGIO DI ARMONICHE E RIFASAMENTO B.T.

Disegnati per consentire un agevole montaggio, sono la soluzione ideale per il filtraggio di convertitori di piccola potenza ed il rifasamento B.T. assicurando il minimo ingombro. Possono essere assemblati in batterie, per l'impiego in impianti automatici di rifasamento o filtraggio di armoniche nei gruppi di continuità. Questa serie è dotata di dispositivo di antisceppio ed è omologata dagli **Underwriters Laboratories** (file UL : E 106844) solo diametro ≤ 85 mm



100 ÷ 120 mm diameter

CTB SERIES

THREE PHASE HARMONICS FILTER AND LOW VOLTAGE PFC CAPACITORS - CYLINDRICAL SHAPE

These capacitors have been specially designed for easy mounting. They offer an ideal solution to filters for low power converters and low voltage PFC, ensuring the minimum size. They may be parallel connected in banks for several applications as power factor correction equipments and harmonics filters in UPS. This series is provided with safety device and is **U.L. recognized** (File UL : E 106844) (≤ 85 mm diameter only)

Dielectric Type	Metallized Polypropylene MKP (P.C.B. free)
Capacitance Tolerance	- 5% / +10%
Mains Supply	Three-Phase
Rated Frequency	50 Hz - 60 Hz
Max. Allowable Voltage	1.10 Un (max 8h on 24h)
Voltage Rate of Rise	< 40 V / μ sec
Climatic Category	- 25°C / C
Max. Value of Ambient Temperature	+50°C
Day Average of Ambient Temperature	+40°C
Year Average of Ambient Temperature	+30°C
Degree of Protection (CEI EN 60529)	70 ÷ 85 with cover IP40 100 ÷ 120 IP20
Standards Reference	IEC 831-1 - CEI EN 60831-1 IEC 831-2 - CEI EN 60831-2 UL810
Test Voltage between Terminals	2.15 Un/10secs
Test Voltage between Terminals and Ground	3000 Vac/60secs
Dielectric Losses	Ω 0.2 W / kvar
Total Losses of the Capacitors	Ω 0.4 W / kvar
Discharge Resistor:	included (50V within 3')
Mounting	vertical only
Type of service	continuous - indoor
Expected Life	80,000 hours



70 ÷ 85 mm diameter
UL recognized file:E106844

CTB Series

Max harmonics distortion allowed on the capacitors (max THD I%)= 10 %

50 Hz			60 Hz			Capacitance	Dimensions		Connections	Fixing
Power	Voltage	Current	Power	Voltage	Current		D	H		
kvar	Volt	A	Kvar	Volt	A	μ F				
1.5	230	3.8	1.6	220	4.3	3 x 30 μ F	75	175	Faston 6.3	M 12 Stud
2.5	230	6.3	2.7	220	7.0	3 x 50 μ F	70	200	Faston 6.3	
5.0	230	12.5	5.5	220	14.3	3 x 100 μ F	85	285	Screw M 8	
2.5	415	3.5	2.5	380	3.8	3 x 15.5 μ F	70	175	Faston 6.3	
5	415	7.0	5	380	7.6	3 x 31 μ F	70	200	Faston 6.3	
7.5	415	10.4	7.5	380	11.5	3 x 46.6 μ F	70	290	Faston 6.3	
10	415	14.0	10	380	15.0	3 x 62 μ F	85	295	Screw M 8	
12.5	415	17.4	12.5	380	19.0	3 x 77 μ F	85	295	Screw M 8	
20	415	27.8	20	380	30.5	3 x 123 μ F	120	285	Plug	
25	415	34.7	25	380	38.2	3 x 154 μ F	120	285	Plug	
12.5	440	16.4	15	440	19.6	3 x 68.5 μ F	100	285	Plug	
16.7	440	21.9	20	440	26.0	3 x 91.5 μ F	100	285	Plug	
20	440	26.2	24	440	31.6	3 x 110 μ F	120	285	Plug	
25	440	32.8	30	440	39.3	3 x 137 μ F	120	285	Plug	
12.5	525	13.7	12.5	480	15.0	3 x 48 μ F	100	285	Plug	
16.7	525	18.3	16.8	480	20.0	3 x 64.5 μ F	100	285	Plug	
20	525	22.0	20	480	24.1	3 x 77 μ F	120	285	Plug	
25	525	27.4	25	480	30.0	3 x 96 μ F	120	285	Plug	

WARNING:

To realize automatic P.F.C. equipment, it must be foreseen the use of an adequate system to limit the switching inrush current.

CTB capacitors comply with European Recommendations for low voltage concerning the minimum safety requirements 73/23 EEC (93/68 ECC)