



The C and CB Type capacitor modules are designed for local correction of individual loads, such as single motors, starters or control gear, where Power Factor Correction is more appropriately located at the source. The CB Series Incorporates an integral Circuit Breaker for independent isolation and overload protection.

- Highly reliable, low loss capacitors with self-healing properties
- Safety protection system incorporated in each capacitor element
- Easily extendible and maintainable
- Optional circuit breaker fitted (CB Type)
- Robust steel enclosure incorporates a large terminal chamber to simplify installation
- Strong final connection terminals
- IP54 Option available



One of our CB Series incorporating an integral Circuit Breaker

Construction

The capacitor unit is constructed from the required number of individual capacitor elements. These elements are manufactured from impregnated metallized polypropylene and have a self-healing capability. Each element incorporates a fail-safe protection device and discharge resistors.

Permissible Overloads

For our standard 400 / 415 Volt capacitor products.

Voltage:	440V	permanently
	484V	8 hours per day
	506V	30 minutes per day
	528V	5 minutes per day
	572V	1 minute per day
Current:	2 x In continuously @400V	

Other products available upon request:

Permissible Temperature Range

Ambient -40 to +60°C

Losses

Dielectric loss 0.2 Watts per kVAr

Total Capacitor losses 0.5 Watts per kVAr

Discharge Devices Fitted

Capacitor terminal voltage reduced to 50 Volts within 1 minute (exceeding BS EN 60831)

Paint Specification

RAL 7032 (Eurogrey) as standard.

Alternative specifications supplied upon request.

Rating

Rated at 415 Volts 3 phase 50 Hertz. Up to 135 kVAr

PFC Engineering can provide these capacitors to suit the customers required dimensions and ratings.

Standards

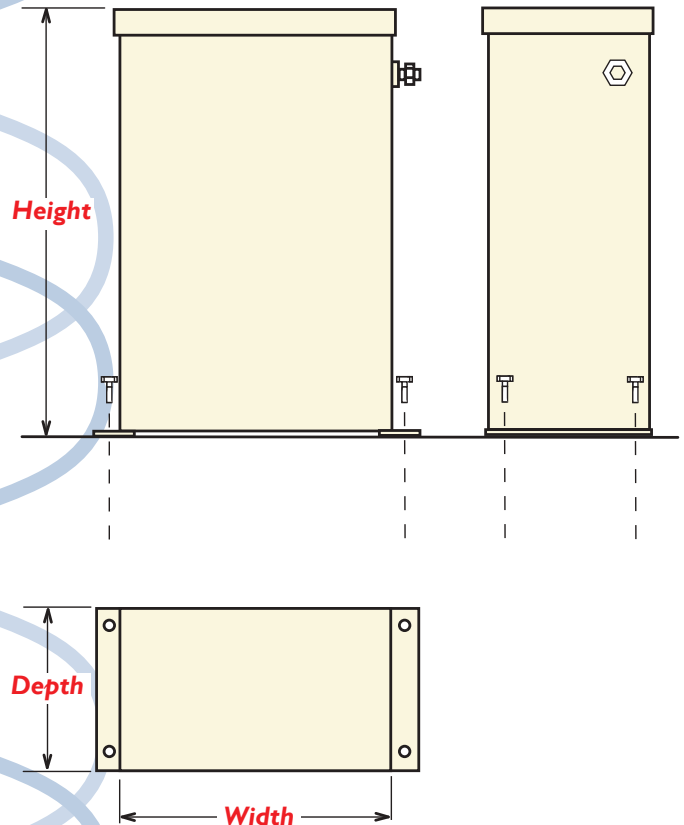
PFC equipment manufactured to:

VDE 0560 part 41,	BS EN 60831-1,
BS EN 61921,	BS EN 60831-2.

OEM C Range

This range is specifically designed for the original equipment manufacturer who wishes to enclose the capacitor units within a switchgear or controlgear cubicle. These products incorporate substantial terminals for ease of connection.

The extremely low losses associated with these capacitors minimise heat problems and allow the units to be contained within enclosed cubicles which is of special interest for applications in dusty atmospheres.



kVAr Rating	Height	Width	Depth
0.16 to 9.7	220	190	110
10.8 to 27	380	220	110
29.7 to 54*	405	295	155
56.7 to 108**	430	420	155

All dimensions in millimetres

* unit can be extended to 81 kVAr. Special circumstances apply.

** unit can be extended to 135 kVAr. Special circumstances apply.

Our policy is one of continuous improvement and we reserve the right to alter any details of design from that shown in this leaflet without prior notice.