

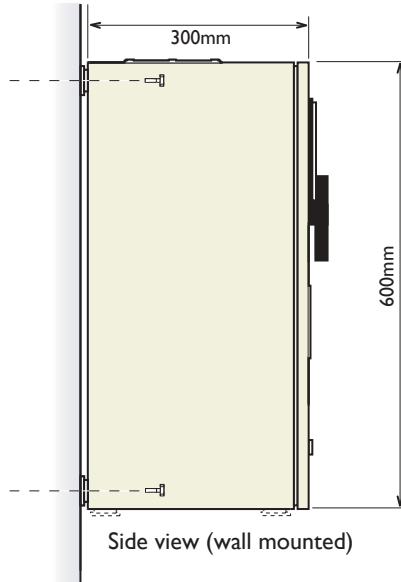
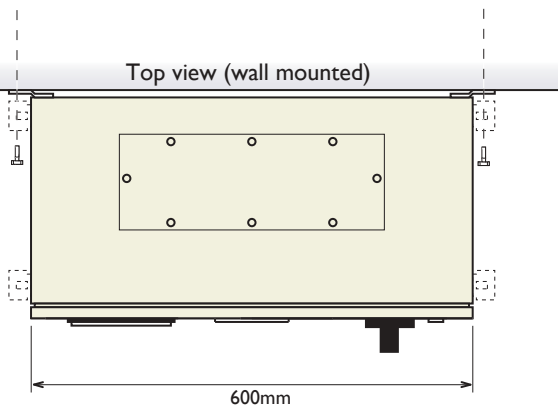


- Highly reliable, low loss capacitors with self-healing properties
- Safety protection system incorporated in each capacitor element
- Soft Switching contactors for minimal system disturbance
- Available with standard or slimline enclosures for wall or floor mounting and with top or bottom cable entry

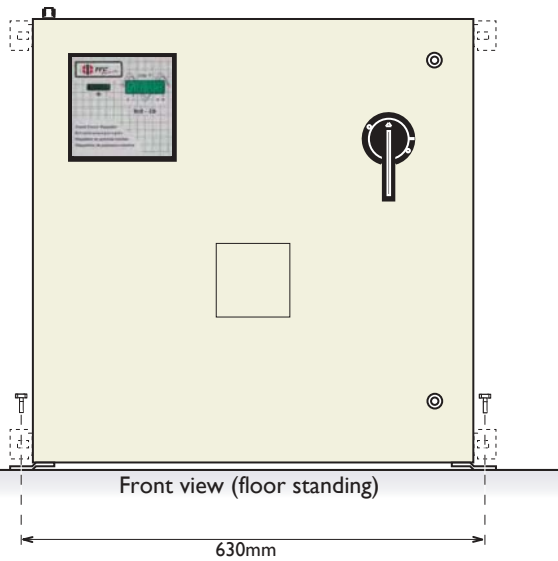
- The Type T enclosure provides a smart compact unit with ample room for connection and maintenance
- A suitably rated door interlocking main isolator, switch-fuse or circuit breaker can be incorporated
- The units are available with multi stage switching with on / off / auto switches and indicator lamps if required
- Supplied completely assembled and designed to enable simple straight forward installation



Top view (wall mounted)



Side view (wall mounted)



Front view (floor standing)

Cabinet Type	Height	Width	Depth
Slimline	600	600	200
Standard	600	600	300

Construction

The capacitor and control gear are housed within a robust steel enclosure which is suitable for either wall or floor mounting as well as vertical stacking.

Control Gear

The equipment incorporates a special soft switching contactor arrangement to minimise system disturbance which is caused by capacitor switching. For example, a 50kVAr automatic step is controlled by two contactors switching in cascade. These contactors incorporate a pre-connection resistor system which reduces the effect of current inrush, thus reducing system disturbance and increasing product life. 100 Amp circuit fuses are installed to protect each 50kVAr capacitor step and its associated control gear. On / off / auto switching can be included if required.

Capacitors

The capacitor unit comprises the requisite 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.

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

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

Standards

PFC equipment manufactured to:
VDE 0560 part 41, BS EN 60831-1,
BS EN 61921, BS EN 60831-2.

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.