

T TYPE AUTOMATIC CAPACITOR

Up to 75kVAR

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.

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.



The Type T enclosure provides a smart compact unit with ample room for connection and maintenance.



Available with standard or slimline enclosures for wall or floor mounting with top or bottom cable entry.

Dimensions

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

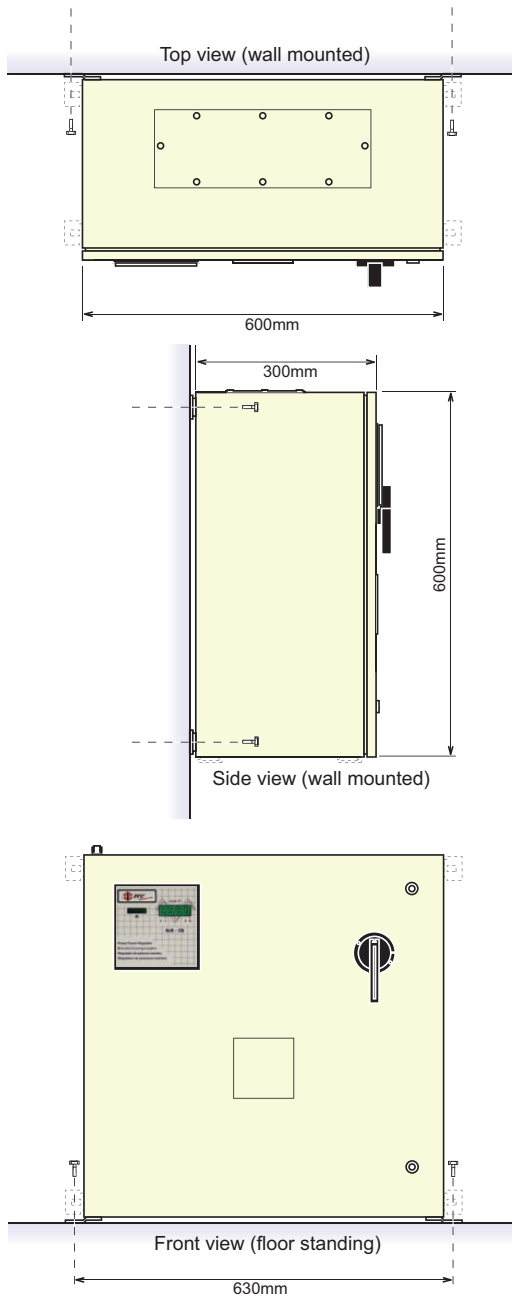
Capacitors

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.

The Energy
Solution
Specialists.

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Permissible Overloads

Rated voltage [V] 50 Hz	300	400	440	480	525	615
Over-voltage [V]						
8 hours daily	330	440	484	528	578	677
30 min. daily	345	460	506	552	604	707
5 min. daily	360	480	528	576	630	738
1 min. daily	390	520	572	624	683	800

Permissible Temperature Range

Ambient -40 to $+60^{\circ}\text{C}$.

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 EN 60831).

Paint Specification

RAL 7035 as standard.

Standards

PFC equipment manufactured to:

EN 61921

EN 60831-1

EN 60831-2

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