



D.T.P.F. AUTOMATIC DETUNED POWER FACTOR CORRECTION CAPACITORS

The D.T.P.F range of Detuned automatic power factor correction capacitor banks are specifically designed to operate on a low voltage system containing harmonic generating loads, the capacitor elements are rated for 525V operation to ensure exceptional reliability and long trouble free operational life.

Ratings are available up to 1200kVar and utilise a number of switching sequences to effectively correct the supply. With the emphasis placed on flexibility, our standard dimensions can be modified to suit individual site requirements.

Power Efficient Systems Ltd manufacture equipments to recognised international standards, our independence allows assemblies to be furnished with quality proven components procured from quality assured sources while our collaboration with Vishay one of the worlds larges and quality conscious manufacturers of capacitors and Siemens one of the worlds most respected manufacturers of switchgear allows us to manufacture cost effective energy saving products to a high quality standard ensuring unrivalled performance and reliability

The benefits of the D.T.P.F. range of equipments:

- High quality 525V capacitors with exceptional overload capability to ensure reliability & long life
- Control circuit transformer (no neutral connection required)
- Over-temperature protection
- Force ventilated
- Flexibility in manufacture, size and rating
- Quality components used throughout to ensure proven reliability
- Manufactured to recognised international standards
- Power factor controllers with power factor display & automatic set up
- Front access via a hinged 3 point key lockable door
- Fully extendable
- Telephone or on site assistance available from experienced field engineers.

Standards & Specification

Supply:	415V 3 phase 50Hz (other voltages available on request)
Installation:	3 wire (no neutral required)
Standards:	BSEN60831 (IEC831 & IEC70/70), BSEN60439, BSEN60204
IP Rating:	IP42 min (other IP rating available on request.
Operating temperature:	-25oC/group D (others available on request)
Losses:	Capacitors 0.2 watts / kVar Inductors 2.6 watts / kVar
Inductors:	3 phase low loss iron cored inductors to BSEN60289 (IEC289)
Construction:	14g mild steel modular frame & panel enclosure
Finish:	RAL7035 textured light grey (others available on request)
Discharge:	Less than 50V one minute after switch off
Cable termination:	M10 on to Busbar, MCCB or Isolator (cable box available for bottom entry)

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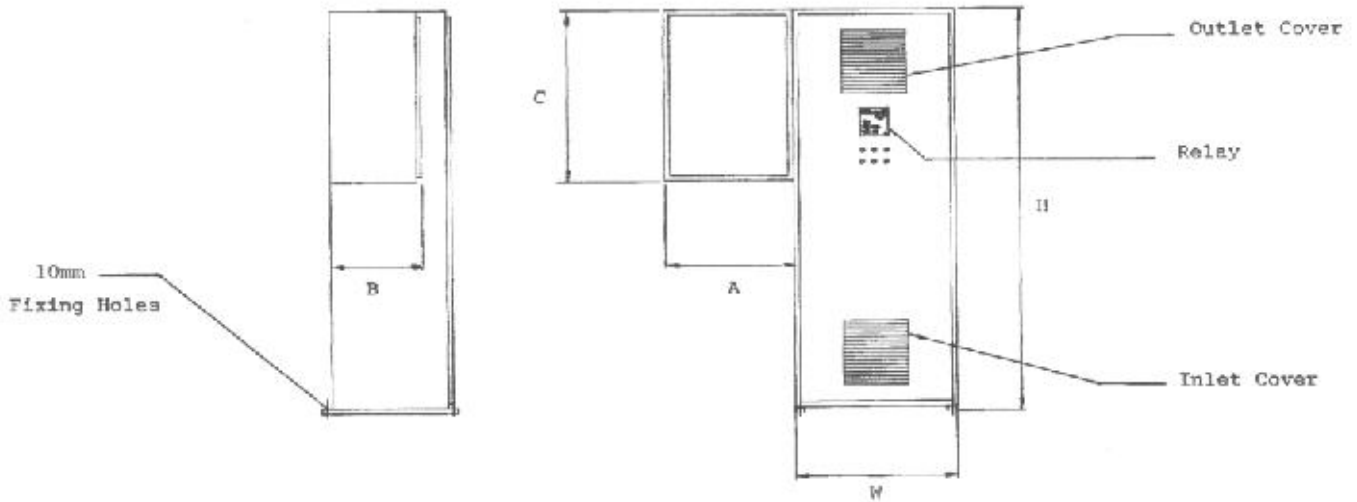
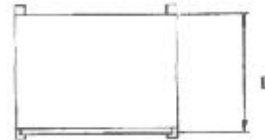
D.T.P.F.

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Optional extras: selector switches, door interlocked isolation devices, alarms (low pf, harmonic, loss of voltage etc), volt meter, ammeter and integral digital multi-meter.

Note ! Some capacitor manufacturers use capacitors with a dielectric rating of less than 525V in their Detuned Capacitor Assemblies, PES use a minimum of 525V capacitors in their Detuned equipment to prevent premature failure, ensure unrivalled reliability and maximise the purchasers long term investment.

- NOTES:
 1. TO BE CONSTRUCTED FROM 2mm ZINTEC STEEL
 2. FINISH: RAL 7032
 3. IP42



APPROXIMATE DIMENSIONS

ITEM	RATING	ENCLOSURE SIZE Inc 300mm PLINTH	PLINTH	CABLE BOX

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