

## S.T.F.P SEMI-AUTOMATIC CAPACITOR FUNCTION PLATES

The S.T.F.P range of standard automatic power factor correction capacitor function plates are specifically designed to optimise space in a system builders panel and with the emphasis placed on flexibility, our standard dimensions & orientation can be modified to suit individual panel requirements. Standard ratings of 12.5kvar 25kvar & 50kvar utilise a number of switching sequences to efficiently correct an LV supply.

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 S.T.F.P. range of equipments:

- Manufactured in the UK
- Quality components used throughout to ensure unrivalled reliability
- High quality capacitors with exceptional overload capability
- Modular design to maximise panel area
- Flexibility in manufacture, size and rating
- Low loss assembly
- Telephone or on site assistance available from experienced field engineers.



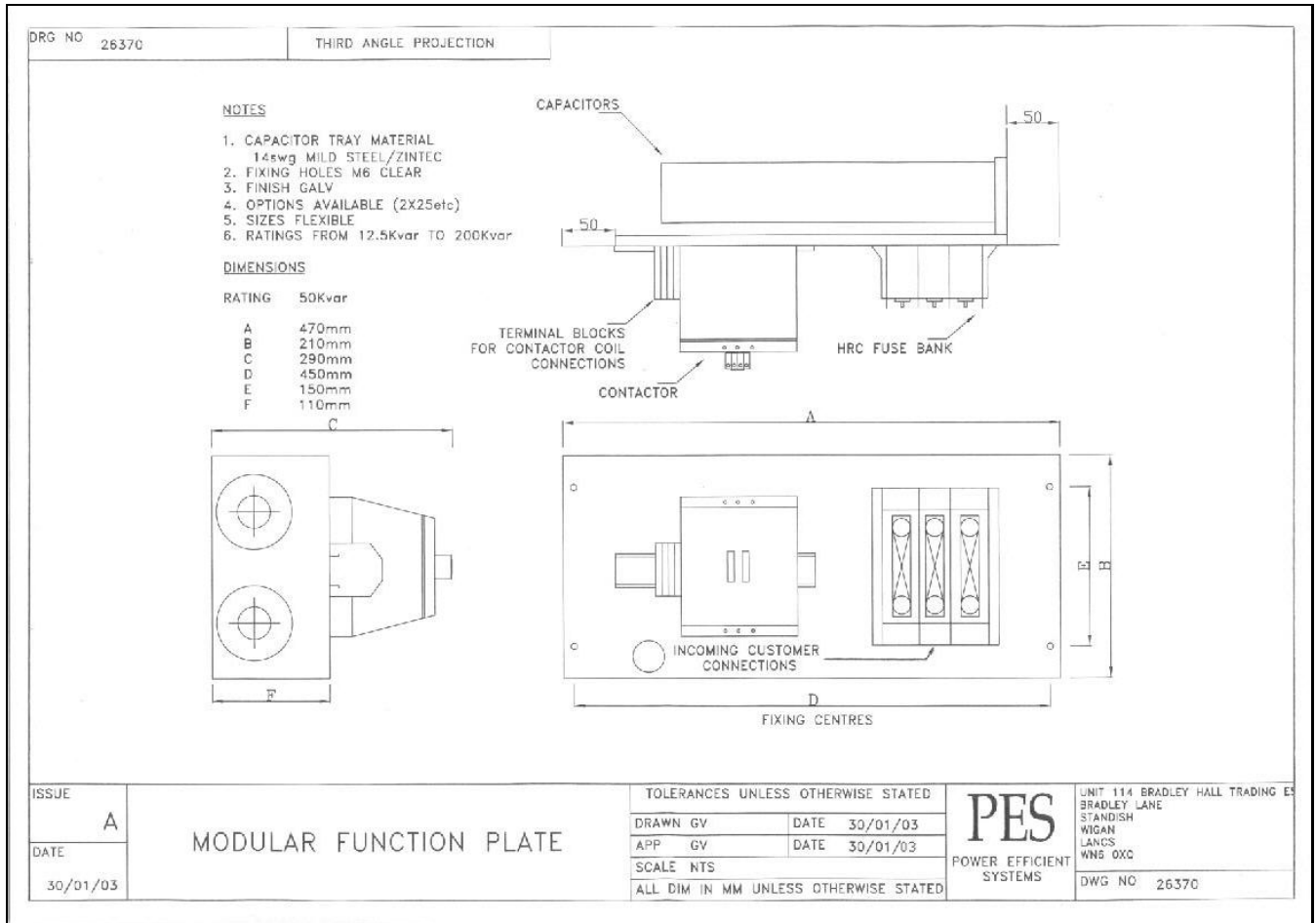
### Standards & Specification

Supply:	400-440v 3 phase 50Hz (other voltages available on request)
Installation:	3 wire
Standards:	BSEN60831 (IEC831 & IEC70/70), BSEN60439, BSEN60204
IP Rating:	Enhanced ratings available on request.
Operating temperature:	-25oC/group D (others available on request)
Construction:	14g mild steel fully welded press folded assembly
Finish:	RAL 7035 Tex (others available on request)
Discharge:	less than 50V one minute after switch off

**Options:** Alternative ratings - BS88 fuse protection - IP2X rated assembly  
Vertical or Horizontal orientation

# S T F P.

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### APPROXIMATE DIMENSIONS

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Rating	A	B	C	D	E	F	Finish
25kvar 1 stage	470mm	210mm	250mm	450mm	150mm	110mm	RAL 7035
50kvar 1 stage	470mm	210mm	295mm	450mm	150mm	110mm	RAL 7035
50kvar 2 stage	470mm	210mm	250mm	450mm	150mm	110mm	RAL 7035

### HARMONICS

Many modern electrical equipments use thyristors, invertors and rectifiers e.g. to effect speed control of motors and temperature control of heater banks. Other power electronics are used in such items as UPS and battery chargers. Such non-linear devices produce harmonic disturbance and can dramatically increase the current flowing in the system in addition to other harmful effects.

Capacitors and other electrical devices can be damaged by these harmonics.

If you have any harmonic producing loads, please advise us so that we can ensure that your capacitors do not suffer as a consequence

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