

# J M S

*T r a n s f o r m e r s L t d*  
23 Ivatt Way, Westwood Ind Est, Peterborough, Cambs, PE3 7PG.  
Tel: 01733 760000, Fax: 01733 760004  
Email [jms@transformers.uk.net](mailto:jms@transformers.uk.net)  
[www.transformers.uk.net](http://www.transformers.uk.net)

## Winding material specifications

All of our transformers come with the following specifications.

Singe phase formers made from a minimum of insulation class B (130°C).

Three phase formers made from a minimum of insulation class F (155°C).

All wire used is polyester grade 2 (220°C) dual coat.

The primary is isolated from the secondary with insulation of class H (180°C).

The windings have a full earth screen to protect the secondary from the primary

Single phase laminations used have a maximum core loss of 6 Watts per Kg.

Three phase laminations used have a maximum core loss of 2 Watts per Kg.

Insulating bushes are fitted to all through bolts to ease Eddy current transfer

All transformers are individually tested to a tolerance of  $\pm 5\%$

We wind to conform with the general requirements of EN 60742, BS EN 60558

And BS171 where requested

Our transformers comply with the requirements for the CE mark

All of our transformers are clearly labelled with ratings, voltage and unique serial no.



# J M S

*T r a n s f o r m e r s L t d*  
23 Ivatt Way, Westwood Ind Est, Peterborough, Cambs, PE3 7PG.  
Tel: 01733 760000, Fax: 01733 760004  
Email [jms@transformers.uk.net](mailto:jms@transformers.uk.net)  
[www.transformers.uk.net](http://www.transformers.uk.net)

## Test specifications

We test to the following methods.

We test the following ways using the Claire flash tester set at 4000 volts for 10 seconds

Primary to earth, primary to screen.

Secondary to earth, secondary to screen.

Primary to secondary.

Load test on earth stud at a minimum of 10 Amps

We test the supply voltage that is connected to the primary winding and ratio test the secondary voltage if the supply voltage is out of spec.

We test the secondary output voltage to a tolerance of  $\pm 5\%$ .  
(UK generating companies, currently specify a tolerance of  $-6\%$   $+10\%$ .)

We visually inspect all of the following

- Integrity of fixings.
- Integrity of terminations.
- Specified mounting centres.
- Extent of insulation.
- Fitting of earth stud or terminal.
- Rating plate fitted with accurate information.
- Compliance with appropriate specifications.

All of our transformers are manufactured and tested in accordance with our ISO9002 manual

