

UK, USA & Europe Voltage Conversion

The Toroidal Range

When North American travellers come to England, they are presented with the harmonised European 230V.a.c mains supply, as opposed to 120V.a.c as used in North America. Europeans have the opposite problem, they need a step-up transformer.

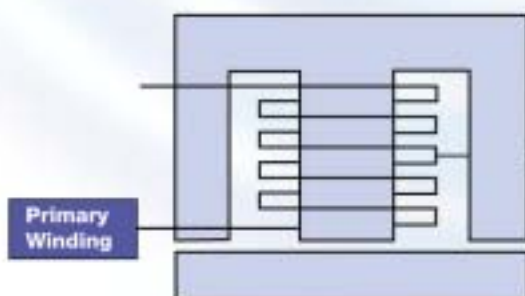
The Tacima range of transformers incorporate many design features to produce a superior product.

Features: (Excluding 30VA, 50VA)

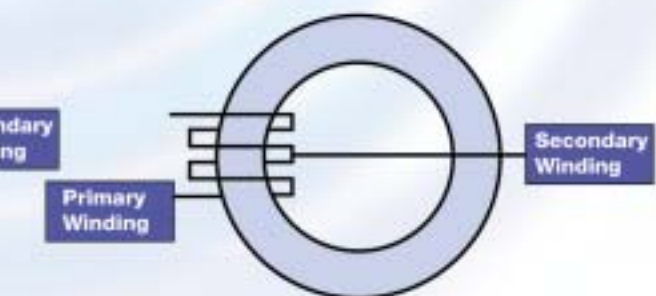
- Moulded plastic enclosure to produce an attractive product for the home.
- Double locking safety feature of the enclosure to prevent damage following misuse.
- Full Encapsulation of the Transformer -
 - a) Improves heat dissipation
 - b) Prevents ingress of moisture, etc.
- Toroidal Construction -
 - a) Lower height
 - b) Negligible external magnetic field
 - c) Improved efficiency
 - d) Smaller size
 - e) Reduced weight

Whereas traditional laminated transformers have laminated cores, Toroidal mains transformers are wound on an iron ring (Torus) and are becoming more widely used due to improved modern winding techniques.

Traditional Laminated Construction



Toroidal Construction



All step-up and step-down models in our range are auto-transformers, and do NOT provide isolation between the Input and Output.

STEP DOWN TRANSFORMER - USA EQUIPMENT FOR USE IN THE UK/EUROPE



TYPE Autotransformer
 WINDING Toroidal
 INPUT 220/240V A.C. 50/60 Hz.
 OUTPUT 110/120V A.C. 50/60 Hz.
 OUTPUT FUSE Resettable
 INPUT FUSE 13 amp (UK version only)
 MAINS LEAD 1.4 Metre long (Approx)
 SOCKET TYPE Accepts 2 or 3 pin USA type plug
 PACKAGING Plain box

Model No.	Maximum Load	No. of sockets	Dimensions (w)x(h)x(d)	Weight
SC5497	1500 VA	2	205 x 125 x 170mm	7.0kg
SC5498	2000 VA	2	205 x 125 x 170mm	8.4kg
<i>(USA to UK: comes with 13 amp plug)</i>				
SC5494	1500 VA	2	205 x 125 x 170mm	7.0kg
SC5565	2000 VA	2	205 x 125 x 170mm	8.4kg
<i>(USA to Europe: comes with European 2 pin + earth Shuko type plug)</i>				

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 WINDING Toroidal
 INPUT 220/240V A.C. 50/60 Hz.
 OUTPUT 110/120V A.C. 50/60 Hz.
 OUTPUT FUSE Resettable
 INPUT FUSE 13 amp (UK version only)
 MAINS LEAD 1.4 Metre long (Approx)
 SOCKET TYPE Accepts 2 or 3 pin USA type plug
 PACKAGING Plain box

Model No.	Maximum Load	No. of sockets	Dimensions (w)x(h)x(d)	Weight
SC5577	3000 VA	2	300 x 160 x 200mm	10.4 kg
<i>(USA to UK: comes with 13 amp plug)</i>				
SC5582	3000 VA	2	300 x 160 x 200mm	10.4 kg
<i>(USA to Europe: comes with European 2 pin + earth Shuko type plug)</i>				

STEP DOWN TRANSFORMER - USA EQUIPMENT FOR USE IN EUROPE



TYPE Autotransformer
 WINDING Traditional construction (non toroidal)
 INPUT 220/240V A.C. 50/60 Hz.
 OUTPUT 110/120V A.C. 50/60 Hz.
 PROTECTION Overload cutout
 PLUG TYPE European 2 pin
 SOCKET TYPE Accepts only 2 pin USA type plug

Model No.	Maximum Load	Packing	Product Colour	Weight
SC5421W/BP	30VA	Blister	White	0.44kg