

The REO logo is displayed in white, stylized, block letters within a blue rectangular box. The background of the entire page is a close-up photograph of a toroidal transformer winding machine, showing copper wire being wound onto a toroidal core with a white protective coating.

REO

Toroidal fixed transformers

Stock Range

www.reo.co.uk

Useful facts about toroidal fixed transformers

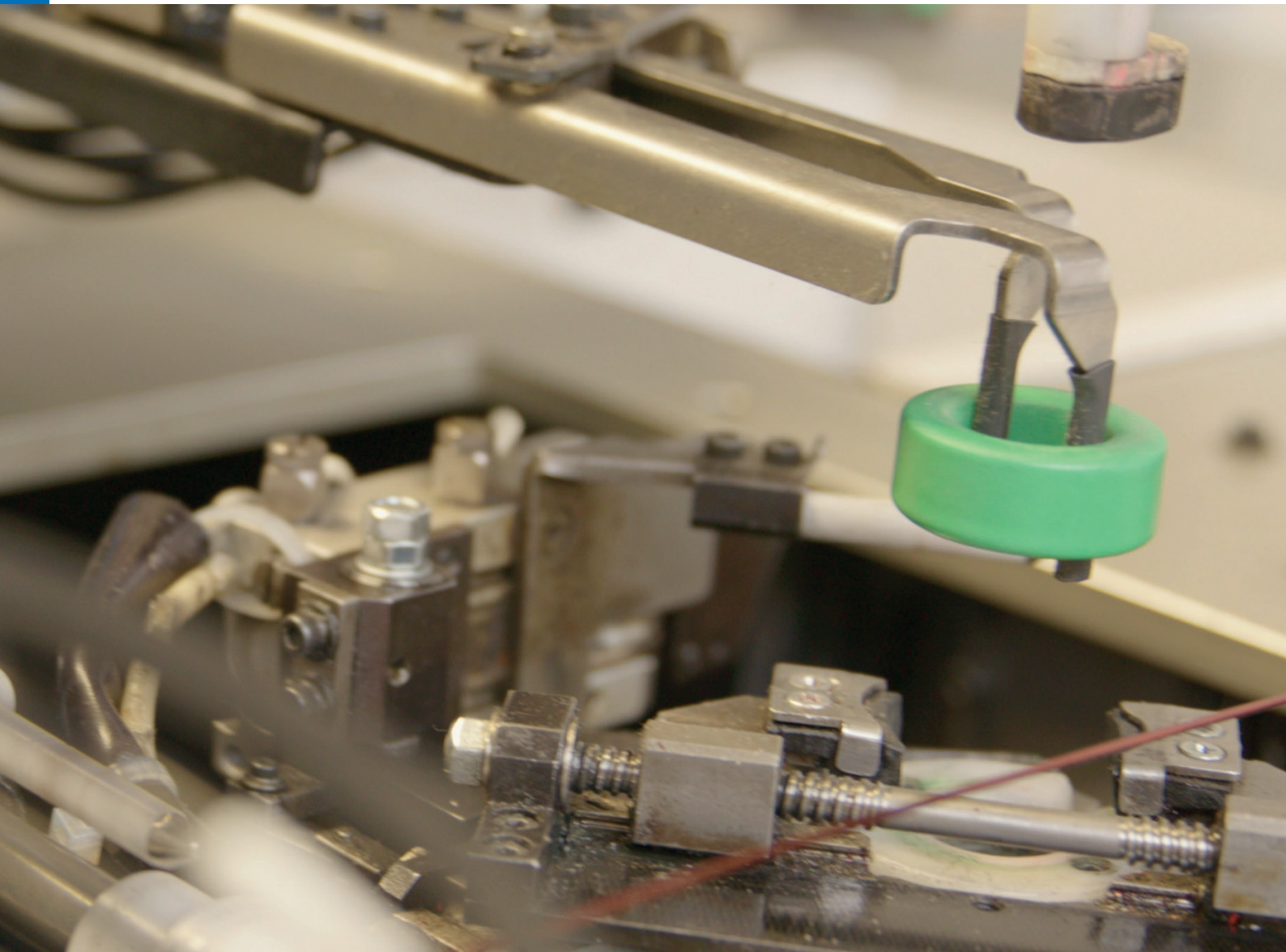
Wide range of toroidal fixed transformers for any application

REO has been developing and manufacturing toroidal fixed transformers for more than 25 years. It constantly implements optimisations in development and production processes and thus, ensures continuous further development and an increase in efficiency of the components.

Toroidal fixed transformers are mainly used when compact power supplies are required. The components are used in the entire field of electronics and electrical engineering and in addition to the small dimensions, they have many other considerable advantages compared to conventional transformers.

In general all manufactured transformers are tested in accordance with the EN ISO 9001 standard at the in-house laboratory and only approved once the single test has been passed. Other standards used for the toroidal fixed transformers:

- DIN EN 61558-2-1; DIN EN 61558-2-2; DIN EN 61558-2-4; DIN EN 61558-2-6; DIN EN 61558-2-13
- DIN EN 60601-1
- UL/cRU-certified according to OBJY2/OBJY8.E251513: Approved class B insulation system



Service



Guarantee

Winning quality - extra peace of mind, thanks to the expanded REO manufacturer's guarantee.

We believe in the quality of our own products and are confident of the durability of all components used, which is why we have [extended the legal guarantee from one to two years](#).



Safety

We offer you devices with the highest possible operational safety. Should any unwanted events occur with any of our products, your professional emergency responder will be available to help you over the telephone free of charge. If the situation or query cannot be resolved over the telephone, you have the opportunity to have the defective device sent back after consultation.



Repairs

After telephone consultation, and after the defective product has been received, we can even offer you [express repairs](#) if possible. This minimises downtime in the event of a fault and guarantees a swift exchange.



Hotline

Our REO sales specialists look forward to giving you a helping hand. Contact your REO contact partner or call our hotline to receive further information about our services and the REO portfolio.

Advantages of toroidal fixed transformers

- High energy efficiency
- Weight reduction of up to 50% compared to EI types
- Very low internal losses
- Low magnetic stray field
- Low levels of electrical 'hum' and noise
- Full sealing possible which protects the toroidal fixed transformer when used in an aggressive environment
- UL-listed materials
- Safe electrical separation of primary and secondary windings
- Set-up of SELV circuits
- Protection class II ready
- Small space/power ratio
- Flexible adjustment of the dimensions to your requirements
- Diverse DIN-compliant mounting connections with a large number of housing designs
- Option for integral temperature switch or thermal fuse

REO Advantages

- Attractive price structure even for small quantities
- Individual solutions adapted to your application
- Rapid production of your standard or specific solution due to a range of cores available in stock
- In-house core production
- REO speaks your language: Due to our distribution centres worldwide we are always close to the customer. Regardless of what language you speak, which time zone you live in or which currency you use - an REO office is in your vicinity and it guarantees a quick, efficient and cost-effective pro-cessing of your order.

Low energy consumption

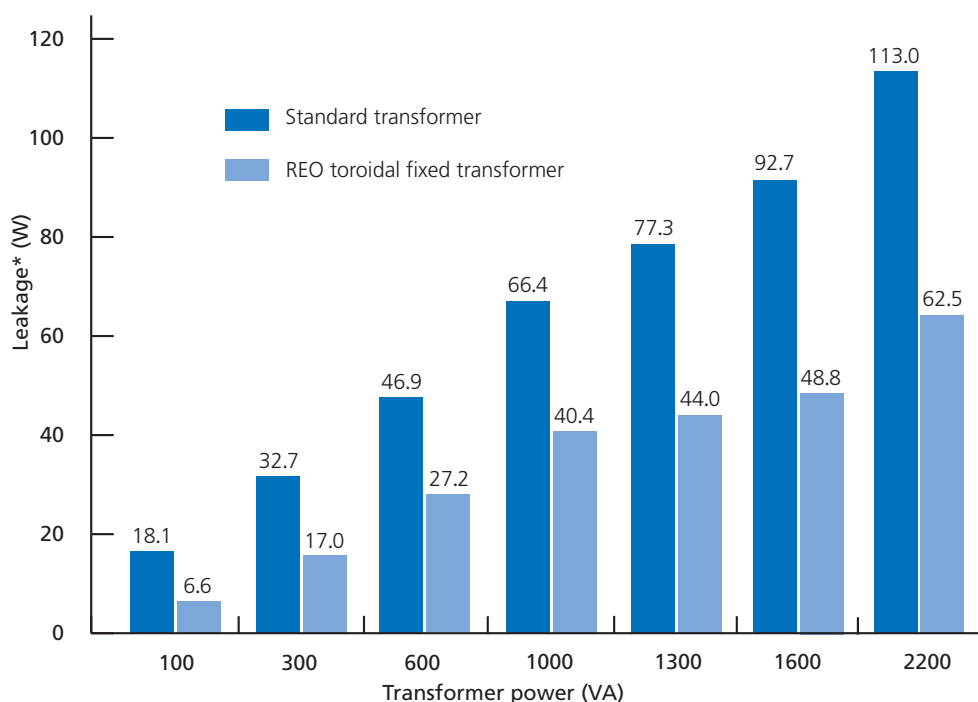
REO toroidal fixed transformers for efficient energy and cost reduction

Due to increased burden on the environment and the resulting environmental awareness, the topic of energy efficiency is constantly in the spotlight and the focus is a drive toward nett zero and a reduction of energy.

REO toroidal fixed transformers can help to achieve this goal. The following illustration compares the leakage values between a commercially available transformer EI transformer and a toroidal fixed transformer .

The savings are considerable.

Efficient energy reduction



Comparison of power losses between a standard transformer and a REO toroidal fixed transformer.

*Leakages at operating temperature

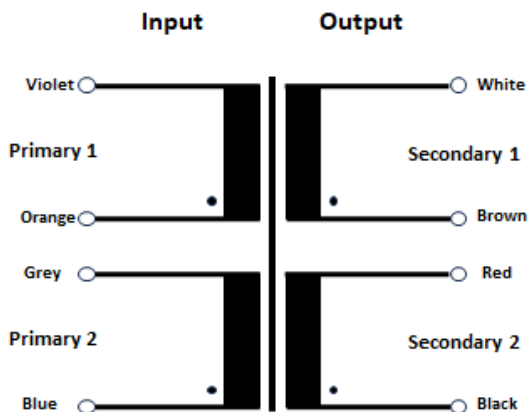
Toroidal fixed transformer, Stock Range

Toroidal fixed transformer in open design to be used in a variety of power supply applications.

Toroidal fixed transformers have significant advantages over conventional transformers: their construction results in up to 50% less volume and low weight. Since the ring cores have almost no air gap, only a very low magnetic stray field is produced and the transformers are almost hum-free. The change in secondary voltage between off-load and full load is much smaller than with transformers with a conventional EI core.



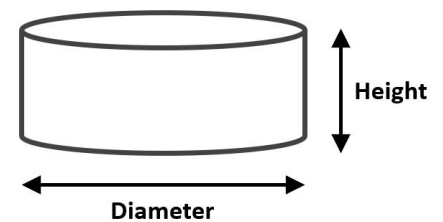
Connection Diagram



115 V Connect Pri 1 and Pri 2 in parallel
230 V Connect Pri 1 and Pri 2 in series

REO Transformer Type RFT-O

Part Number	Power (VA)	Input (V)	Output (V)	Height x Dia (mm)	Weight (kgs)
65B18024	50	2 x 115	2 x 12	82 x 32	0.55
65B18025	120	2 x 115	2 x 12	99 x 45	1.35
65B18026	250	2 x 115	2 x 12	115 x 53	2.40
65B18027	400	2 x 115	2 x 12	127 x 60	3.50
65B18028	50	2 x 115	2 x 15	82 x 32	0.55
65B18029	120	2 x 115	2 x 15	99 x 45	1.35
65B18030	250	2 x 115	2 x 15	115 x 53	2.40
65B18031	400	2 x 115	2 x 15	127 x 60	3.50

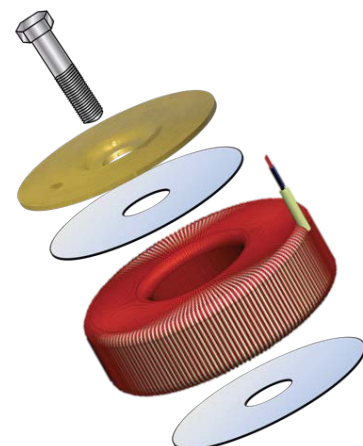


Mounting Parts

ALL REO Toroidal Transformers are supplied with the following mounting parts to allow fast and safe installation.

- 2 x NEOPRENE Washers
- 1 x Dished Steel Washer

This allows fast and easy mounting.

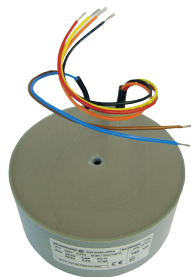


Special voltages and higher powers on request

Toroidal fixed transformer with sealed centre hole



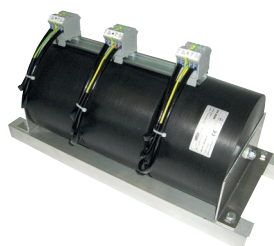
Fully sealed toroidal fixed transformer



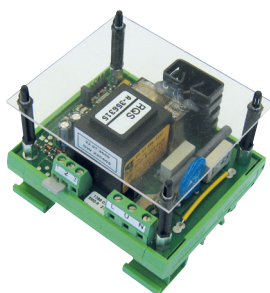
High current transformer



Three-phase toroidal fixed transformer



Switch-on current limiter



REOMED - Medical Isolation Transformer



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