

# *Our Solution. Your Transformers.*



## **Distribution Transformers**

- Oil immersed
- Up to 3150 kVA and 72,5 kV
- Both 50 and 60 Hz operation
- Loss Series: Normal, Medium, Low-loss- and Super Low-loss (Amorphous)

## **Reference Standards**

- IEC 60076
- National standards upon request (ANSI, BS etc.)

## *Distribution Transformers*

Our standard oil-immersed distribution transformers are manufactured to meet the requirements of international standards (IEC). Design according to other national standards (ANSI, BS etc.) is available upon request.

Our standard transformers are hermetically sealed and made with corrugated tank design. The flexible corrugated cooling will take up the oil expansion. Upon request can the transformer be made free breathing, which means adding an oil expansion/conservator tank equipped with a dehydrating breather.

We are flexible to meet various customer requirements with our customized design. These transformers will be made to order and handled as an individual project to be sure that all specific requirements are met.



## Standard Design

Design according to IEC- standards. Other national standards (ANSI, BS etc.) is available upon request.

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The energy losses are standardized to three categories; normal, medium and low losses. Other specific requirements in terms of energy losses can be achieved with our customized design.

The level of accessories and monitoring equipment is limited to such types that can be retrofitted to the standard design.

*“With our standard design we want to achieve high quality transformers that will give our customers good value for money thanks to full scale serial production of standard design.”*

## Customized Design to Meet Various Requirements

These transformers will be made to order and handled as an individual project to be sure that all specific requirements are met.

The customization process covers everything from both electrical and mechanical design parameters to the level of accessories and instrumentation. This gives us full freedom to meet special requirements on impedance, level of losses, noise level and it also gives us the possibility to fit the transformers into places with space restrictions.

*“We are flexible to meet various customer requirements with our customized design.”*

## Special Features

With the customized design we can offer following special features:

- Dual primary voltage
- Various connections and phase displacement
- Temperature rise according to site conditions
- Increased insulation level with increased withstand to lightning and overvoltage peaks
- Rigid tank design with bolt on cooling radiators and oil expansion tank
- Cable termination boxes
- Voltage regulation with bolted links for more failsafe operation
- Voltage regulation with motorized on-load tap changer



*BTB Plaza has served as the marketplace for transformers since 2004. Our Finnish entrepreneur-driven company is known for its speed, flexibility and reliability.*

**BTB** plaza

*The Transformer Marketplace*

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