

On January 1, 2016, the new U.S. Department of Energy efficiency standards replaced TP-1 standards that began January 1, 2007. Most common distribution transformers that are manufactured and/or sold in the US are covered by these newer, stricter standards.

What Do These New Standards Mean To You?

- **Significantly higher prices** - To achieve a more efficient design, manufacturers are utilizing more efficient core steel, better core designs, and/or more conductor for the coils. All of these translate into higher cost. **Industry experts are estimating price increases as high as 85 percent.**
- **Longer lead times** - More efficient core steel cannot be cut by existing equipment. This forced manufacturers into investing in new shearing machinery and/or outsource the cutting of core material. This is contributing to longer lead times.
- **Larger transformers** - Using more core steel and conductor is resulting in larger core and coil assemblies. Some transformers are requiring larger enclosures.
- **Energy Savings?** - Yes, more efficient transformers will use less energy. The question is, how much less? Industry experts predict decades to recover your investment in a new energy efficient transformer.

Why You Should Have Your Transformer Repaired By Alfa

Remanufactured, reconditioned, and repaired transformers are not subject to the new government efficiency standards. Having your transformer repaired by Alfa can save you money, time, and installation issues.

- **Lower price** - Because a new, larger core and coil design is not necessary to meet new government standards, we can repair your transformer at a lower cost than a new transformer.
- **Shorter lead times** - Since manufacturing a new core is not necessary, lead times for the repair of transformers are not affected by the new government standards.
- **Perfect fit** - Because of the new government standards, new transformers are requiring costly custom designs to make them fit into existing spaces. When we repair your transformer you won't have to worry about it fitting into the existing space.

Dry Type & Oil Filled
Transformer Repair
to 5000 KVA and 34.5 kV



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TRANSFORMERS.
It's What We Do

PRODUCTS

DRY TYPE TRANSFORMERS

- **Low Voltage**
 - 0.05 KVA to 1000 KVA
 - To 600V
 - Single-phase and three-phase
 - New units IN STOCK to 770 KVA
 - Custom-built units with fast lead times

- **Medium Voltage**
 - 1 KVA to 10000 KVA
 - To 34.5kV
 - IN STOCK to 2500 KVA

OIL FILLED TRANSFORMERS

- **Pad Mounted**
 - 25 KVA to 7500 KVA
 - To 46kV
 - Single-phase and three phase
 - IN STOCK to 2500 KVA

- **Substation**
 - 500 KVA to 300 MVA
 - To 230kV
 - Custom-built units available

- **Pole Mounted**
 - 10 KVA to 333 KVA
 - To 34.5kV
 - Reconditioned lead time is 2-3 weeks
 - Many stock units can ship within 48 hrs

OTHER PRODUCTS

- **Medium Voltage Switchgear**
- **Phase Converters**
- **Transformer Components**

SERVICES

REPAIR

- **Dry Type Transformers**
 - To 5000 KVA
 - To 34.5 kV
 - Autotransformers
 - Welding transformers
 - Mining transformers
 - Reactors
 - Choke coils
 - Rectifiers
 - And more
- **Pad Mounted Transformers**
- **Substation Transformers**
- **Pole Mounted Transformers**
 - To 5000 KVA
 - To 34.5 kV
- **Most Coil-Based Equipment**
- **50 Years of Experience**

OTHER SERVICES

- **Transformer Testing**
- **Transformer Reconditioning**
- **Oil Sampling and Lab Analysis**