MEDIUM VOLTAGE DRY TYPE TRANSFORMERS

Dry Type Medium Voltage Transformers up to 10 mVA

Product

Jefferson's medium voltage transformers offer an economical alternative for industrial facilities and process lines, drilling and mining installations and commercial power applications. Designed for indoor or outdoor installations, units are custom built to meet specifications.

- 40+ years of manufacturing experience with medium voltage units
- Global footprint with low cost manufacturing model
- Trained staff utilizing state of the art engineering and modeling software provide precision designs

Applications

- An economical and environmentally friendly alternative to liquid filled units for industrial, commercial and utility markets
- Designed for indoor or outdoor installations

Features, Functions, Benefits

- Units designed to application specifications
- Vacuum Pressure Impregnation process ensures the encapsulant penetrates windings and eliminates air pockets. This improves mechanical strength and heat dissipation, prolonging the life of the unit.
- Custom terminations

Specifications

- 5 kV Class : 150 kVA to 10 mVA
- 15 kV Class: 300 kVA to 10 mVA
- 25 kV Class: 300 kVA to 10 mVA
- 35 kV Class: 500 kVA to 10 mVA
- NEMA 1 and NEMA 3R enclosures
- Mitered core design using high quality electrical steel
- Single and Three Phase, 60 Hz
- Standard 150°C rise, 220°C Insulation
- Aluminum and copper windings available
- Taps are customized for each design
- Energy efficient to DOE-2016 standards
- Designed to UL, ANSI and NEMA standards

PIONEER DRY-TYPE TRANSFORMERS

JEFFERSON ELECTRIC

BEMAG TRANSFORMER

MEDIUM VOLTAGE DRY TYPE TRANSFORMERS

Options

- 50 Hz
- Primary taps
- Electrostatic shielding
- Temperature rise: 80°C and 115°C
- Custom termination choices
- Lightning arrestors
- Grounding resistor
- Digital thermometer and monitor
- Forced air cooling fans
- Multiple secondaries
- Rectifier, traction, mining duty

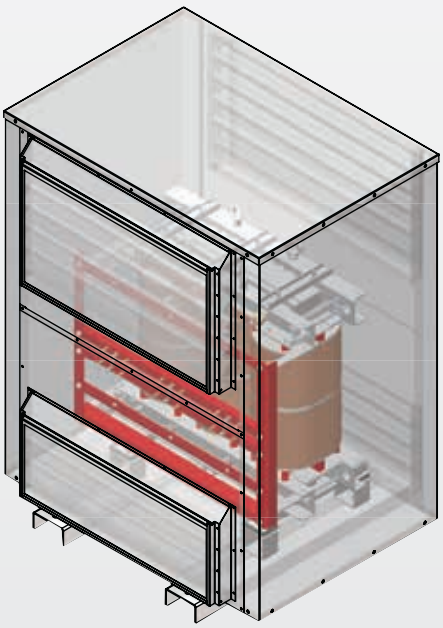
Standard Production Tests

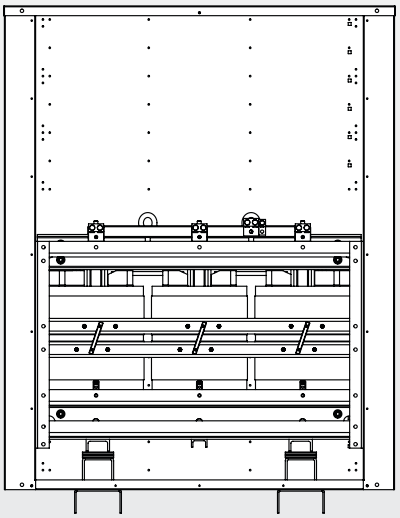
- Winding resistance
- Voltage ratio
- Polarity
- Exciting current
- Core Loss
- Load loss and impedance
- Tested to UL and CSA Standards

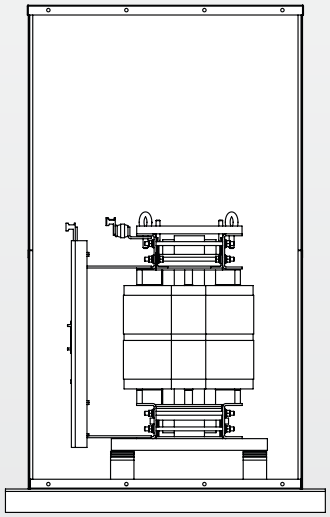
Optional Testing

Consult factory for more information

- Temperature rise
- Sound level
- Basic impulse level (BIL)
- Partial discharge







Engineering capabilities include state of the art 3D CAD drawings for tight design and exact standards.

Dry-Type Transformer Division Headquarters
JEFFERSON ELECTRIC
800-892-3755
jeffersonelectric.com

Canadian Sales
BEMAG TRANSFORMERS
800-892-3755
bemag.ca

Latin American Sales
TRANSFELEC INDUSTRIAL SA DE CV
+52 (81)1099-5070
mfbarahona@gmail.com

LIT989-0618