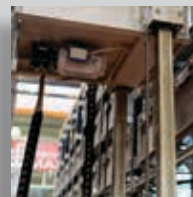
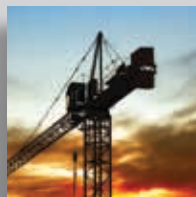
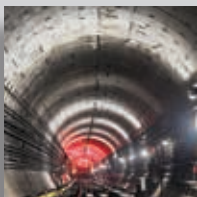


DRY TYPE STANDARD AND CUSTOM TRANSFORMERS



The experience and capability to satisfy your unique magnetic needs



PIONEER DRY TYPE STANDARD AND CUSTOM TRANSFORMERS

Products

Industrial Control Transformers

- Single-phase transformers for industrial control applications
- Standard efficiency
- 50 to 5000 VA
- For use in industrial and commercial control applications



Industrial Control

Buck-Boost

- General purpose
- Standard efficiency
- Encapsulated autotransformer
- 50 VA to 10 kVA
- Steps voltage up or down to solve over/under voltage problems economically
- Lighting and commercial applications



Buck-Boost Models

Single-Phase Encapsulated

- General purpose
- Standard efficiency
- 50 VA to 50 kVA
- NEMA 3R enclosures
- Lighting, industrial and commercial applications
- Class I, Div 2



Encapsulated Transformers

Three-Phase Encapsulated

- General purpose
- Standard efficiency
- 3 to 75 kVA
- NEMA 3R enclosures
- Industrial applications
- Class I, Div 2

Single-Phase Ventilated

- General purpose
- DOE / C802
- 15 to 667 kVA
- NEMA 1 enclosures
- Industrial and commercial applications

Three-Phase Ventilated

- General purpose
- DOE / C802
- 15 to 2500 kVA
- NEMA 3R enclosures
- Industrial and commercial applications

Non-Linear, K-Factor

- Non-linear loads
- DOE / C802
- 15 to 1000 kVA
- Electrostatically shielded
- Meet the load demands of solid state devices including ballast, computers and communication equipment

Drive Isolation

- Drive and motor loads
- Standard efficiency / C802
- 3 to 990 kVA
- Meets the demands of AC and DC variable speed drives



Ventilated Family

Totally Enclosed Non Ventilated

- TENV, industrial applications
- Standard efficiency
- 15 to 500 kVA
- NEMA 3R, 4 / 4X / 12 / 12X
- For use in adverse ambient environments

Power Transformers

- Medium voltage dry-type
- DOE / C802
- Through 10,000 kVA
- 5 to 35 kV primaries
- Switchgear, traction, mining and marine duty available

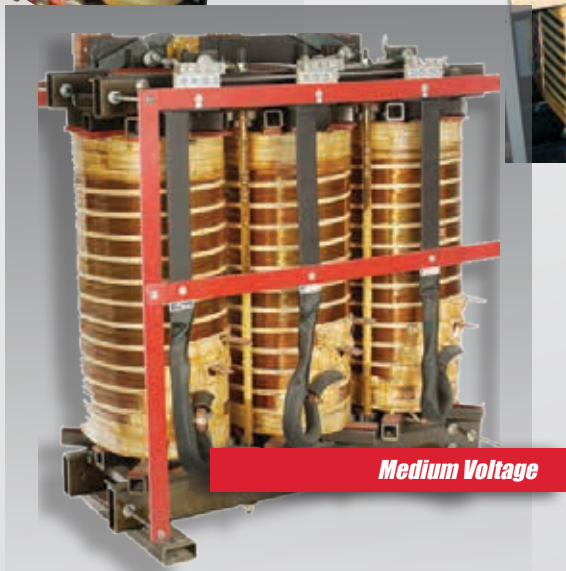
Custom Solutions

We will design to meet your requirements

- Power: 50 VA through 10,000 kVA
- Input and output voltages through 35 kV
- Multiple primaries and secondaries, and phase angles
- Frequencies: 60, 50, 400 or special
- Primary tap configuration
- Core and winding material options
- Ambient temperature and rise
- Impedance
- Inrush
- Electrical noise attenuation
- Harmonic content and mitigation
- Rectifier / inverter duty: 6, 12 and 18 pulse configurations
- Altitude
- Sound level
- Forced air cooling
- Efficiency at a specified load
- Environmental requirements
- Enclosure style and color: NEMA 1, 3R, 4, 4X, 12, 12X
- Accessories: terminal blocks, fusing, disconnects



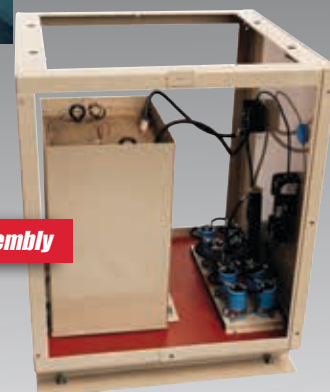
18-Pulse



Medium Voltage



Low Voltage Core & Coil



Filter assembly

Highest Standards

Our products are backed by a strict ISO-based quality assurance system. Each unit is thoroughly tested before leaving the plant to ensure proper operation. All products are designed to conform to the appropriate NEMA, ANSI, UL, and CSA standards.

Certifications

Seismic, ABS, UL, CSA, CE, C802



Seismic Qualified

- Available for both encapsulated and ventilated models
- Wall and floor mounted models rated up to 2.00g, z/h=1.00, Ip=1.5
- Meet International and California Building Codes 2006/2009 IBC and 2007/2010 CBC
- OSHPD # OSP-0109-10
- ICC-ES AC156 seismic qualifications

Filters, Reactors and Chokes

- Armature chokes and ripple filter assemblies to reduce the audible motor noise produced by DC drives
- Line and load reactors used in power factor control and regeneration

THE TRANSFORMER AUTHORITY

The Pioneer Companies have been innovators of transformer and reactor products since 1915. We enjoy a rich tradition of meeting the highest industry standards for quality, durability, and reliability in the commercial, industrial and OEM markets. Pioneer's Dry Type Transformer Division continues this tradition today, providing new magnetic products for a wide variety of applications and industries.

Industries we serve

- Oil and gas
- Transit systems
- Lighting installations
- Elevator equipment
- HVAC
- Commercial construction
- Plant maintenance and repair
- Medical facilities
- Alternative energy
- Battery charging stations
- Switchgear suppliers
- Plant automation
- Data centers
- Robotics machinery
- Power quality equipment
- Drive manufacturing

PIONEER TRANSFORMERS: Why us?

Scale

We produce over 100,000 transformers every year. With this high level of production comes buying power, a broad knowledge base and rapid work flow to meet the needs of our customers' magnetic products in a wide variety of applications and industries.

- Purchasing power of raw materials
- Large engineering staff for quick design turnaround
- Best delivery of custom options

Support

Our application engineers are available toll-free to help customers select the best transformer to meet their needs and assist in answering installation questions.

Customer service representatives are available to assist in placing and tracking orders, expediting shipments and answering order processing questions.

We're ready to help fulfill your transformer needs, call 800-892-3755 or visit us at jeffersonelectric.com.

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Our Partners

