Single-Phase Pole-Type Transformers

Prolec GE designs and manufactures a complete line of single-phase pole-type distribution transformers for installation on utility overhead systems. These highly reliable transformers are available in a wide variety of ratings and accessory combinations.

Our commitment to delivering reliable and cost-effective transformer solutions aligned with our customer's needs is backed by the integration of state-of-the-art technology in our design and manufacturing processes. Our ISO-9001 certified processes and quality assurance programs ensure the highest standards throughout the entire manufacturing process.

Product scope/ Standard features

- Rating:
  - 10, 15, 25, 37.5, 50, 75, 100, 167 kVA.
- High Voltage:
  - 4,160 GrdY/2,400 to 34,500 GrdY/19,920 or 2,400 to 19,920 (Dual voltage available).
  - BIL: 60 kV to 150 kV.
- Low Voltage:
  - 120/240 to 240/480 and 277.
- Meets or exceeds current RUS, NEMA and ANSI standards C57.12.00 and ANSI C57.12.20 as applicable.
- Mild steel tank with welded lifting lugs and hanger brackets for direct-to-pole mounting.
- Single piece clamped cover band meets cover retention requirements of applicable ANSI standards.
- Electrostatically applied polyester powder paint system for superior corrosion protection.
- High-voltage porcelain cover-mounted bushings (wall-mounted for units with high-voltage 4,160 or below).
- Tank wall-mounted porcelain or polymer low-voltage bushings.
- Tin-plated bronze terminals for connection to copper or aluminum.
- Low-voltage ground provision.
- Tank ground provision.
- Insulated cover for wildlife protection.
- Laser engraved aluminum nameplate.
- Non-PCB insulating oil.

- KVA rating on tank wall.
- Arrester mounting nuts welded to tank.
- One HV bushing with tank ground strap for grounded wye applications or two HV bushings for wye applications.
- Recessed tank bottom.
- Broad selection of design efficiencies to meet specific customer applications and new DOE minimum requirements.
- Automatic pressure relief valve.
- Silicon steel core.

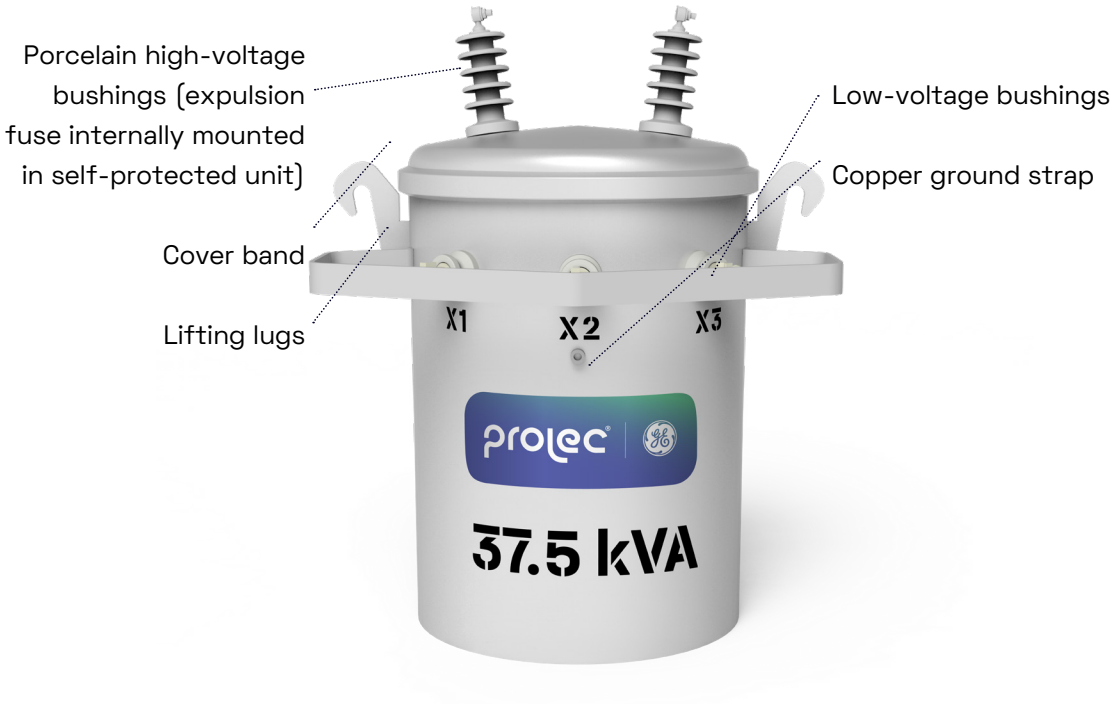
Optional features

- High-voltage taps with external tank-mounted, no load tap changer.
- Dual high-voltage ratings (not available with taps).
- Connectors for grounding.
- Stencils and labels according to customer requirements.
- External tank mounted high-voltage lightning arrester.
- Low-voltage circuit breaker with reset (and optional overload signal light).
- Internal high-voltage expulsion fuse.
- Under oil arrester.
- External low-voltage surge arrester.
- Interlaced secondary windings (through 50 kVA ratings).
- RUS compliant 1 bushing designs with double hanger bracket configuration (through 50 kVA).
- Stainless steel tank, cover, clamping band.
- Extra creep options for high-voltage bushings.
- Variety of features available for wildlife protection.
- Magnex™.
- Amorphous core.

Tests

All transformers are tested in strict accordance with the latest revision of applicable ANSI™, IEEE™, NEMA, and RUS with test reports available by serial number of the transformer.

Routine tests are:
- Leak test.
- Polarity and phase relation.
- Resistance.
- No-load losses and excitation current.
- Load losses and impedance.
- Applied voltage.
- Induced voltage.
- Full wave impulse.
- Ratio test.




CAUTION
TURN THE ARRESTER
90 DEGREES
BEFORE ENERGIZING
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Popular configurations

Double hanger bracket, one high-voltage bushing conventional unit.

Single hanger bracket, two high-voltage bushings conventional unit.

These highly reliable transformers are available in a wide variety of ratings and accessory combinations

LOCATIONS

MEXICO

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