



# 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.

We utilize state-of-the-art technology in our design and manufacturing systems, supported by our ISO-9001 certified processes and quality assurance programs, to provide you with reliable and cost-effective transformer products matched to your system requirements.

## Standard features

- Meets or exceeds current RUS, NEMA and ANSI Standards C57.12.00, 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 4160 or below)
- Tank wall mounted porcelain or polymer low-voltage bushings
- Tin-plated bronze terminals for connection to copper or aluminum
- Low-voltage ground provisions
- 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 (single bushing designs)
- One HV bushing with tank ground strap for grounded wye applications or two HV bushings for wye applications
- Recessed tank bottom

## Optional features & accessories

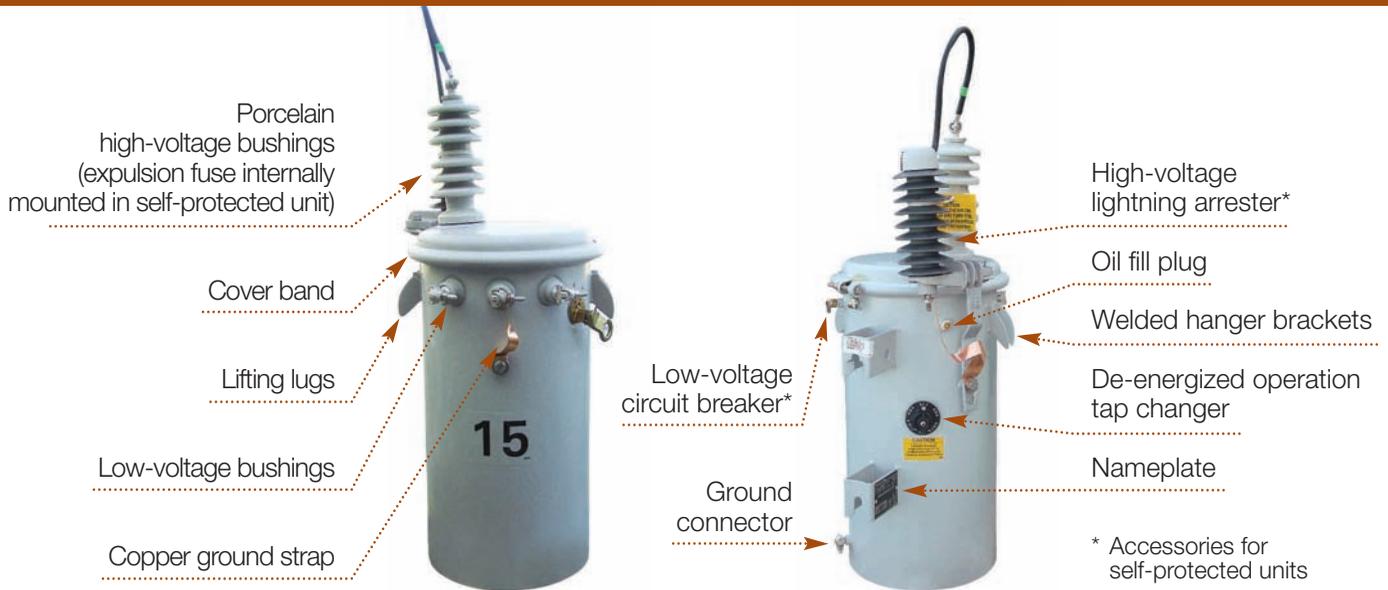
- Broad selection of design efficiencies to meet specific customer applications and new DOE minimum requirements
- Automatic pressure relief valve
- High-voltage taps with external tank mounted no load tap changer
- Dual high-voltage ratings (not available with taps)
- Connectors for grounding
- Stencils 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™

## 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



Popular configurations



Double hanger bracket one high-voltage bushing conventional unit.



Single hanger bracket two high-voltage bushings conventional unit.



Single hanger bracket one high-voltage bushing self protected unit.

Standard sizes and voltages

- kVA: 10, 15, 25, 37.5, 50, 75, 100, 167
- HV ratings: 4160GrdY/2400 to 34500GrdY/19920 or 2400 to 19920 (Dual voltages available)
- BIL: 60 kV to 150 kV
- LV ratings: 240/120 and 480/240

Please contact your GE sales representative for kVA sizes and voltage ratings not listed.

