

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.

Product scope/ Standard features

- Rating
 - 10, 15, 25, 37.5, 50, 75, 100, 167 kVA

- High Voltage
 - 4160 GrdY/2400 to 34500 GrdY/19920
 - or 2400 to 19920 (Dual voltajes available)
 - BIL: 60 kV to 150 kV

- Low Voltage
 - 240/120 and 480/240

- 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
- Broad selection of design efficiencies to meet specific customer applications
and new DOE minimum requirements

Optional features

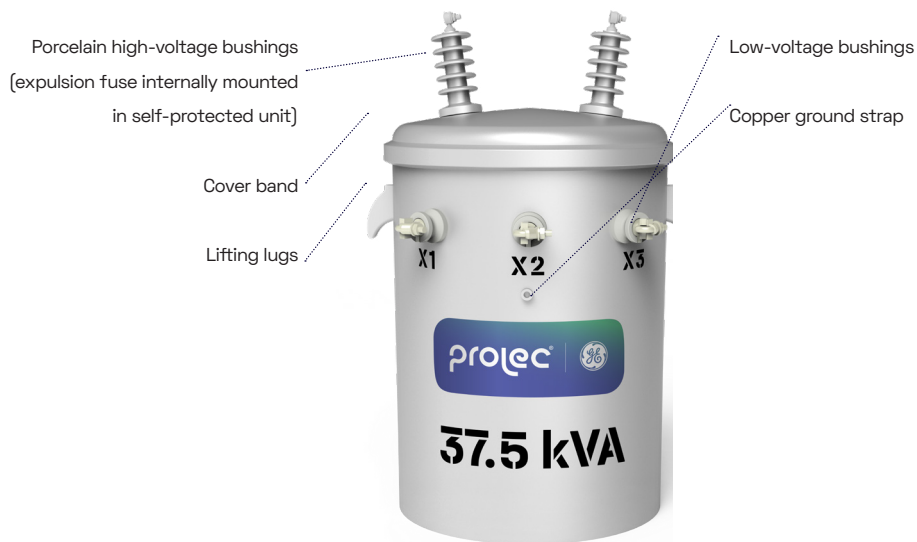
- Automatic pressure relief valve
- High-voltage taps with external tank mounted no load tap changer
- Dual high-voltage ratings (not available with taps)
- Connectors for grounding
- Stencils and labels according to customer requirements • External tank mounted
high-voltage lightning arrester
- Low-voltage 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 ANSITM, IEEEETM, 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.



For more information contact your local GE Sales Representative
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