



# 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

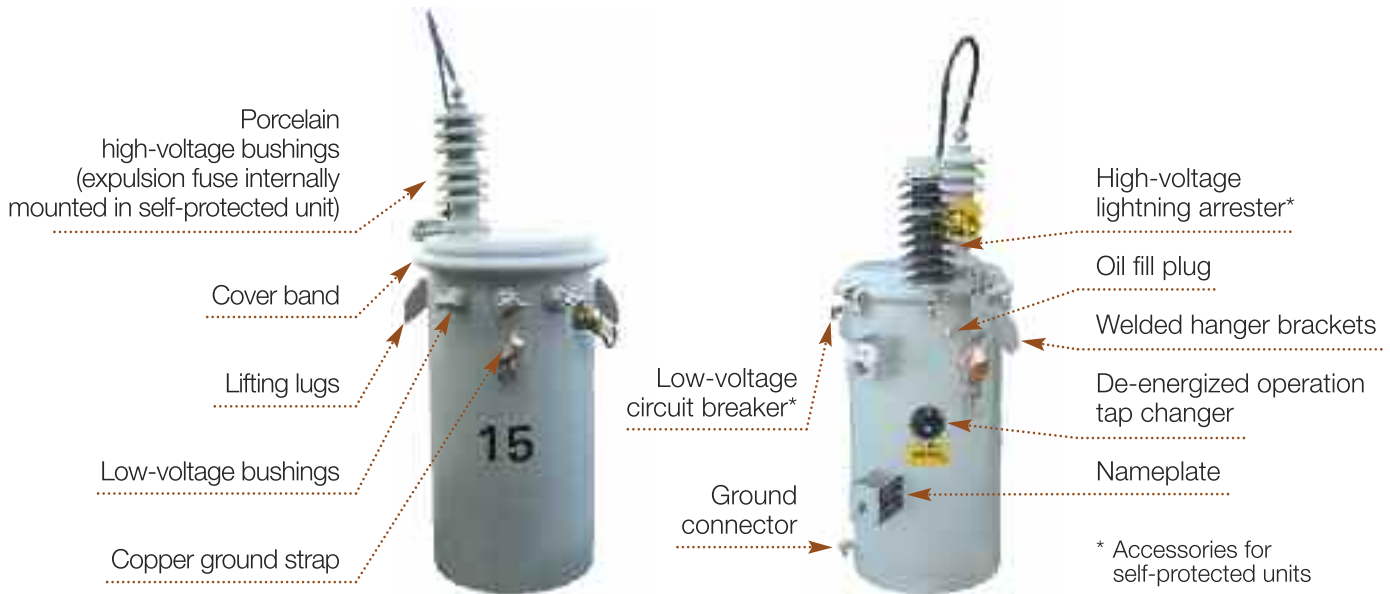
- Broad selection of design efficiencies to meet specific customer applications and new DOE minimum requirements.
- Automatic pressure relief valve .
- High-voltage taps with external tank mounted no load tap changer.
- Dual high-voltage ratings (not available with taps).
- Drain and sampling valve.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

## 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	HV Ratings	BIL	LV Ratings
10	2400/4160Y or	60 kV to 150 kV	120/240 240/480 277
15	4160GrdY/2400 through		
25	19920/34500Y		
37.5	or		
50	34500GrdY/19920		
75	Dual voltages		
100	available		

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

