



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

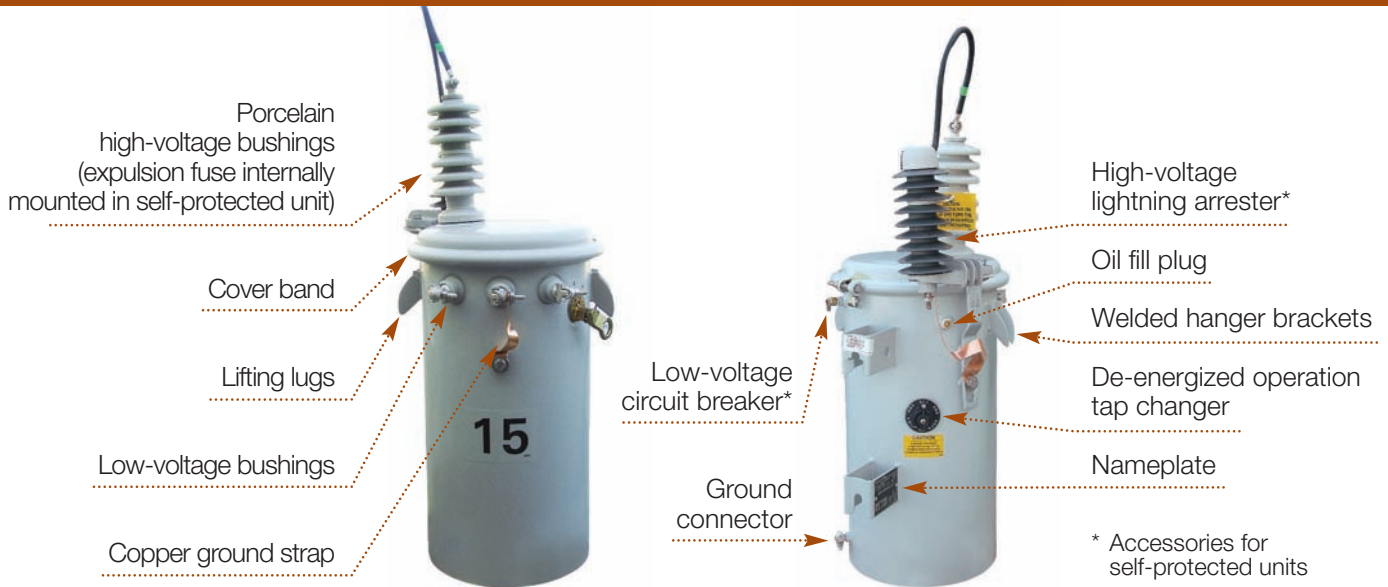
- Broad selection of design efficiencies to meet specific customer applications and new DOE minimum requirements.
- Automatic pressure relief valve .
- High-voltage taps with external tank mounted no load tap changer.
- Dual high-voltage ratings (not available with taps).
- Drain and sampling valve.
- 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
15	4160GrdY/2400		240/480
25	through		277
37.5	19920/34500Y		
50	or		
75	34500GrdY/19920		
100	Dual voltages available		

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



For more information contact your local GE Sales Representative or visit our website at www.prolecge.com
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