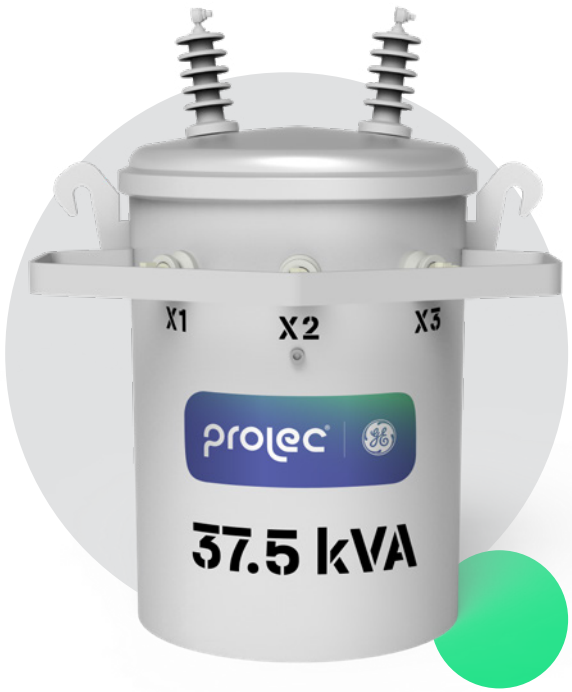
Single-Phase Pole-Type Transformers

Prolec GE specializes in the design and production of single-phase pole-type distribution transformers for utility overhead systems. These transformers are known for their high reliability and come in various ratings and accessory combinations. Prolec GE incorporates state-of-the-art technology in both, design and manufacturing, and their commitment to quality is reflected in their ISO-9001 certification and stringent quality assurance programs, ensuring the highest standards are maintained throughout the manufacturing process.

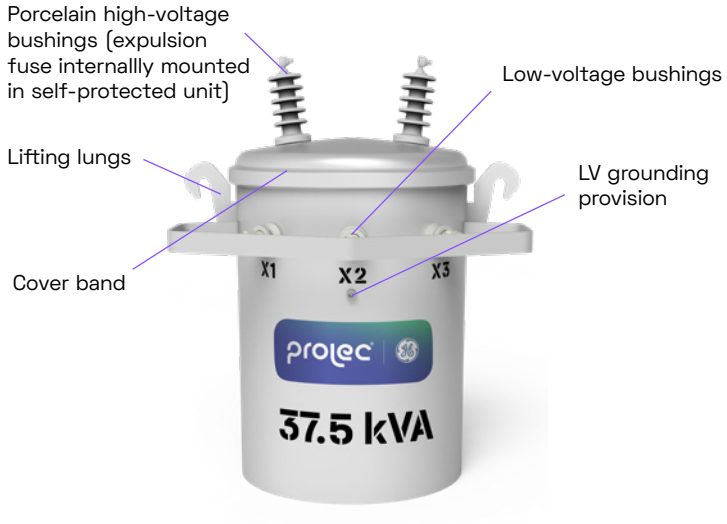


Standard features	
Rating	10, 15, 25, 37.5, 50, 75, 100 & 167 kVA
High voltage	4,160 GrdY/2,400 to 34,500 GrdY/19,920
HV BIL	60 kV to 150 kV
Low voltage	120/240 to 240/480 & 277
General standard IEEE	C57.12.00
ANSI standard	ANSI C57.12.20
CORE	Silicon steel
High voltage bushings	Porcelain cover-mounted*
Low voltage bushings	Tank wall-mounted porcelain or polymer
Ground provision	Low voltage & tank
Pressure valve	Automatic pressure relief

* Wall-mounted for units with high-voltage 4,160 or below

OPTIONAL FEATURES

- High-voltage taps with external tankmounted, no load tap changer.
- Dual high-voltage ratings (not available with taps).
- Connectors for grounding.
- 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.
- Magnex™.
- Amorphous core.



TRANSFORMER TESTING

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.

For more information:
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