

# Type VOZ-15 Outdoor voltage transformer

## Product features

- 25 kV, outdoor
- 150 kV BIL, 60 Hertz
- Primary volts: 12000 - 24000
- Electrical clearances:
  - Strike: 15.25" (387 mm)
  - Creep: 38.0" (965 mm)
- Approximate weight: 125 lbs (57 kg)

## Application

The VOZ-15 outdoor voltage transformer is used to accurately transform 25 kV system voltages to a secondary voltage for metering and relaying applications, typically 240 or 120 volts.

## Construction features

The layer wound and shielded high voltage winding is designed to withstand continuous operation at ratings higher than the line-to-ground voltage level when applied on a 25 kV, 150 kV BIL system. Refer to the Selection Guide for the rated voltage factor (RVF). Two cores placed through and around the windings are protectively cushioned and secured to a support frame.

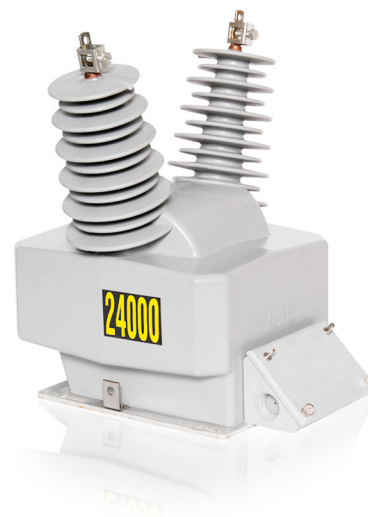
For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic pressure gelation. The HCEP material offers superior arc track, ozone, and ultraviolet-resistive properties while maintaining physical strength. The hydrophobic properties of HCEP ensure a high level of performance in wet or humid environments.

## Terminals

Electro-tin plated copper primary line terminals accommodate #10 to 250 MCM conductors. Clamp-type secondary terminals accommodate #14 through #3 wire. A ground terminal is also provided for grounding the secondary circuit at the transformer.

## Junction box

The junction box has a 1" conduit hub on either end and a knock out for a 1" conduit fitting on the bottom. The box is anchored to the body of the transformer with screws and can be easily detached, simplifying installation and change-out procedures.



## Baseplate

The base is constructed of corrosion-resistant aluminum and is secured to the encapsulated base support located screws.

## Mounting

The VOZ-15 can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

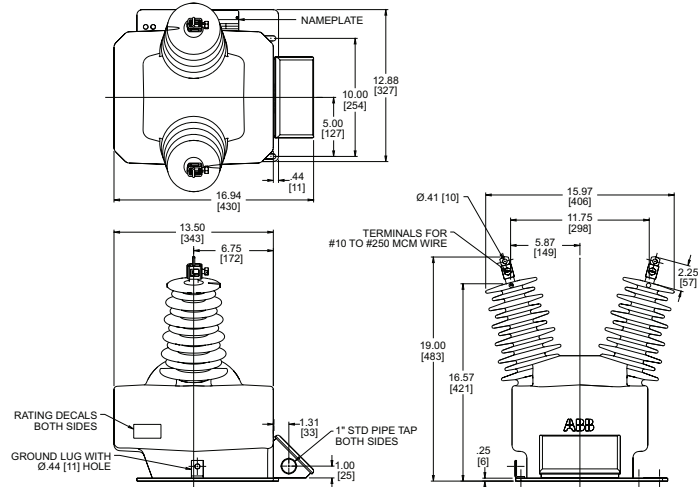
## Test reports

Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

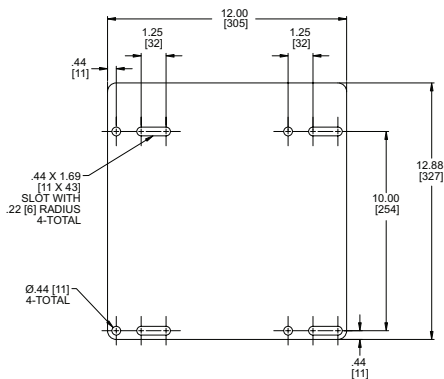
## Standards

This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

## Unit dimensions



## Type VOZ-15



## Baseplate dimensions

### Selection guide

Primary voltage	Secondary voltage	Winding ratio	Metering accuracy	Style number
12000/20780Y	120	100:1	0.3 W,X,M,Y,& Z	E-7525A90G01
14400/24940Y	120	120:1	0.3 W,X,M,Y,& Z	E-7525A90G02
18000/18000Y	120	150:1	0.3 W,X,M,Y,& Z	E-7525A90G03
24000/24000Y	120	200:1	0.3 W,X,M,Y,& Z	E-7525A90G04

Thermal rating at 30° C: 2000

Rated voltage factor (RVF): 1.1

Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

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