

# URU-72

## 69 kV VOLTAGE TRANSFORMER



OUTDOOR  
60 Hertz

ARTECHE UR/VR series are dry type outdoor service voltage transformers. The core is encapsulated with Type B epoxy resin which provides excellent internal dielectric properties and mechanical strength. The external layer of Cycloaliphatic Epoxy Resin (CEP) provides resistance to ultraviolet rays and the effects of tracking and erosion on the exterior of the transformer ensuring a long mechanical and electrical life. The transformer is maintenance free.

The external layer can be manufactured with Hydrophobic Cycloaliphatic Epoxy Resin (HCEP) which improves service life expectancy due to its improved tracking and erosion resistance. HCEP additionally increases the transformer's weatherability and offers better performance in heavily polluted environments.

The core is built with high permeability grain oriented silicon steel laminations for low losses. The windings are copper wire with copper plate double isolation. The concentric distribution of the coils prevents magnetic flux leakage, achieving greater accuracy and higher capacity to withstand mechanical stresses in adverse operating conditions.

Partial Discharge measurements exceed the IEEE, CAN/CSA and IEC requirements.

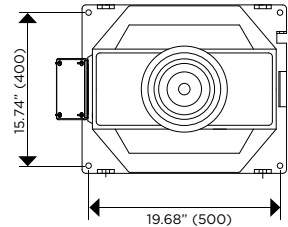
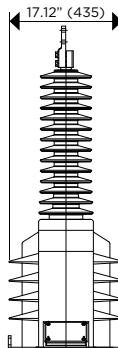
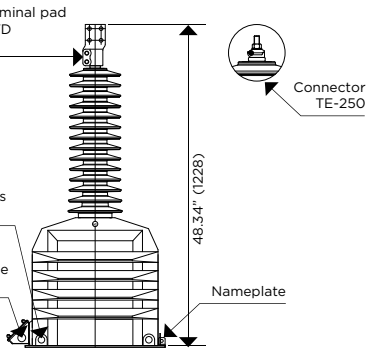
### Mechanical characteristics

Insulation Material	Colors	Weight (lbs.)	Creepage distance (in)	Strike distance (in)
Resin	Gray*	381.4	92.91	43.3

Primary terminal pad  
NEMA 4 STD  
Thread 1/2"

Lifting holes  
ø3/4"

2 holes to conduit pipe  
ø1" NPT



Drawing number: 9449551

	PRIMARY TERMINAL				GROUND TERMINAL		SECONDARY TERMINAL	
CONNECTIONS								
	Type: TE-250 Material: Copper Range: 2/O TRE-250MCM	Type: NEMA-2 Material: Copper	Type: NEMA-4 Material: Copper	Type: TE-12-250 Material: Copper Range: 4TRE-250MCM			Type: Quick Connector Material: Brass	

	ONE SECONDARY	TWO SECONDARIES	ONE SECONDARY WITH TAP	TWO SECONDARIES WITH TAP
MARKING (Single Primary Ratio)				
	H1 H2 X1 X2	H1 H2 X1 X2 Y1 Y2	H1 H2 X1 X2 X3	H1 H2 X1 X2 X3 Y1 Y2 Y3

Approximate dimensions in inches (mm).  
\* Brown color available upon request.

