

URJ-24

25 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.

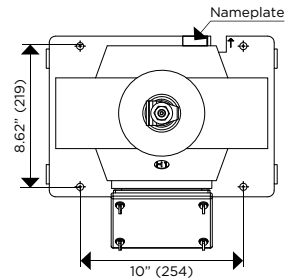
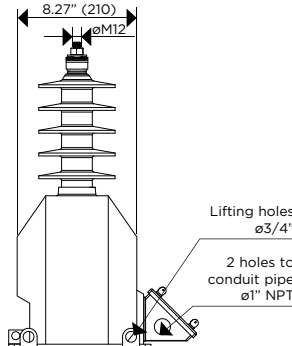
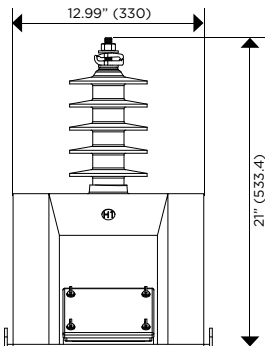
The external layer can be manufactured with Hydrophobic Cycloaliphatic Epoxy Resin (HCEP) which improves service life expectancy due to its improved tracking and erosion resistance. HCEP additionally increases the transformer's weatherability and offers better performance in heavily polluted environments.

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.)
Resin	Gray*	93



Drawing number:
Fused: 4286593 | Unfused: 4286823

CONNECTIONS

PRIMARY TERMINAL

Type: TE-4T
Material: Copper
Range: 8SOL-4TRE

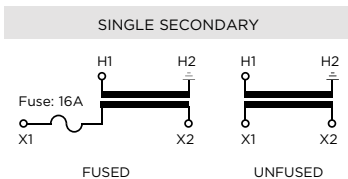
GROUND TERMINAL

Type: TE-12-250
Material: Copper
Range: 4TRE-250MCM

SECONDARY TERMINAL

Type: Quick Connector
Material: Brass

**MARKING
(Single Primary Ratio)**



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

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Electrical characteristics												Power-Frequency Withstand Voltage (1 min)		
Code (CEP)	Code (HCEP)	Ratio	Primary (V)	Secondary (V)	IEEE Metering Accuracy	Continuous Rated Voltage Factor (Un)	Rated Voltage Factor 30 s (Un)	Thermal Burden (VA)	Nominal Voltage System (kV)	BIL (kV)	Power-Frequency Withstand Voltage (1 min)			
											Primary & Secondary (kV _{rms})	Secondary Winding (kV _{rms})		
With FUSE in the secondary box														
757071060	757070000-H	60:1	7200/12470GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757071100	757070001-H	100:1	12000/20780GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757079100	757070030-H	100:1	12000/20780GY	120	0.15 W,X	1.1	1.25	1000	25	150	50	2.5		
757071110	757070002-H	110:1	13200/22860GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757079110	757070031-H	110:1	13200/22863GY	120	0.15 W,X	1.1	1.25	1000	25	150	50	2.5		
757071120	757070003-H	120:1	14400/24940GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757079120	757070032-H	120:1	14400/24250GY	120	0.15 W,X	1.1	1.25	1000	25	150	50	2.5		
757071150	757070004-H	150:1	18000/18000GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757079150	757070033-H	150:1	18000/18000GY	120	0.15 W,X	1.1	1.25	1000	25	150	50	2.5		
757071200	757070005-H	200:1	24000 /24000GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757079200	757070034-H	200:1	24000 /24000GY	120	0.15 W,X	1.1	1.25	1000	25	150	50	2.5		
Without FUSE in the secondary box														
757070060	757070015-H	60:1	7200/12470GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757070100	757070016-H	100:1	12000/20780GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757070110	757070017-H	110:1	13200/22860GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757070120	757070018-H	120:1	14400/24940GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757070150	757070019-H	150:1	18000/18000GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		
757070200	757070020-H	200:1	24000 /24000GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	150	50	2.5		

Additional ratings available upon request.

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