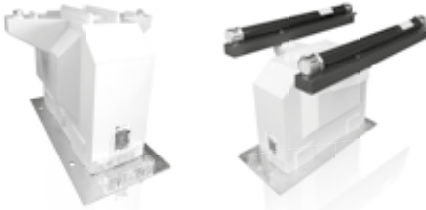


VCS-36

34.5 kV VOLTAGE TRANSFORMER

Unfused

Fused



INDOOR
60 Hertz

ARTECHE UC/UX/VC series are dry type indoor service voltage transformers. The core is encapsulated with Type B epoxy resin which provides excellent internal dielectric properties and mechanical strength, ensuring a long mechanical and electrical life. The transformer is maintenance free.

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.

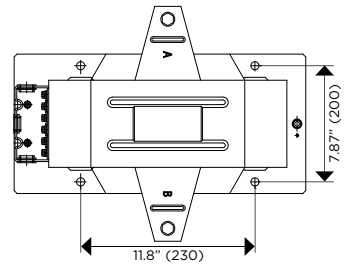
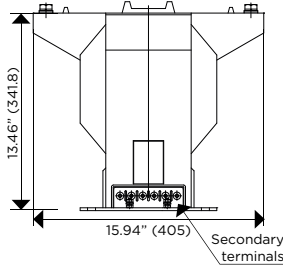
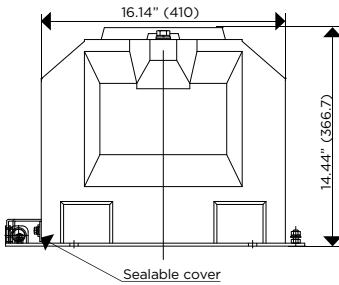


UL Recognized Component File No.:E252140

Mechanical characteristics

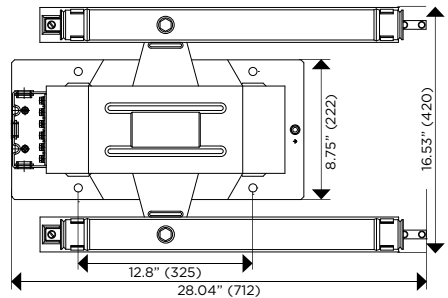
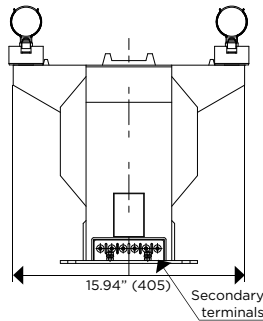
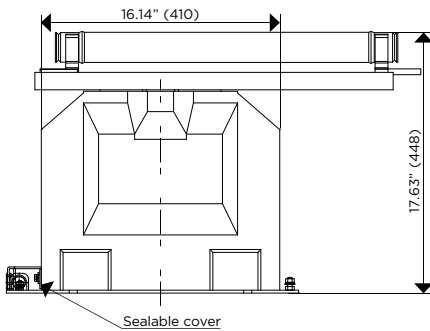
Insulation Material	Colors	Weight (lbs.)
Resin	Gray*	174

Unfused



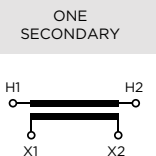
Drawing number: 4287358

Fused



Drawing number: 4286162

MARKING
(Single
Primary
Ratio)



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

VCS-36

34.5 kV VOLTAGE TRANSFORMER

Electrical characteristics

Code	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})
UNFUSED											
754610175	175:1	20125/34500Y	115	0.3 W,X,M,Y,Z	1.1	1.5	1500	34.5	200	70	2.5
754610240	240:1	27600/27600Y	115	0.3 W,X,M,Y,Z	1.1	1.5	1500	34.5	200	70	2.5
754610300	300:1	34500/34500Y	115	0.3 W,X,M,Y,Z	1.1	1.5	1500	34.5	200	70	2.5
FUSED											
754612175	175:1	20125/34500Y	115	0.3 W,X,M,Y,Z	1.1	1.5	1500	34.5	200	70	2.5
754612240	240:1	27600/27600Y	115	0.3 W,X,M,Y,Z	1.1	1.5	1500	34.5	200	70	2.5
754612300	300:1	34500/34500Y	115	0.3 W,X,M,Y,Z	1.1	1.5	1500	34.5	200	70	2.5

Additional ratings available upon request.

Notes:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....