



Indoor/Outdoor Voltage Transformer

Model JVA-0C, 10 kV BIL, 600 V



Application	
Designed for indoor and outdoor service; suitable for operating meters, instruments, relays and control devices.	
Thermal Rating (Volt-Amperes)	
55 °C Rise above 30 °C Ambient500VA
30 °C Rise above 55 °C Ambient300VA
Weight (approximate)	
Unfused19 lbs
Reference Drawings	
Outline:0122C34133
Frequency	
50/60 Hz	

Notes:

Circuit Line to Line Voltage Permissible			Transformer Rating ⁽³⁾		Accuracy Classification, 60 HZ				Catalog Number			
					Burden ⁽¹⁾		Burden ⁽²⁾		Unfused	Indoor Use Only		
$\Delta^{(1)}$	$\Upsilon^{(2)}$	$\Upsilon^{(4)}$	Primary Voltage	Ratio	W, X, M	Y	W	X			One Primary	Two Primary
120	120	208	120	1:1	0.3	0.6	0.3	0.6	760X134001	760X134064	760X134022	10A
240	240	416	240	2:1	0.3	0.6	0.3	0.6	760X134002	760X134065	760X134023	6A
--	--	480	288	2.4:1	0.3	0.6	---	---	760X134004	760X134067	760X134025	6A
--	--	480	300	2.5:1	0.3	0.6	---	---	760X134005	760X134068	760X134026	6A
480	480	--	480	4:1	0.3	0.6	0.3	0.6	760X134006	760X134069	760X134027	3A
600	600	--	600	5:1	0.3	0.6	0.3	0.6	760X134007	760X134070	760X134028	3A

- (1) Operated at rated voltage; secondary at 120 V.
- (2) Operated at 58% of rated voltage; secondary at 69.3 V.
- (3) For continuous operation, the transformer rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating.
- (4) For Y connections, it is preferred practice to connect one lead from each voltage transformer directly to the grounded neutral, using a fuse only in the line side of the primary. By this connection a transformer can never be "alive" from the line side by reason of a blown fuse on the grounded side.

Construction and Insulation

The core and coil are placed in a plastic shell made from GE Valox and encapsulated in a polyurethane.

Core & Coil

The primary and secondary coils are precision wound on an insulated spool. Once the coils are wound, a distributed gap, grain oriented silicone steel core is positioned through the center of and around the outside of this combined coil.

Primary Terminals

These compression terminals, identified as H1 and H2, are conveniently located on top of the transformer. They are fixed, tin plated, brass posts with holes to accommodate No. 6 to No. 14 wire sizes. The brass screws for securing wires to the posts are tin-plated.

Secondary Terminals

These compression terminals, identified as X1 and X2, are conveniently located on top of the transformer. They are fixed, tin plated, brass posts with holes to accommodate No. 6 to No. 14 wire sizes. The brass screws for securing wires to the posts are tin-plated.

Nameplate

The nameplate is laser engraved aluminum. It is mounted on the top of the transformer. Provision is made for attaching the user's identifying tag.

Cover

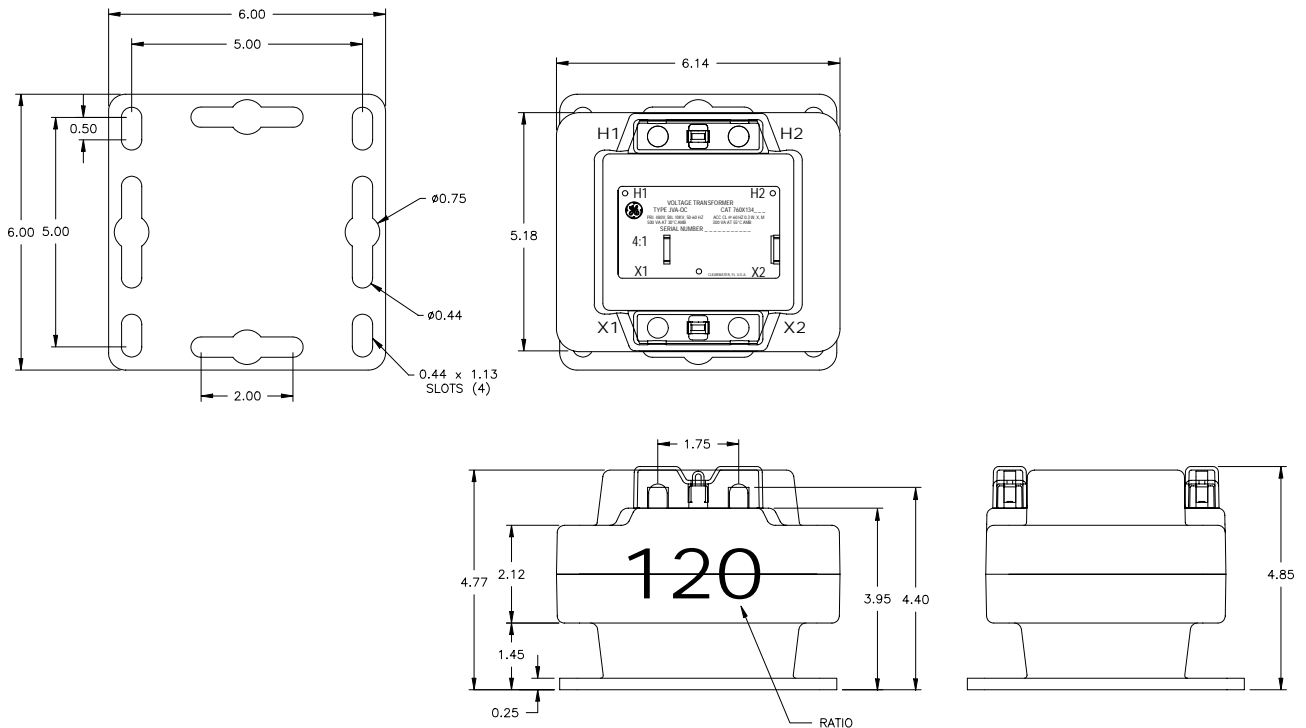
A transparent, plastic terminal cover is furnished over the primary and secondary terminals. This cover provides a safe means of observing the electrical connections without requiring its removal.

Maintenance

These transformers require no maintenance, other than occasional cleaning.

Data subject to change without notice

To purchase or obtain more information about GE Instrument Transformer products, please call GE's Charlotte Service Center at 1-800-431-7867. Product information is also available on our web site at <http://www.GEIndustrial.com>. Click on the Product Index button (right column), select Transformers and follow the menus to **Product Information** or a **Solutions Advisor**



JVA-0C Dimensions

