Indoor/Outdoor Voltage Transformer
Model JVF-0C 10kV BIL, 600V

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 Ambient .....300 VA

30°C Rise above 55°C Ambient .....200 VA

WEIGHT (Approximate)

Unfused .....11.5 lbs

REFERENCE DRAWINGS

Outline 0122C47835

FREQUENCY

50/60 Hz

JVF-0C DATA TABLE							
Line to Line Circuit Voltage			Transformer Rating (2)		ANSI Accuracy Classification 60 Hz Burden (1)		Catalog Number Unfused
Δ (1)	Y	Y (3)	Primary Voltage	Ratio	W	X	
120	120	208	120	1:1	0.3	0.6	760X136001
240	240	416	240	2:1	0.3	0.6	760X136002
--	--	480	277	2.31:1	0.3	0.6	760X136003
--	--	480	288	2.4:1	0.3	0.6	760X136004
--	--	480	300	2.5:1	0.3	0.6	760X136005
360	360	--	360	3:1	0.3	0.6	760X136008
480	480	--	480	4:1	0.3	0.6	760X136006
600	600	--	600	5:1	0.3	0.6	760X136007

Notes:

1 Operated at rated voltage; secondary at 120 V.

2 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.

3 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 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.

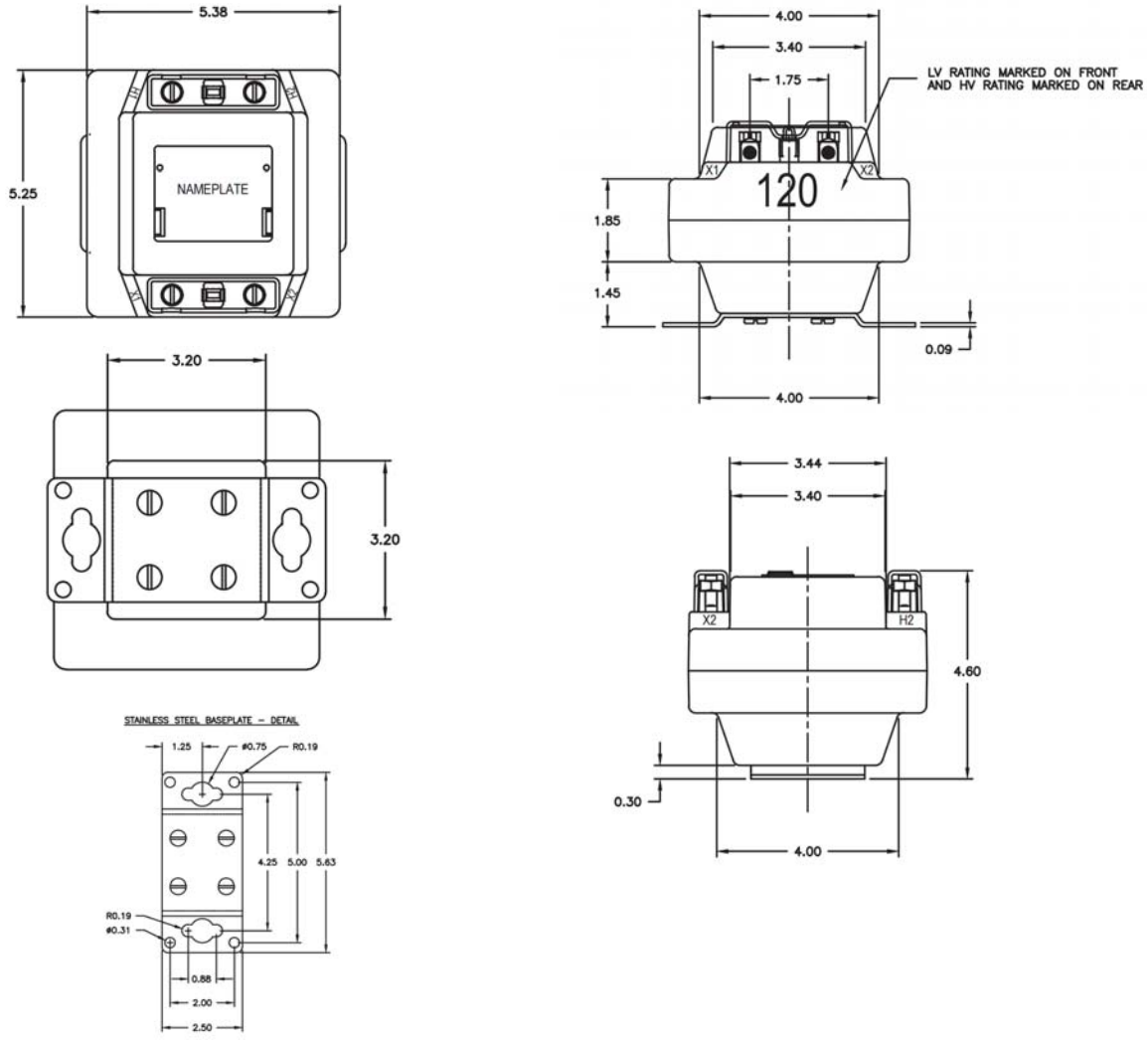
Primary Terminals
These compression terminals, identified as H1 and H2, are conveniently located on top of the transformer. They are fixed, tin plated, brass posts with holes to accommodate No. 6 to No. 14 wire sizes. The brass screws for securing wires to the posts are tin-plated.

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.

Nameplates
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.



JVF-0C Dimensions