

Model JVW-110C

Outdoor Voltage Transformer 110 kV BIL, 15 kV NSV

Application

Designed for outdoor service; suitable for operating meters, instruments, relays, and control devices.

Thermal Rating

30 °C Rise Above 30 °C Ambient.....1,000 VA
55 °C Rise Above 50 °C Ambient.....750 VA

Dimensions and Weight

Height: 15.65"
Depth: 13.36"
Width: 11.50"
Weight (Approximate).....62 lbs

Insulation Level

15.5 kV Maximum System Voltage;
110 kV BIL per IEEE C57.13

Frequency

60 Hz



General Information

The JVW-110C is manufactured in GE's Clearwater, FL. plant utilizing state-of-the-art Automated Pressure Gelation (APG) processes and Hydrophobic Cycloaliphatic Epoxy (HCEP). Insulation levels meet or exceed those specified in IEEE C57.13 and CSA CAN3-C13.

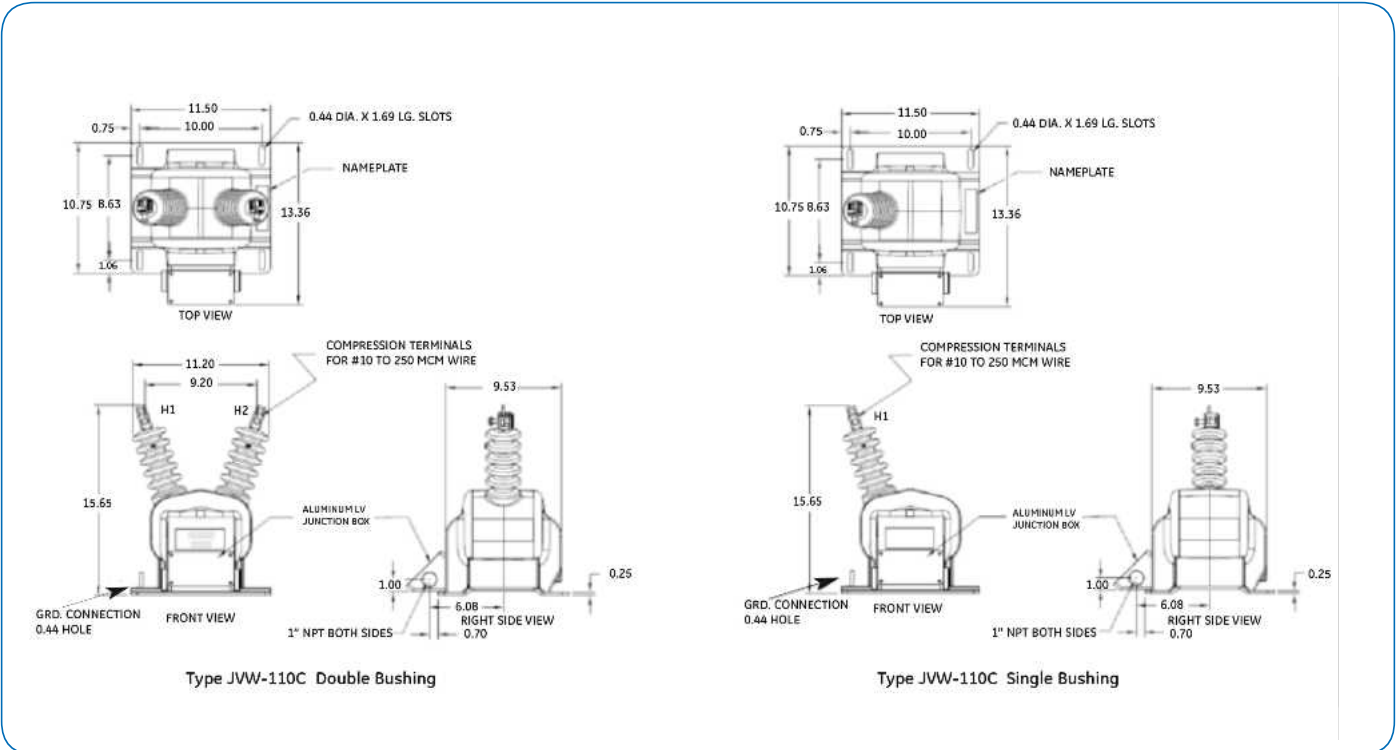
Dimensions meet IEEE C12.11. Exclusive designs, HCEP epoxy, and APG processes are combined to create a superior product. Benefits of HCEP over CEP include lower leakage currents, lower flashover probability, less discharge activity, less erosion from ultra violet (UV) radiation, enhanced thermal cycle resistance, and ultimately better reliability and improved life expectancy.

JVW-110C

Rated Primary Voltage	Ratio	IEEE Metering Accuracy	Rated Voltage Factor	Thermal Rating (VA @ 30 °C. amb)	Catalog Number
Single Bushing					
7,200/12,470GY	60:1	0.3 W, X, M, Y	1.1	1,000	765C131101
7,620/13,200GY	63.5:1	0.3 W, X, M, Y	1.1	1,000	765C131102
8,400/14,560GY	70:1	0.3 W, X, M, Y	1.1	1,000	765C131103
Double Bushing					
7,200/12,470GY	60:1	0.3 W, X, M, Y	1.1	1,000	765C131201
7,620/13,200Y	63.5:1	0.3 W, X, M, Y	1.1	1,000	765C131202
8,400/14,560Y	70:1	0.3 W, X, M, Y	1.1	1,000	765C131203
12,000/1,2000Y	100:1	0.3 W, X, M, Y	1.1	1,000	765C131204
13,200/13,200Y	110:1	0.3 W, X, M, Y	1.1	1,000	765C131205
14,400/14,400Y	120:1	0.3 W, X, M, Y	1.1	1,000	765C131206



Type JVW-110C Single Bushing



General Construction

- Insulation - Hydrophobic Cycloaliphatic Epoxy (HCEP)
- Baseplate - Heavy gage marine grade aluminum
- Conduit box - Cast aluminum, removable, 1" threaded hubs
- Nameplate - Anodized aluminum
- Mounting - Horizontal, Vertical, Inverted

HCEP Resin Features

- Ideal for outdoor applications
- Excellent water repellent characteristics
- High mechanical properties
- Excellent dielectric properties - stable in outdoor humid conditions
- Enhanced thermal cycle resistance
- High resistance to erosion from ultra violet (UV) radiation
- High tracking and arc resistance
- Extended service life

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