GE Grid Solutions

Model JVM-3
Indoor Voltage Transformer
2,400 V to 4,800 V, BIL 60 kV, 50/60 Hz

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

Regulatory Agency Approvals
UL Recognized ......................... File E178265

Thermal Rating (Volt-Amperes)
55 °C Rise above 30°C Ambient ..........750
55 °C Rise above 30°C Ambient ..........500

Weight
(approximate, in pounds)
Unfused ........................................35/30
With Fuses ......................................38/33

JVM-3 Data Table

<table>
<thead>
<tr>
<th>Line-To-Line Circuit Voltage for Permissible Primary Connection</th>
<th>Transformer Rating</th>
<th>ANSI Accuracy Classification, 60 Hz</th>
<th>Primary Fuse Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Primary Voltage</td>
<td>Ratio</td>
<td>Operated at Rated Voltage</td>
</tr>
<tr>
<td>Unfused</td>
<td>2,400</td>
<td>4,160</td>
<td>2400 20:1 0.3 W, X, M, Y: 1.2 Z</td>
</tr>
<tr>
<td></td>
<td>2,400</td>
<td>4,200</td>
<td>2400 35:1 0.3 W, X, M, Y: 1.2 Z</td>
</tr>
<tr>
<td></td>
<td>4,800</td>
<td>4,800</td>
<td>4800 40:1 0.3 W, X, M, Y: 1.2 Z</td>
</tr>
<tr>
<td>With One Primary Fuse</td>
<td>2,400</td>
<td>2,400</td>
<td>2400 20:1 0.3 W, X, M, Y: 1.2 Z</td>
</tr>
<tr>
<td></td>
<td>4,200</td>
<td>4,200</td>
<td>4200 35:1 0.3 W, X, M, Y: 1.2 Z</td>
</tr>
<tr>
<td></td>
<td>4,800</td>
<td>4,800</td>
<td>4800 40:1 0.3 W, X, M, Y: 1.2 Z</td>
</tr>
<tr>
<td>With Two Primaries</td>
<td>2,400</td>
<td>2,400</td>
<td>2400 20:1 0.3 W, X, M, Y: 1.2 Z</td>
</tr>
<tr>
<td></td>
<td>4,200</td>
<td>4,200</td>
<td>4200 35:1 0.3 W, X, M, Y: 1.2 Z</td>
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<td>4,800</td>
<td>4,800</td>
<td>4800 40:1 0.3 W, X, M, Y: 1.2 Z</td>
</tr>
</tbody>
</table>

Notes:
1) 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.
2) Operated at 58 % of Rated Voltage; the prime symbol (') is used to signify that these burdens do not correspond to standard ANSI definitions.
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.
4) Measurement Canada Approval: AE-0372
The page contains sections on dimensions of the JVM-3 transformer. It includes diagrams showing the dimensions in both inches and centimeters. The text refers to various parts of the transformer:

**Construction and Insulation**
Please refer to General Product Information, item 1.8.

**Core**
Please refer to General Product Information, item 2.3.

**Coils**
Please refer to General Product Information, item 3.8.

**Primary Terminals**
Please refer to General Product Information, item 4.2.

**Fuses**
Current-limited, Type EJ-1 fuses are used.

**Secondary Terminals**
Please refer to General Product Information, item 4.12.

**Polarity**
Please refer to General Product Information, item 7.2.

**Baseplate and Mounting**
Please refer to General Product Information, item 5.5.

**Nameplate**
Please refer to General Product Information, item 6.5.

**Maintenance**
Please refer to General Product Information, item 10.1 and pages 24-27.