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

Thermal Rating (Volt-Amperes)
55°C Rise above 30°C Ambient ........................................ 1500

ANSI Meter Accuracy Classification, 60 Hz
Operated at rated voltage
W, X, M, Y, Z; all models .................................................. 0.3
ZZ; all models ................................................................. 1.2
Operated at 58% of rated voltage (2)
W, X, M, Y; all models .................................................... 0.3
Z; all models ................................................................. 1.2
Burden impedance as at rated voltage, but operated at 58% of rated voltage (3)
W', X', M', Y', Z'; all models ........................................ 0.3

Weight - Shipping/Net
(approximate, in pounds)
Transformer .......................................................... 120/105

Reference Drawings
JVW-4
Accuracy Curve at
120 Secondary Volts, 60 Hz ........................................ 9689241659
Excitation Curves:
60:1 & 70:1 ................................................................ 9689241591
100:1 & 120:1 ............................................................ 9689241629
Outline Drawing; Two-Bushing
Transformer ................................................................. 9932529
Wiring Diagram ......................................................... refer to page 42, figure 5

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 for two-bushing models, and 1.40 times the rating for single-bushing models.
(2) Applies to transformers connected Y-Y on a circuit in which the line-to-line voltage is the same as the transformer-rated primary voltage. In each case, the transformer is operated with reduced voltage and reduced excitation (58% of normal). In determining the accuracy classification under such conditions, the Volt-Ampere rating of the burden is maintained constant, regardless of the transformer secondary voltage.
(3) The prime symbol (') is used to signify that these burdens do not correspond to standard ANSI definitions.
(4) Single-bushing design with removable grounding strap.
(5) 12,470 in Y configuration.
(6) 14,560 in Y configuration.

JVW-4/JVW-5 DATA TABLE

<table>
<thead>
<tr>
<th>Circuit Voltage</th>
<th>Transformer Rating (Volt-Ampere)</th>
<th>Catalog Number</th>
</tr>
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<tbody>
<tr>
<td>For Permissible</td>
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<td>JVW-4</td>
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<tr>
<td>Primary Connection</td>
<td>Voltage</td>
<td>Ratio</td>
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<tr>
<td>∆/Y</td>
<td>Y Only</td>
<td>GY Only</td>
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<td>8400</td>
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<td>12,000</td>
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</table>
JVW-5
Accuracy Curve at
120 Secondary Volts, 60 Hz ....................... 9689241659
Excitation Curves:
60:1 & 70:1 ............................................. 9689241591
100:1 & 120:1 ........................................... 9689241629
Outline Drawings:
Two-Bushing Model ................................. 9932529
Single-Bushing Model .............................. 9932530
Wiring Diagram ..................................... refer to page 42, figure 5

Accessories ............................ Catalog Number
Mounting Hardware
“L” Mounting Brackets ............................ 8944634002
Channel Bracket .................................. 5466227001
Suspension Hooks ................................. 8944630001
Secondary Conduit Box ......................... 9689897001

Construction and Insulation
Please refer to General Product Information, item 1.4.

Core and Coils
Please refer to General Product Information, item 3.8.

Primary
Terminals
Please refer to General Product Information, item 4.6.

Secondary
Terminals
Please refer to General Product Information, item 4.18.

Ground Terminal
Please refer to General Product Information, item 4.23.

Conduit Box
Please refer to General Product Information, item 12.1.

Polarity
Please refer to General Product Information, item 7.2.

Baseplate and Mounting
Please refer to General Product Information, items 5.3, 5.15, and the Applications Information Section of this volume.

Nameplate
Please refer to General Product Information, item 6.4.

Rating Identification
Please refer to General Product Information, item 13.1.

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

Note:
1. Voltage transformers of this type are available for use in 50 Hz applications in many ratings. However, Industry Standard IEEE 57.13 to which we test transformers does not apply at 50 Hz. Customers who order voltage transformers for 50 Hz application should provide an accuracy specification including Burden VA and Power Factor. If an accuracy specification is not made available, the transformer(s) will be tested at 60 Hz with test burdens as defined in IEEE 57.13 for 60 Hz application.