20,125 V to 34,500 V
Outdoor Voltage

JVW-7

60 Hz

ACCUBUTE AVAILABLE

When choosing your GE Instrument Transformer, don't forget to explore the benefits of using GE's 0.15 accuracy class AccuBute line. **See page 37.**

JVW-7 single-bushing model

Application

Designed for outdoor service; the Type JVW-7 is a metering voltage transformer specifically designed to meet the requirements of outdoor metering applications.

Thermal Rating (Volt-Amperes)

55°C Rise Above 30°C Ambient; all models 750

Weight - Shipping/Net

(approximate, in pounds)

Transformer ..... 155 / 140

Reference Drawings

Accuracy Curve at
120 Secondary Volts, 60 Hz 9689241894
Excitation Curve 9932600160
Outline Drawings:
- Model Number 767X031001 9932423
- Model Number 767X031002 9932424
- Model Number 767X031003 9932424
- Model Number 767X031004 9932424
- Model Number 767X031005 9935406
- Model Number 767X031006 9935406
- Model Number 767X031007 9935406
- Model Number 767X031011 9935407
- Model Number 767X031012 9935408

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

JVW-7 DATA TABLE

Line-To-Line Circuit Voltage For Permissible Primary Connection				Transformer Rating ①			ANSI Accuracy Classification, 60 Hz			
							Burden Per ANSI		Burden Impedance as at Rate Voltage but Operated at 58% Rated Voltage ③	
Δ	Y	Y Only	GY Only ①	Primary Voltage	Ratio	BIL (kV)	Operated at Rated Voltage	Operated at 58% of Rated Voltage		Catalog Number
Single Bushing Model										
---	---	---	34,500	20,125	175:1	200	0.3 W, X, M, Y	---	---	**767X031001**
---	---	---	34,500	20,125	175/300:1	200	0.3 W, X, M, Y	---	---	**767X031011**
---	---	---	34,500	20,125	175 & 300:1	200	0.3 W, X, M, Y	---	---	**767X031012**
Two-Bushing Model										
27,600 ②	27,600 ②	---	---	27,600	240:1	150	0.3 W, X, M, Y	0.3 W, X; 1.2 M, Y	0.3 W', X', M', Y'	**767X031002**
34,500 ②	34,500 ②	---	---	34,500	300:1	150	0.3 W, X, M, Y	0.3 W, X; 1.2 M, Y	0.3 W', X', M', Y'	**767X031003**
23,000 ②	23,000 ②	---	---	23,000	200:1	150	0.3 W, X, M, Y	0.3 W, X; 1.2 M, Y	0.3 W', X', M', Y'	**767X031004**
27,600 ②	27,600 ②	---	---	26,700	240 & 240:1	150	0.3 W, X, M, Y	0.3 W, X; 1.2 M, Y	0.3 W', X', M', Y'	**767X031005**
34,500 ②	34,500 ②	---	---	34,500	300 & 300:1	150	0.3 W, X, M, Y	0.3 W, X; 1.2 M, Y	0.3 W', X', M', Y'	**767X031006**
23,000 ②	23,000 ②	---	---	23,000	200 & 200:1	150	0.3 W, X, M, Y	0.3 W, X; 1.2 M, Y	0.3 W', X', M', Y'	**767X031007**

Notes:

① These single bushing transformers are suitable for operation line-to-ground only on effectively grounded systems. They are the grounded-neutral terminal type, and are capable of operation at 1.40 times the transformer-rated voltage for one minute without exceeding 175°C temperature rise. If it should become necessary to apply these grounded wye voltage transformers to an ungrounded system, refer to the nearest General Electric Sales Office for a system analysis study.

② These two-bushing transformers are designed for operation line-to-line. They may also be operated line-to-ground or line-to-neutral at reduced voltage (58% of rated voltage).

③ The prime symbol (') is used to signify that these burdens do not correspond to standard ANSI definitions.

Data subject to change without notice.

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

Core
Please refer to General Product Information, item 2.4.

Coils
Please refer to General Product Information, item 3.2.

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 7.1.

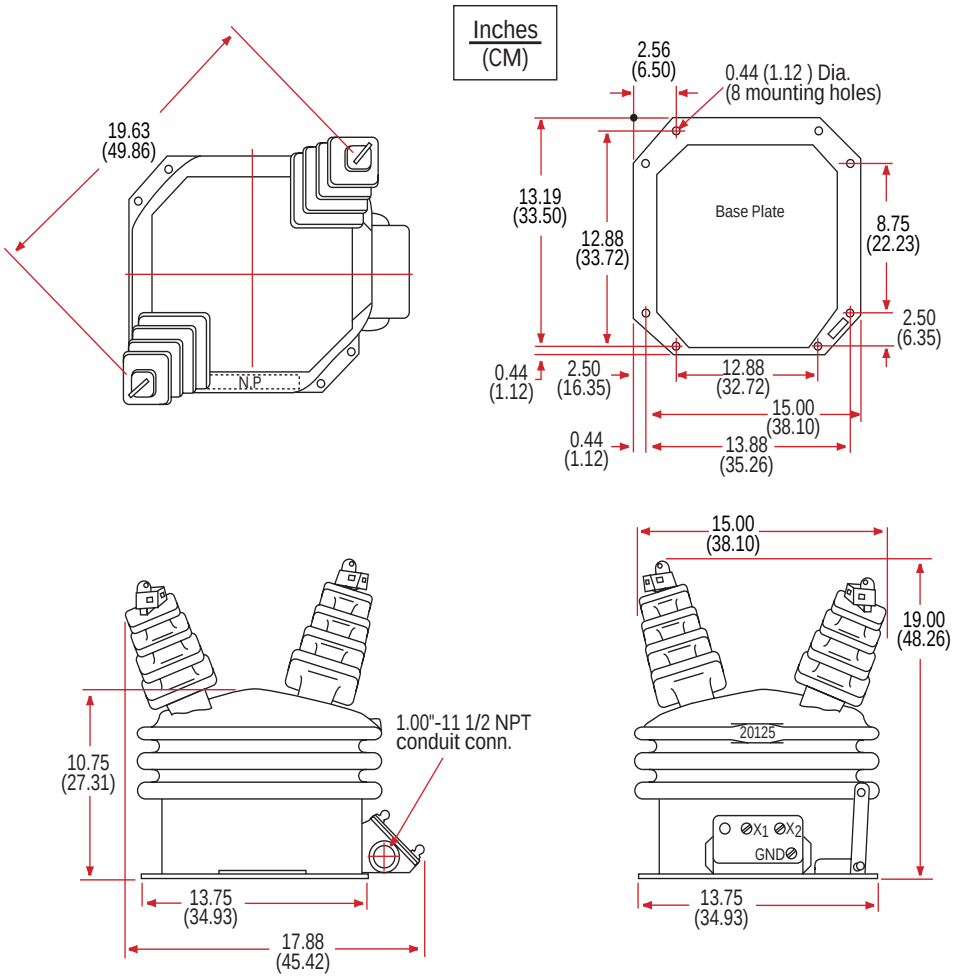
Baseplate and Mounting
Please refer to General Product Information, item 5.3, 5.15 and the Applications Information Section of this volume.

Nameplate
Please refer to General Product Information, item 6.2.

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.



JVW-7 mechanical dimensions (two-bushing model shown)