

MODELS JCW-3/ JCW-4/JCW-5

Outdoor Current Transformers

600 A to 4,000 A, 50/60 Hz
5,000 V to 15,000 V, BIL 60 kV to 110 kV

Application

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

ANSI Meter Accuracy Classification, 60 Hz

B-0.1 through B-1; all models.....0.3
B-2.....refer to data table

Weight

(approximate, in pounds)
Transformer.....123/111 lbs



JCW-3 and -4 Current Transformer JCW-5 Current Transformer



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

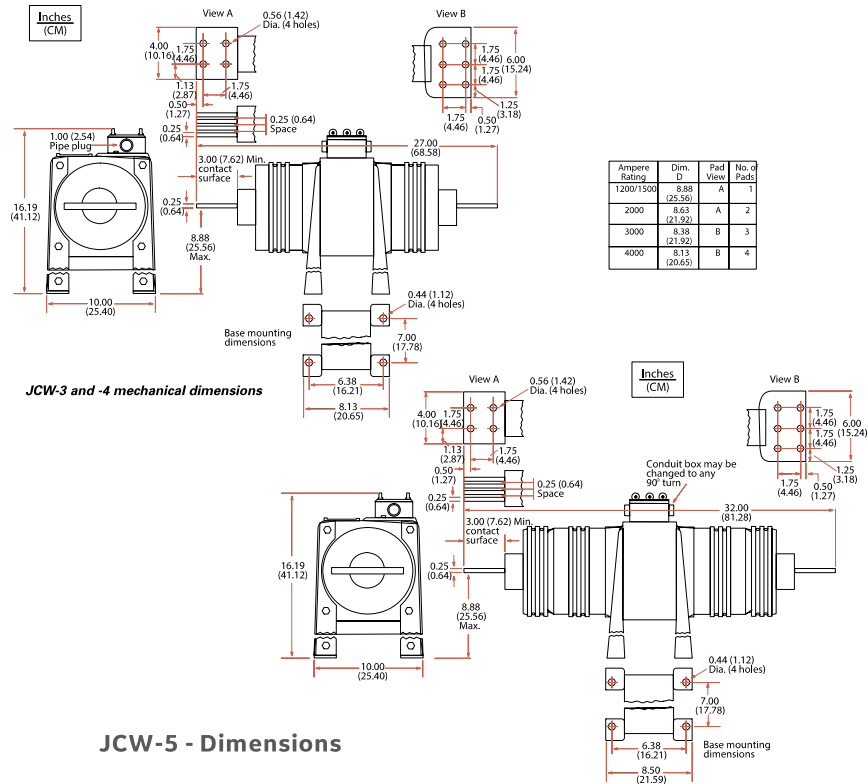
Reference Drawings

Accuracy Curves at 60 Hz:	
1,200:5.....	9689241017
1,500:5.....	9689241018
2,000:5.....	9689241019
3,000:5.....	9689241021
4,000:5.....	9689241022
600/1,200:5.....	9689241023 & 9689241024
750/1,500:5.....	9689241025 & 9689241026
1,000/2,000:5.....	9689241027 & 9689241028
1,500/3,000:5.....	9689241029 & 9689241030
2,000/4,000:5.....	9689241031 & 9689241032
Excitation Curves:	
1,200:5.....	H9689241126
1,500:5.....	H9689241127
3,000:5.....	H9689241124
4,000:5.....	H9689241130
Outline Drawings:	
JCW-3 & JCW-4 Transformer.....	8949931
JCW-5 Transformer.....	8949932
Wiring Diagram.....	refer to page 41, figure 3

JCW-3/JCW-4/JCW-5 Product Data

CURRENT RATIO (Amps) PRI: Sec	ANSI ACCURACY CLASS, 60 Hz		CONTINUOUS THERMAL CURRENT RATING FACTOR 30°C AMBIENT	ONE-SECOND THERMAL LIMIT, AMPERES	CATALOG NUMBER		
	METER CLASS, BURDEN B-2	RELAY CLASS			JCW-3 5,000 V BIL 60 kV	JCW-4 8,700 V BIL 75 kV	JCW-5 15,000 V BIL 110 kV
Single Ratio							
1,200:5	0.3	C200	1.33	55,000	753X030003	754X030003	755X030003
1,500:5	0.3	C200	1.33	69,000	753X030004	754X030004	755X030004
2,000:5	0.3	C200	1.33	148,000	753X030005	754X030005	755X030005
3,000:5	0.3	C200	1.33	279,000	753X030007	754X030007	755X030007
4,000:5	0.3	C200	1.0	456,000	753X030008	754X030008	755X030008
Dual Ratio							
600/1,200:5	0.6	C100	2.0	55,000	753X030009	754X030009	755X030009
	0.3	C200	1.33				
750/1,500:5	0.6	C100	2.0	69,000	753X030010	754X030010	755X030010
	0.3	C200	1.33				
1,000/2,000:5	0.6	C100	2.0	148,000	753X030011	754X030011	755X030011
	0.3	C200	1.33				
1,500/3,000:5	0.3	C100	2.0	279,000	753X030012	754X030012	755X030012
	0.3	C200	1.33				
2,000/4,000:5	0.3	C100	2.0	456,000	753X030013	754X030013	755X030013
	0.3	C200	1.0				

JCW-3 and JCW-4 - Dimensions



Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.2.

Primary Terminals

Please refer to General Product Information, item 4.9.

Winding

Please refer to General Product Information, item 3.4.

Secondary Winding

Please refer to General Product Information, item 3.4.

Terminals

Please refer to General Product Information, item 4.16.

Conduit Box

Please refer to General Product Information, item 12.2.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

Please refer to General Product Information, item 5.13.

Nameplate

Please refer to General Product Information, item 6.1.

Maintenance

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

Mechanical Rating

Mechanical limits are omitted since, if bar-primary type transformers are properly installed, their mechanical strength is nearly unlimited.

For more information, visit
gevernova.com/grid-solutions

Instrument Transformers LLC reserve the right to change specifications of described products at any time without notice and without obligation to notify any person of such changes.