

TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA, September 5, 1958.

TYPE APPROVALCANADIAN GENERAL ELECTRIC TYPE "ES-" VOLTAGE TRANSFORMERS

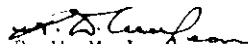
The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chap. 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Type "ES-" Voltage Transformers, manufactured by the Canadian General Electric Company Limited, Toronto, Ontario.

Rating of Apparatus:

Primary Voltage Ratings and Ratio	Type	Primary Voltage	Ratio	System Voltage Line to Line
	ES-25	13280	200/120-1	23,000
	ES-34.5	19200	300/175-1	34,500
	ES-46	26600	400/240-1	46,000
	ES-69	39800	600/350-1	69,000
	ES-115	66400	1000/600-1	115,000
	ES-115	66400	1000/1000-1	115,000
	ES-138	79700	1200/700-1	138,000
	ES-138	79700	1200/1200-1	138,000
Secondary Voltage	66.4/115 approx. or 66.4/66.4			
Accuracy Class	0.3 WXYZ			
Phase	1			
Frequency	60 cycles			
Style	Outdoor, Oil-Filled.			

Description: These voltage transformers are designed for outdoor service in the operation of meters, relays and control devices. The single high-voltage bushing is of porcelain shell construction. The interior of the porcelain shell opens to the transformer tank and is filled with transformer oil. A metal chamber mounted on top of the bushing shell provides for expansion of the oil during changes in temperature. The cores are of high grade, grain-oriented silicon steel. The primary winding is of the continuous layer-wound type. Two separate secondary windings in each transformer provide a double ratio.


R. W. Maclean,
Director,
Standards Division.

Ref: A-777


E. F. Power,
Assistant Director (E&G),
Standards Division.



CANADIAN GENERAL ELECTRIC TYPE "ES" VOLTAGE TRANSFORMER

