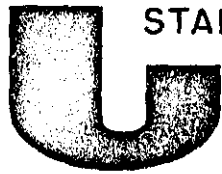




Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

## NOTICE OF APPROVAL

T-63

OTTAWA May 27, 1971

### ① ASEA TYPE "EMFC145" VOLTAGE TRANSFORMERS

Primary Voltage	69000 volts
Secondary Voltage	115 and 69 volts
Ratios	600-1000:1
Nominal Voltage Class	115 kv
Accuracy Rating at 60 Hz	0.3WXYZ, ②, 0.6ZZ; 0.6Z-0.6Z
Number of Secondaries	2 untapped
Frequency	60 Hz
Style	Post type, oil insulated, outdoor
Terminals to be used	
high ratio (1000:1)	X1-X2
low ratio (600:1)	Y1-Y2

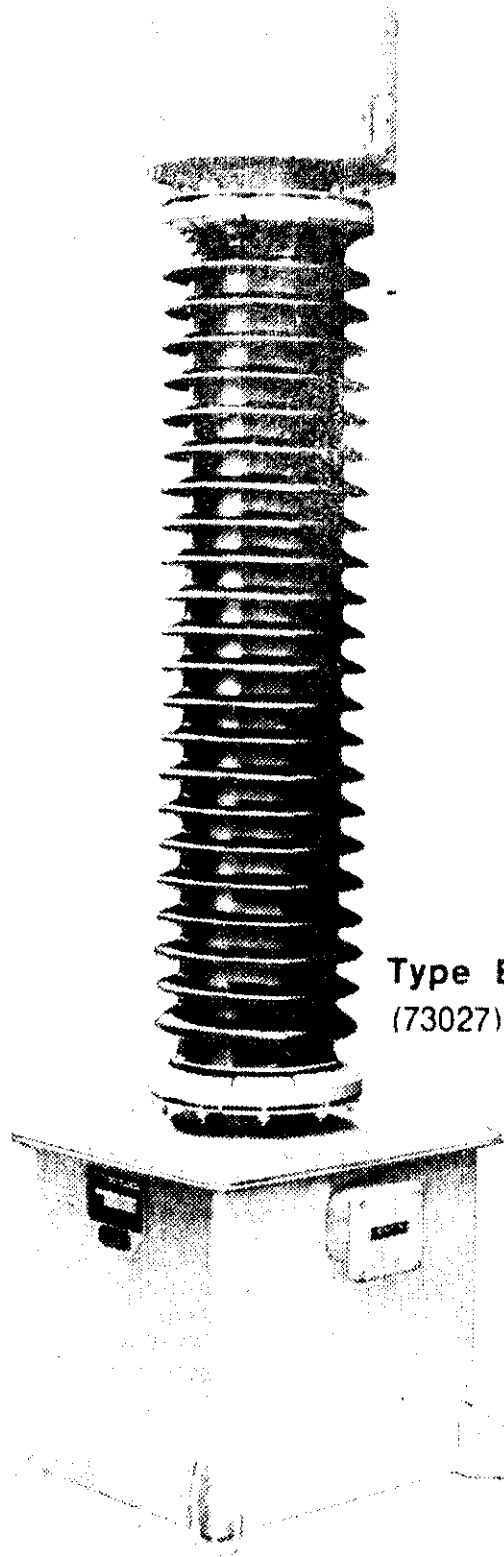
- (1) Catalogue number LM 511 048-C  
(2) Nameplates are marked 0.3WXYZ

The metering accuracy rating 0.3WXYZ, 0.6ZZ applies to the secondary winding when the tertiary winding is not loaded, to the tertiary winding when the secondary is not loaded, and to both windings when the designated burden is divided in any proportion between the two windings, and 0.6Z-0.6Z applies to the secondary winding when the tertiary winding is loaded with Z burden or vice versa.

#### Description

The type EMFC145 voltage transformers comprise a base, the voltage transformer core and windings, and a porcelain insulator on top of which is an expansion chamber.

After assembly the transformers are dried under vacuum and heat and are filled with air-free oil under vacuum. The expansion chamber is filled with nitrogen.



Type EMFC 145  
(73027)

The expansion chamber is protected by a hood on the top of which is attached the clamp type primary terminal.

Secondary terminals are contained within a terminal box at the side of the base.

The primary winding is a multi-layer coil of double-enamelled wire with insulation of special paper between the layers which are graded to give even voltage distribution.

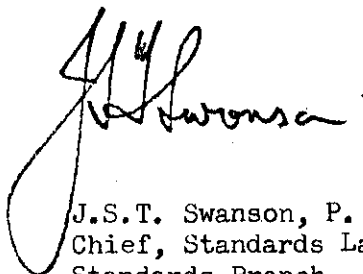
The primary grounding terminal is a clamp type positioned on the outside of the transformer.

Each transformer has two untapped secondary windings that produce, with rated primary voltage, 115 volts from terminals Y1-Y2 and 69 volts from terminals X1-X2.

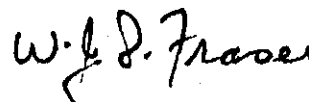
In both cases, the secondary terminal with the lower suffix of the pair has the same polarity as the primary terminal H1 which is on the top of the hood.

Approval granted to:

ASEA Limited,  
Malton, Ontario.



J.S.T. Swanson, P. Eng.,  
Chief, Standards Laboratory,  
Standards Branch.



W.J.S. Fraser,  
Chief, Electricity & Gas Division,  
Standards Branch.

REF: SL-100-384  
SE-85-18

ASEA TYPE "EMFC145" VOLTAGE TRANSFORMERS

