



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



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

T-62

OTTAWA May 26, 1971

① ASEA TYPE "EMFC72" VOLTAGE TRANSFORMERS

Primary Voltage	42000 volts
Secondary Voltage	120 and 70 volts from each secondary
Ratios	350/600:1, 350/600:1
Nominal Voltage Class	69 kv ②
Accuracy Rating at 60 Hz	0.3WXY, 0.6Z, 1.2ZZ; 0.6Z-0.6Z
Number of Secondaries	2, each tapped
Frequency	60 Hz
Style	Post type, oil insulated, outdoor

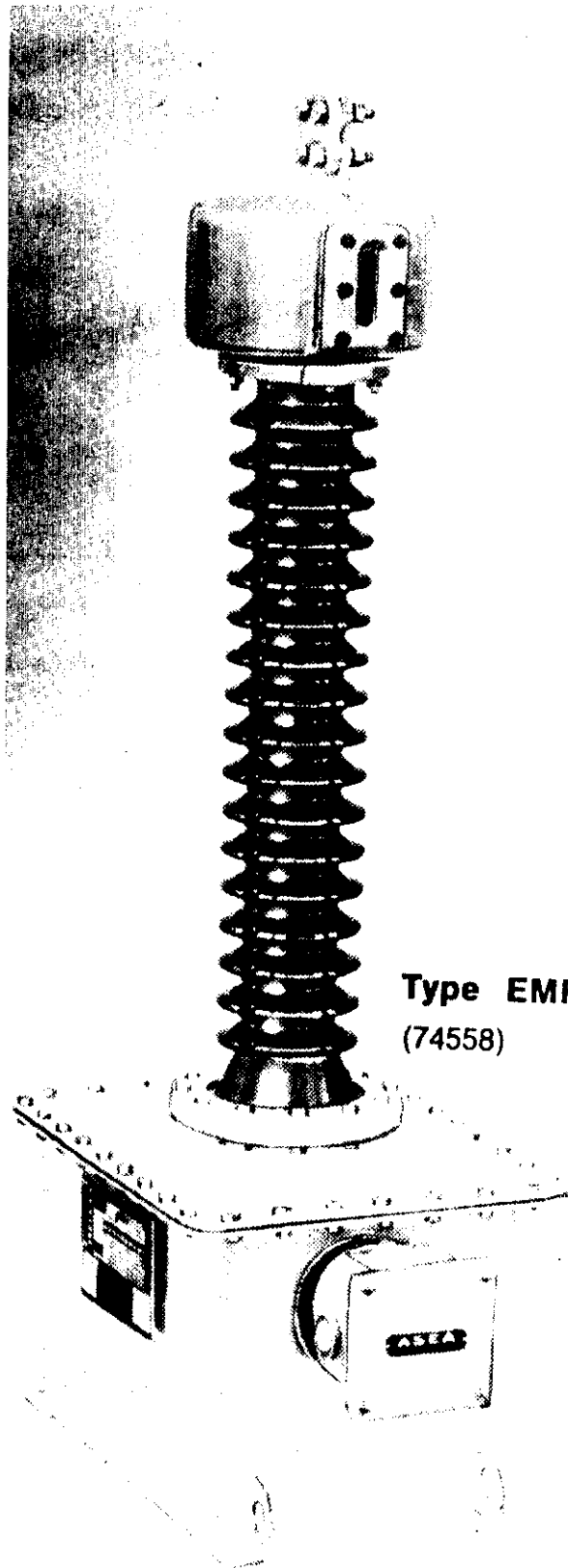
- (1) Catalogue number LM 511 046B
- (2) Nameplates are marked 0.3Y, 0.6Z

The metering accuracy rating is 0.3WXY, 0.6Z, 1.2ZZ on either the full winding or the tap, and applies to the secondary when the tertiary winding is not loaded, to the tertiary when the secondary winding 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 on either the full winding or the tap applies to the secondary winding when the tertiary winding is loaded with Z burden or vice versa.

Description

The type EMFC72 voltage transformers comprise a base containing the voltage transformer core and windings, and a porcelain insulator on the top of which is an expansion chamber.

Primary connections are clamp type on the top of the hood.



Type EMFC 72
(74558)

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.

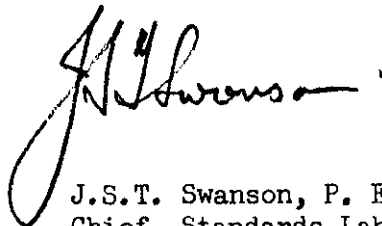
Secondary terminals are contained within a terminal box on the side of the base.

Each transformer has two identical tapped secondary windings that produce, with rated primary voltage, 120 volts from terminals X1-X3 and Y1-Y3 and 69.3 volts from terminals X2-X3 and Y2-Y3.

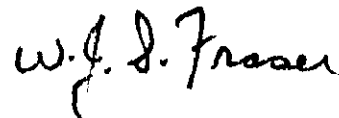
In all cases, the secondary terminal with the lower suffix of the pair has the same polarity as the primary terminal H1 which is on the top of the hood.

Approval granted to:

ASEA Limited,
Malton, Ontario.



J.S.T. Swanson, P. Eng.,
Chief, Standards Laboratory,
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W.J.S. Fraser,
Chief, Electricity and Gas Division,
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Ref: SL-100-384
SE-85-18

ASEA TYPE "EMFC72" VOLTAGE TRANSFORMERS

	ASEA Made in Sweden Fabriqué en Suède		Spänningstransformator Voltage transformer		
	EMFC 72		N	60 Hz	
	Insul. level 350 kV		Rules CSA C 13-1970		
	Total weight				
	Ratio 600-350 : 1 : 1				
	H1 - H2	X2 - X3	Y2 - Y3	X1 - X3	Y1 - Y3
	42,000	70	120		
	ACCURACY RATING		0.3 WXY, 0.6 Z		