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NOTICE OF APPROVAL
AVIS D'APPROBATION

T-110

Ottawa, April 6, 1976

H. K. PORTER TYPES "TN-25", "TN-35", "TN-46" AND "TN-69" VOLTAGE TRANSFORMERS

TYPE	VOLTAGE CLASS	BIL.	PRIMARY VOLTS	SECONDARY VOLTS	RATIOS
TN-25	25 kv	150	13800	115/69	120-200:1
		150	14400	120/72	120-200:1
TN-35	34.5 kv	200	18150	110/66	165-275:1
		200	21000	120/70	175-300:1
TN-46	46 kv	250	27600	115/69	240-400:1
TN-69	69 kv	350	34500	115/69	300-500:1
		350	36300	110/66	330-550:1
		350	42000	120/70	350-600:1

Number of secondary windings: 1 or 2, tapped or untapped

Accuracy rating at 60 Hz (1) 0.3 W,X,Y,Z; 0.6 ZZ; 0.6 Z - 0.6 Z

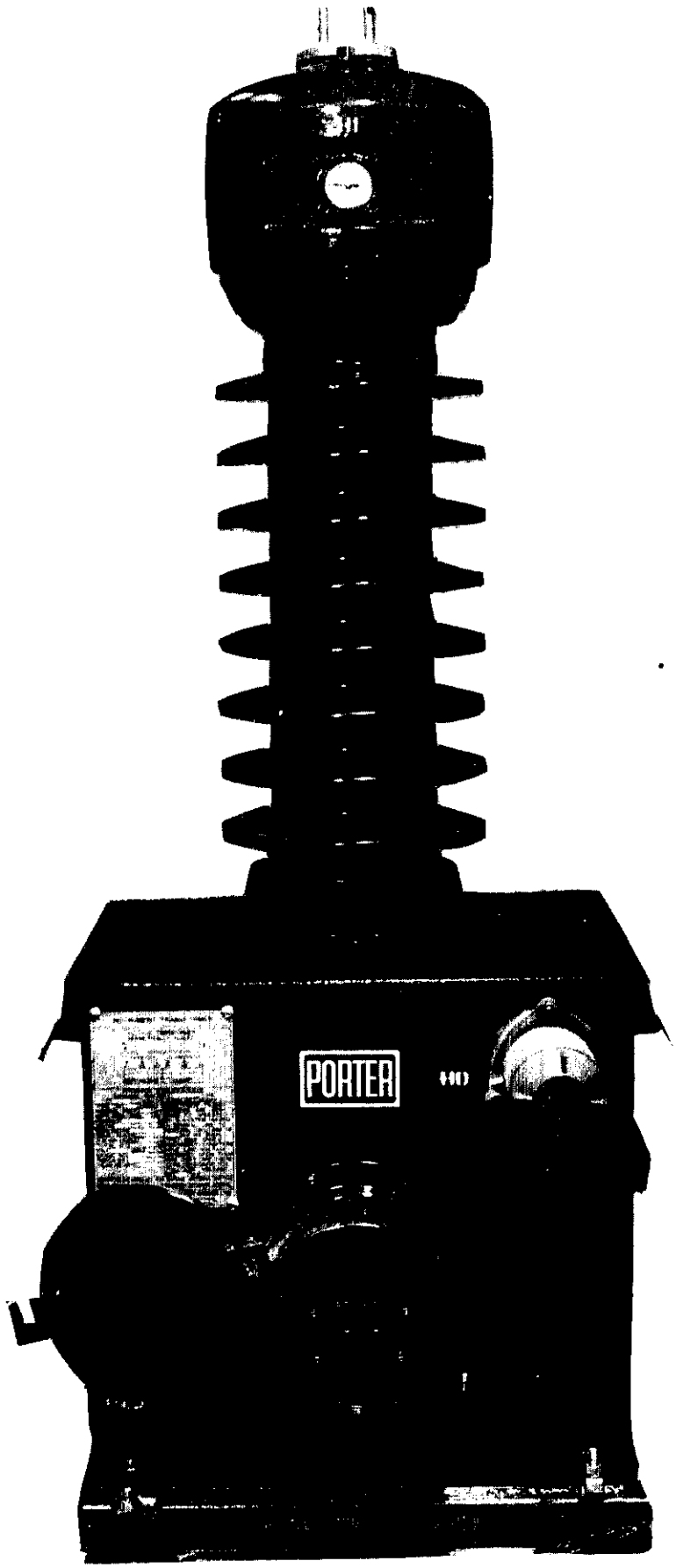
Frequency 60 Hz

Secondary terminals

Low ratio	* X1 - X3	* Y1 - Y3
High ratio	* X2 - X3	* Y2 - Y3

* Marked terminals (same polarity as "H1")

(1) The nameplates are marked 0.3 W, X, Y, Z; 0.6 ZZ.
The accuracy rating is 0.3 W, X, Y, Z; 0.6 ZZ on either the full winding or the tap and applies to the secondary winding when the tertiary winding is not loaded; to the tertiary winding when the secondary winding is not loaded, and to both windings when the designated burden is divided in any proportion between them; and 0.6 Z - 0.6 Z 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.



TYPE "TN-69"

Description

The Type TN are post-type oil insulated transformers designed for outdoor use.

The primary winding, which consists of a multi-layer coil with graded insulation, has its inner and outermost layers connected to a split static shield to ensure an even voltage distribution over the entire winding.

The one-piece high voltage bushing is made of wet-process porcelain and glazed inside and out in a grey or a chocolate brown colour.

The aluminum alloy dome which is bolted to the top of the bushing, accommodates the high voltage terminal and the oil gauge.

The neutral lead is brought out through a 5 kv class bushing and connected to the wall of the steel tank which contains the oil into which the core and coil assembly is immersed.

The secondary terminals are located in a weatherproof box which is attached to the side of the tank at the bottom of the transformer.

Approval granted to: H. K. Porter Company (Canada) Limited, Woodstock, Ontario.

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