

Data Sheet no. 8.23/2

Exciter Transformers for HV Cable Testing with Variable Frequency, Type ETO

Description:

These types of exciter transformers have been developed for use in Resonant Test Systems with variable frequency for the on-site testing of cables by using high-power tank-type reactors (Data Sheet 8.12).

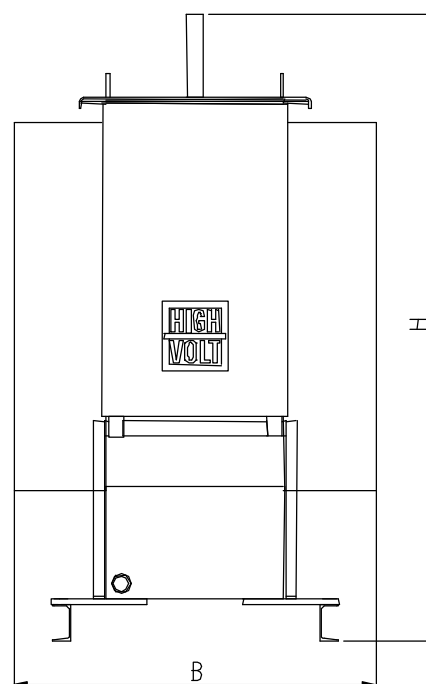
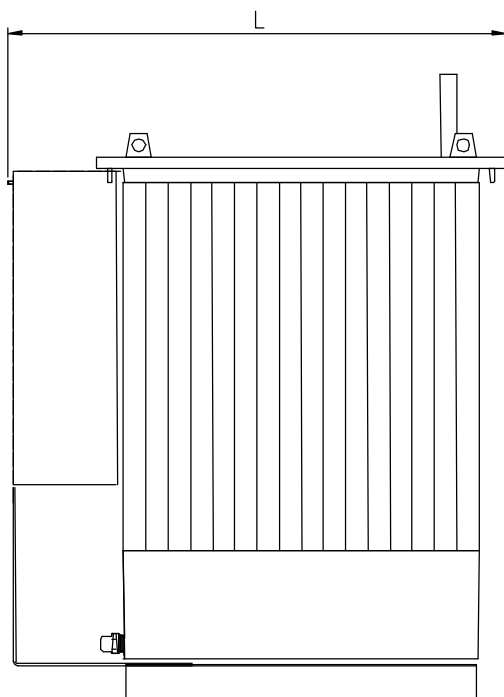
The transformers are realised in conventional hermetic tank-type design with oil-paper insulation and natural oil cooling. They are especially designed

for on-site testing including frequent transportation and outdoor operation.

Each transformer has three or more different output voltages for better adaptation of the output voltage to the requirements of the test.

The primary and secondary windings are led out through oil-air bushings. All transformers have a grounded shield between the primary and secondary winding to reduce the capacitive coupling.

Duty cycles are related to the high-power tank-type reactors.



type		ETO 89/2.5-25	ETO 58/3.9-25	ETO 50/4.4-30	ETO 48/4.6-30
Input Voltage	V	550	550	550	550
Output Voltage	kV	0.95 / 1.71 / 2.47	1.71 / 2.47 / 3.83	1.47 / 2.21 / 4.41	1.47 / 3.1 / 4.57
Output Current	A	89 / 89 / 89	80 / 80 / 57.5	100 / 100 / 50	100 / 71 / 48.2
Frequency Range	Hz	25 ... 300 Hz		30 ... 300 Hz	
Dimension (LxBxH)	mm	1350 x 990 x 1700	1270 x 990 x 1700	1350 x 990 x 1700	1350 x 990 x 1700
Weight	kg	1800	1770	1800	1800

type		ETO 100/2.2-20	ETO 48/4.6-20	ETO 72/3-20
Input Voltage	V	550	550	550
Output Voltage	kV	0.94 / 1.1 / 1.35 / 2.21	1.47 / 3.1 / 3.95 / 4.57	0.95 / 1.8 / 2.56 / 3.05
Output Current	A	200 / 200 / 164 / 100	100 / 71 / 55.6 / 48.2	83 / 83 / 83 / 72.1
Frequency Range	Hz	20 ... 300		
Dimension (LxBxH)	mm	1350 x 990 x 1870	1350 x 990 x 1870	1350 x 990 x 1870
Weight	kg	2450	2400	2400

Modification of the technical data on request

Type designation: ETO a/b-c

a – rated output current

b – rated output voltage

c – minimum frequency

For further information please contact:

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