

Data Sheet no. 8.22/2

## Exciter Transformers for MV Cable Testing with Variable Frequency, Type ET

### Description:

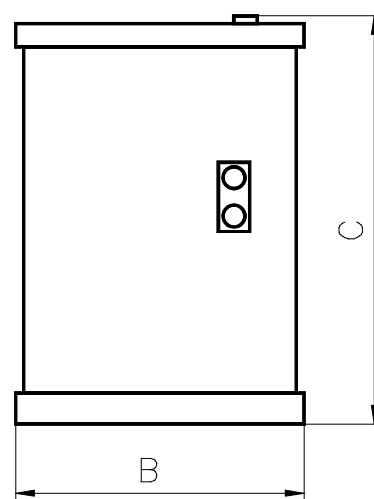
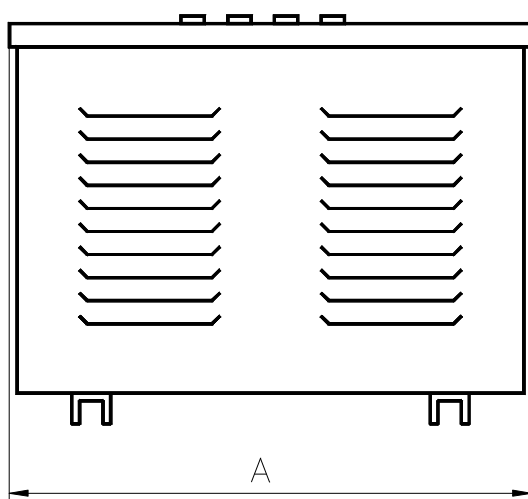
These types of exciter transformers have been developed for use in Resonant Test Systems with variable frequency for the on-site testing of medium-voltage cables by using tank type reactors (Data Sheet 8.14).

The transformers are realised in conventional design with air cooling and are covered by a steel case. They are especially designed for on-site testing

including frequent transportation and outdoor operation.

The transformers have three or more different output voltages for adaptation of the output voltage to the requirements of the test.

The secondary windings are led out through special multicontact connectors. All transformers have a grounded shield between the primary and secondary winding to reduce the capacitive coupling.



type		ET 23/1.1-20	ET 10/1.5-20	ET 6/3.6-30	ET 12.5/3.3-30
Nominal Power	kVA	26	15	22	41
Input Voltage	V	550	550	600	600
Output Voltage	kV	0.21 / 0.5 / 1.1 / 2.1	0.25 / 0.5 / 1 / 1.5	0.6 / 2.4 / 3.6	0.42 / 0.84 / 1.65 / 3.3
Output Current	A	23 / 23 / 23 / 4	10	6	50 / 50 / 25 / 12.5
Frequency Range	Hz	20 ... 300		30 ... 300	
Duty Cycle		continuous operation		30 min ON – 30 min OFF, 3 cycles per day	continuous operation
Length (A)	mm	800	650	720	1440
Width (B)	mm	600	580	590	830
Height (C)	mm	800	835	650	1630
Weight	kg	290	320	280	930

Modification of the technical data on request

Type designation: ET a/b-c  
a – rated output current  
b – rated output voltage  
c – minimum frequency

For further information please contact:

or our local representative:

**HIGHVOLT Prüftechnik Dresden GmbH**  
Marie-Curie-Straße 10

**D-01139 Dresden / Germany**  
Tel. ++49 351 8425-648  
Fax ++49 351 8425 679  
e-mail dresden@highvolt.de  
internet http://www.highvolt.de