

Data Sheet no. 8.24/1

Exciter Transformers for GIS Testing with Variable Frequency, Type ET

Description:

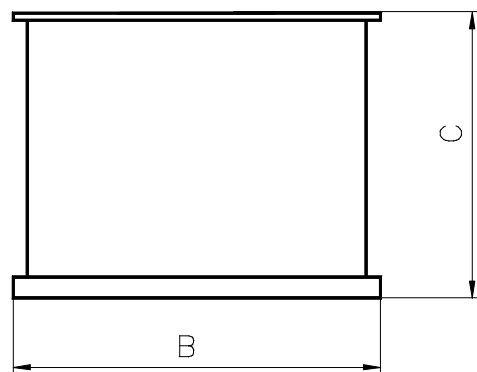
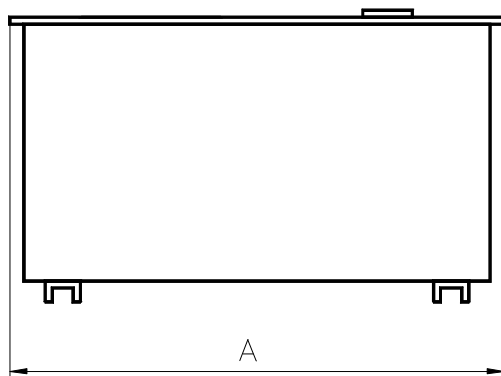
These types of exciter transformers have been developed for use in Resonant Test Systems with variable frequency for the on-site testing of GIS objects by using modular reactors (Data Sheet 8.11).

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 high voltage is led out through a coaxial HV connector. A connection cable with corresponding plugs at both ends is meant for the connection to the resonant reactor.

The transformer has two equal primary windings which can be connected in parallel or series to realize two different transformer ratios for better adaptation of the output voltage to the requirements of the test. For the connection of the Control and Feeding Unit type RSE (Data Sheet 8.15) a special multicontact connector is built in a box on the top of the transformers.

All transformers have a grounded shield between the primary and secondary winding to reduce the capacitive coupling.



type		ET 5/3.3-50	ET 6/5.5-40
Nominal Power	kVA	17	33
Input Voltage	V	550	550
Output Voltage	kV	1.65 / 3.3	2.75 / 5.5
Output Current	A	5	6
Frequency Range	Hz	50 ... 300	40 ... 300
Duty Cycle		1 hr ON – 1 hr OFF 6 cycles per day	1 hr ON – 1 hr OFF 6 cycles per day
Length (A)	mm	450	500
Width (B)	mm	500	500
Height (C)	mm	250	350
Weight	kg	120	250

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