

Data Sheet no. 8.62/3

Trailer for mobile HV Test Systems

Application

Heavy mobile test systems, e.g. for HV cable testing (Data Sheet 8.02), are arranged on trailers which can easily be moved by a truck. A control container (Data Sheet 8.61) as well as exciter transformer and resonant reactor are fixed on that trailer (Fig. 1). The cabling of the test system is fixed; this means the system is ready for test after a very short preparation on site. The goods are well protected by a canvas during transportation and storage. Figures 2 to 6 show examples of such trailers.

Features

The trailers correspond to European rules for road transportation and can be adapted to the rules of any country in the world. Usually, their design is agreed in detail between client and HIGHVOLT.

The basic design is characterized as follows:

- maximum load is arranged over the wheels;
- fixing of control container and resonant reactor by container twist locks;
- canvas may cover the whole trailer;
- canvas of color and with logo of the client;
- ladder to enter the trailer;
- waterproof box for accessories.

HIGHVOLT will generally place its „made-by“- logo on both side walls of the canvas cover as well.

Container chassis for transformer test systems

The container chassis is designed for the transportation of the 40 ft container.

Optionally, the container chassis can be equipped with boxes for motorized cable drums (Fig. 6).

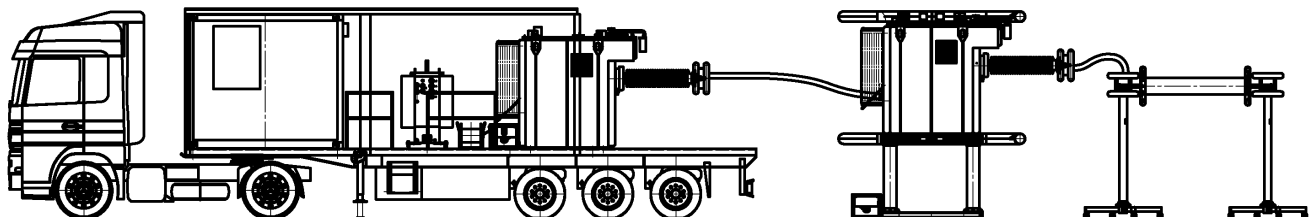


Fig. 1: Principle arrangement of HV components on a trailer



Fig. 2: Trailer with canvas of color and with logo of the client (Courtesy of Saudi Cable Co.)



Fig. 4: Trailer on the road (Courtesy of Pirelli)



Fig. 3: Trailer with open canvas



Fig. 5: Trailers on site, connected by fiber-optic links for control (Courtesy of Pirelli)



Fig. 6: Container chassis with 40 ft container for transformer test system

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