

PROJECT INFORMATION

By developing and manufacturing special technical solutions we are creating innovations for solving our customers' problems. Corresponding to their requirements we develop and manufacture different kinds of transformers, voltage stabilizers, chokes, power supply units and power resistors.

Thanks to higher quality, longer service life and lower operational costs RUHSTRAT technology brings you ahead with all kinds of application.

High Voltage Source (Rated Power 1,200 kVA)

The single-phase variable transformer aggregate consists of a single-phase variable column transformer with compensation winding for the reduction of voltage drops under load and of two subsequently added single-phase dry transformers with series connection, with galvanically separated winding.

The rated output voltage of the variable transformer aggregate is adjustable by means of the stepless, motor-driven adjustment of the variable transformer from 0 to 400 V with 3,000 A. The transformer aggregate is wired, ready for connection, and determined for insertion into a container with forced air ventilation.

Application:

For the research and development of different high-voltage techniques in a test field tests are made at high-voltage cables. The AC/DC test plant is at disposal as high-current source which is installed in the container (outdoor installation), next to the conductor loop which is to be tested.

single-phase variable column transformer:

rated power	1.200 kVA
rated input voltage	400V, 50/60 Hz
rated input current	1675 A
rated output values	2 x 0...400 AV – 2 x 1650 A

single-phase dry transformers:

rated power	2 x 600 kVA
rated input voltage	2 x 400V, 50 / 60 Hz
rated input current	1650 A
rated output values	0...400V - 3000A

In order to be able to make temperature measurements, tests about vibration behavior and investigations about other environmental impacts with rated operation between 2 towers, the high-voltage cable is fed with the high rated current of 3,000 A. The desired alteration of the current is effected by means of the voltage regulation of the variable transformer aggregate.

