

HOLMSJÖ

TRANSFORMER SUBSTATION IN SHEET STEEL



ELGA UAB



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SWEDEN EAST EUROPEAN EL

BRIEF DESCRIPTION

Transformer substations type 2MTT 6x9 are intended for electricity power transformation and distribution in public and industrial energy distribution networks, construction sites. It is connected by cables. The electrical diagram and arrangement of the equipment in the transformer substation are to be settled when making an order.

Main advantages:

- ✓ Convenient arrangement and large choice of equipment
- ✓ Up-to date and solid sturdy design
- ✓ Possible replacement of the housing modules
- ✓ Low dimensions
- ✓ 2 mm thickness zinc coated sheet steel housing, powder painted
- ✓ Delivered with hot dip galvanised steel base frame foundation

MEDIUM VOLTAGE COMPARTMENT

Medium voltage distribution cubicles are equipped with air insulated load break switches type NAL and NALF (ABB). Optionally it is possible to order - surge arresters, capacitive voltage indication system, current, voltage transformers for kWh metering, short circuit indication and motor operation, which allows a full remote control and ARS (automatic reserve switching). On special customer request it is possible to install other types of switchgear with air or SF6 insulation and voltages from 6 kV to 24 kV.

LOW VOLTAGE COMPARTMENT

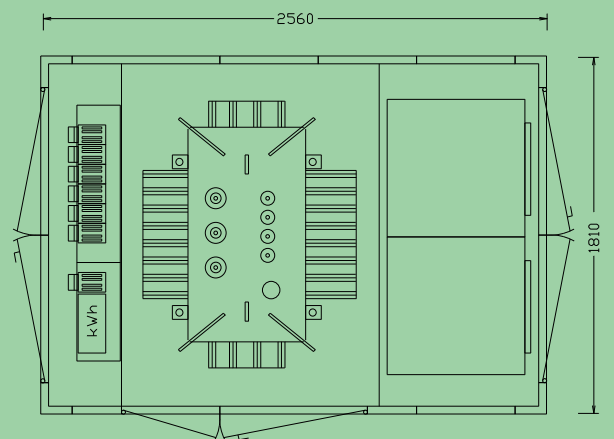
The low voltage unit is either an open distribution board with a busbar running the length of the assembly or a metal-enclosed, modular switchgear type SI-04. Switch-fuses type SLC and SLB (ABB Kabeldon, Sweden) or NH (EFEN, Germany) as well as MCCB'S with rated currents up to 2500 A can be used as switching devices. Metering instruments can be installed if required.

TRANSFORMER COMPARTMENT

In every case transformers are to be transported separately and placed in to the substation through the roof at site. Cable is used for the connection of transformer with medium and low voltage equipment. Rated power of the transformers placed in the substation is up to 400 kVA.

HOUSING AND DIMENSIONS

The height of the substation is 2510 mm. The housing is assembled of modules the width of 250, 500 or 750 mm. Modules are made of 2.0 mm hot dip galvanised sheet steel. The foundation of the substation is made of hot-dip galvanised sheet steel of 4 mm. The housing of substation is powder painted in standard colour: the walls RAL8012, the roof RAL9005. Other colours - on special request.



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