

TRANSFORMER SUBSTATION IN SHEET STEEL

2MTT 8x14
(Order No.81059)

ELGA UAB



SWELAB[®]
SWEDEN EAST EUROPEAN EL

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BRIEF DESCRIPTION

Modular transformer substation 2MTT 8x14 is intended for electricity power transformation and distribution in public and industrial energy distribution networks, also in the construction sites.

The energising of substation – by MV voltage cables connecting, and the energy distribution – by LV cables instalation for particular customers.

The electrical diagram and corresponding equipment arrangement are to be settled by order specification.

Main advantages

- Large choice and easy arrangement of equipment;
- Convenient and solid design with low dimensions, also possibility to replace of the housing compartments;
- High rust prevention: Housing of 2 mm thickness zinc coated and powder painted sheet steel. Hot dip galvanised steel base frame foundation.

MEDIUM VOLTAGE COMPARTMENT

The cubicles of medium voltage distribution, are equipped with air insulated load break switches (type NAL, for incoming and line feeders, also type NALF, for power transformer feeder).

Optionally it is possible to install the capacitive MV indication system, surge arresters, measuring transformers for energy metering ect.

On special Customer request, it is possible to install other types of switching devices (air or SF6 insulation) with motor operation, which allows a full remote control and automatic rezerve switching (ARS).

LOW VOLTAGE COMPARTMENT

The low voltage distribution panel is an open board with a busbar running the length of the assembly.

The fuses – suitable for LV switches: SLC, SLB (ABB Kabeldon, Sweden), NH (EFEN, Germany), with rated current by the electrical diagram specification.

POWER TRANSFORMER COMPARTMENT

The compartment is designed for inside installation of power transformer (PT) up to and including 315 kVA.

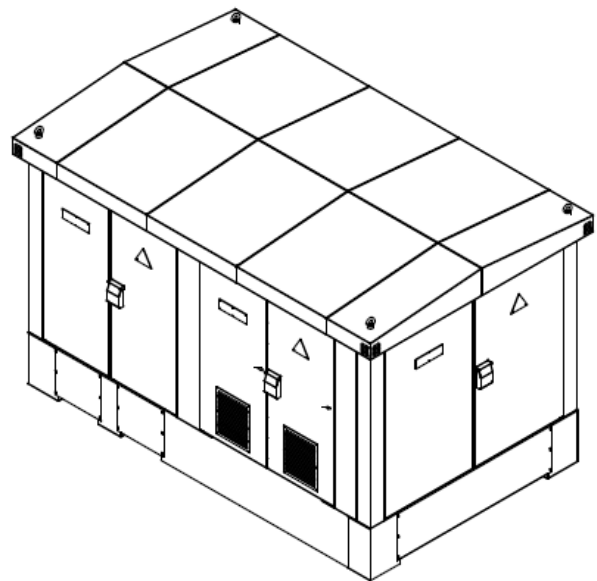
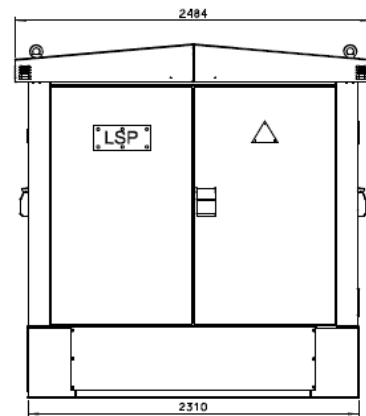
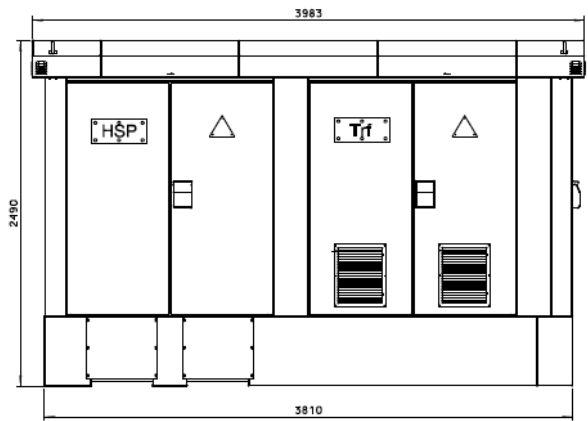
If is necessary to transport the substation, the PT must be transported separately. The erection and disassembling of PT – trough the roof site.

HOUSING AND DIMENSIONS

The dimensions (L x W x H) of modular transformer substation 2MTT 8x14: 3982 x 2484 x 2490 mm.

Housing modules width: 250, 500, 750 mm.

Powder paint colour: The walls - RAL 8012, the roof – RAL 9005. Other colours – on optionally request.



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