

## AUTO TRANSFORMER

### TECHNICAL DATA

**Voltage Range:** Up to 231V

**Power Range:** Up to 400kVA

**Core:** Cold Rolled Grain-Oriented Silicon Steel

**Windings:** Autotransformer has only one single voltage winding which is common to both sides. The windings are wound from aluminium or copper upon the customer's request.

**Drying:** The active parts of transformers are dried under a high vacuum in a furnace. The process of drying varies according to the transformer type, power, and voltage. Oil is filled under a high vacuum.

**Product Standard:** EN 61558-2-13

### APPLICATION

- Distribution Systems (Compensating voltage drops by boosting supply voltage)
- Auto transformers with a number of tapping are used for starting induction and synchronous motors.
- The Laboratory or where continuous variables over broad ranges are required (Autotransformer is used as variac)

### ADVANTAGES

- The Autotransformer is smaller in size and cheaper.
- The Autotransformer has higher efficiency than two winding transformers.
- The Autotransformer has better voltage regulation as voltage drop in resistance and reactants of the single winding is less.

