

DISTRIBUTION TRANSFORMERS



Distribution transformer is an electrical transformer that is used to carry electrical energy from a primary distribution circuit to a secondary distribution circuit. This can also be used to transfer current within a secondary distribution circuit or to the service circuit. These transformers minimize the voltage supply of the primary circuit to the amount of voltage desired by the consumer. The amount of this voltage keeps on changing and can be different for commercial consumers, residential consumers and light industry consumers.

We manufacture distribution transformer from 5 KVA single phase to 2500 KVA three phase. These can work at different voltage and frequency levels according to the standards prevailing in the various countries.

Salient Features :

- Distribution transformers can be single-phase or three-phase.
- Usually, single-phase transformers are used for residential applications.
- The three-phase transformers with a pad installed on them are used with an underground primary circuit, whereas three single-phase pole type transformers are used for overhead services.
- There are some distribution transformers, which can also offer network services. They are usually mounted in an underground vault. In this type of transformers, power is supplied through underground cables.

One of the advantages of distribution transformer is that they have excellent capacity to withstand overloads.

Uses & Applications :

Distribution transformers are widely used in various fields. Some of its common applications include:

- Telecommunications
- Sensitive electrical or electronic equipment
- Data processing equipment
- Transmission lines
- Radar systems
- Photocopying machines
- Tool machines
- Test control and measuring systems
- Safety alarm and lighting plants

POWER TRANSFORMERS



A transformer is a passive electrical device that transfers energy from one AC system to another. It is designed to change voltage from one level to another by means of magnetic induction. The power transformers are capable of accepting energy at one voltage and delivering it at another voltage. This allows electrical energy to be generated at relatively low voltages and transmitted at high voltages and low currents. This minimizes line losses and becomes fit for using at safe voltages. We manufacture power transformers up to 15 MVA capacity with maximum voltage level of 66 KV for the frequency level according to the standards.

Uses & Applications :

- Oil and dry-type units
- Aerospace application
- In other utility applications

- Commercial and industrial power distribution systems

FURNACE TRANSFORMERS



We manufacture an array of furnace transformers for all types of machineries. All our products are custom designed and confirm with the customer specifications. Our range of oil furnace transformers come with furnace duty design that have necessary arrangements to suppress harmonics.

Functions :

- To provide suitable voltage to match heating element requirements.
- High frequency transformers can be used for induction heating applications.

Specifications :

- Multiple ratio outputs for changing resistance loads
- 5 to 20,000 KVA
- Single phase, three phase, three or two phase
- Air, water, forced air or oil cooled
- Currents to 20,000 amp

HEAT-TREATMENT TRANSFORMERS



This type of industries, LV voltage varies from customer to customer and according to the specific heat treatment applications. Moreover, multi tapplings required in the LV side with high current. We provide heat-treatment transformers for variable multi tapping voltage with high current transformers for heat treatment applications.