

Instruction Manual



Encapsulated Dry-Type Transformers

600 Volts & Below

General

The encapsulated dry-type transformer is a totally enclosed, non-ventilated, compound filled, insulating transformer which has been completely assembled at the factory and is ready for operation. These transformers are completely encased in a sturdy steel housing. A large wiring compartment with conduit knockouts permits fast wiring connections. This wiring compartment is accessible by a removable cover.

Inspection

The transformer should be unpacked as soon as it is received and examined for possible damage during shipment. Should damage be found, a claim should be filed immediately with the transportation company.

Handling

Care should be exercised in handling dry-type transformers. Lifting eyes or similar lifting means are provided on most sizes.

Installation

These encapsulated dry-type transformers are built for indoor/outdoor applications. They may be installed on walls, beams, platforms, or other locations. They are ideal for applications in dusty industrial areas. Dry-type transformers must be protected by lightning arresters or other suitable equipment from outside lines which may cause lightning and switching surges to be transmitted to the transformer. The enclosure should be grounded to a water pipe or similar type of effective common ground. Transformers should not be loaded beyond their nameplate rating since overloads will result in a reduced life expectancy.

Connections

Refer to the nameplate for voltage combinations, frequency, number of phases, and tap connections. All leads not being used must be properly insulated.

Maintenance

Practically no maintenance is required on a dry-type transformer. Encapsulated types only require wiping off dust or dirt from the outside of the case.