

VACCU M PRESSURE IMPREGNATED TRANSFORMER



GENERAL DESCRIPTION

Kalpa offers a complete line of Dry Type Single and three-phase transformers that meet applicable IS / IEC standards. With high voltages up to 11KV and ratings up to 5MVA, transformers are designed for Indoor and outdoors covering domestic, International, commercial and industrial applications. High-grade materials, combined with sophisticated engineering design systems and state of the art test infrastructure are key elements of a transformer that will deliver years of highly reliable service.

TECHNICAL SPECIFICATION

Construction Type	Indoor/Outdoor
Duty Type	Outdoor / Indoor, Ground Mounted AN/AF
Voltage Class	Upto 11 kV
No of Phases	1Phase or 3 Phase
Capacity	Up to 5 MVA
Frequency	50/60 Hz
Vector Group	Dyn1 or Dyn5 or Dyn11 or any specific
Class of Insulation	Class B/F/H with Temp Rise of 70/90/115 Deg C or as per customer requirement
Tap Changer Type	Off Circuit or On Load
Tapping Range	OCTC or OLTC as per customer requirement
Winding Material	Copper
Applicable Standards	IS 11171, IEC 60076
Enclosure Painting	Powder coated with RAL 7032 shade or as per customer requirement
Degree of protection	IP 23,43 or as per customer requirement.

ASSURED FEATURES

- Windings are electrically balanced to minimize axial short circuit forces
- Coils are held rigidly in place between insulators clamped to the upper and lower core frames under high compression
- Precise Vacuum Pressure Impregnation ensuring low partial discharge
- Smooth surface finish and robust construction of MV & LV cast Coils
- Adequate ducts between coils, discs for maximum air flow and reduced hot spot Temperature
- Step-lap designed CRGO laminations for lower losses and excitation current



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STANDARD FITTINGS

- H.V. Cable box.
- L.V. Cable box with bus bar or bus duct
- Off circuit tap links
- Undercarriage with four Bi-directional rollers
- Earthing terminals
- Rating and diagram plate
- Lifting lugs for complete Transformer
- Tapping link operation door
- Enclosure with louver panels
- Canopy
- Base channel – 2 Nos
- The separate neutral bushing on LV side
- Paint: Powder coated With RAL7032 Shade

OPTIONAL FITTINGS

- RTD with A/T contact
- Marshaling box with control wiring
- On Load tap changer with RTCC Panel with AVR
- Forced Cooling arrangement
- Neutral Current Transformer
- Space heaters for core & windings

SAFETY FEATURES

- Environment-Friendly
- Fire Resistance
- Non-Hygroscopic



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