



Cast Resin Dry Transformer

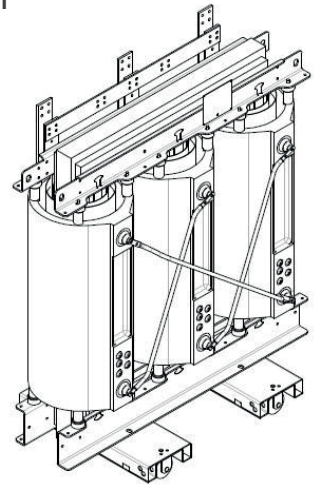
EIPL System



EIPL is a manufacturer of all kind of Cast resin transformer as power, distribution, rectifier etc. These transformers can be manufactured with copper or aluminum winding or both as per customer requirement.

The transformer range is as following

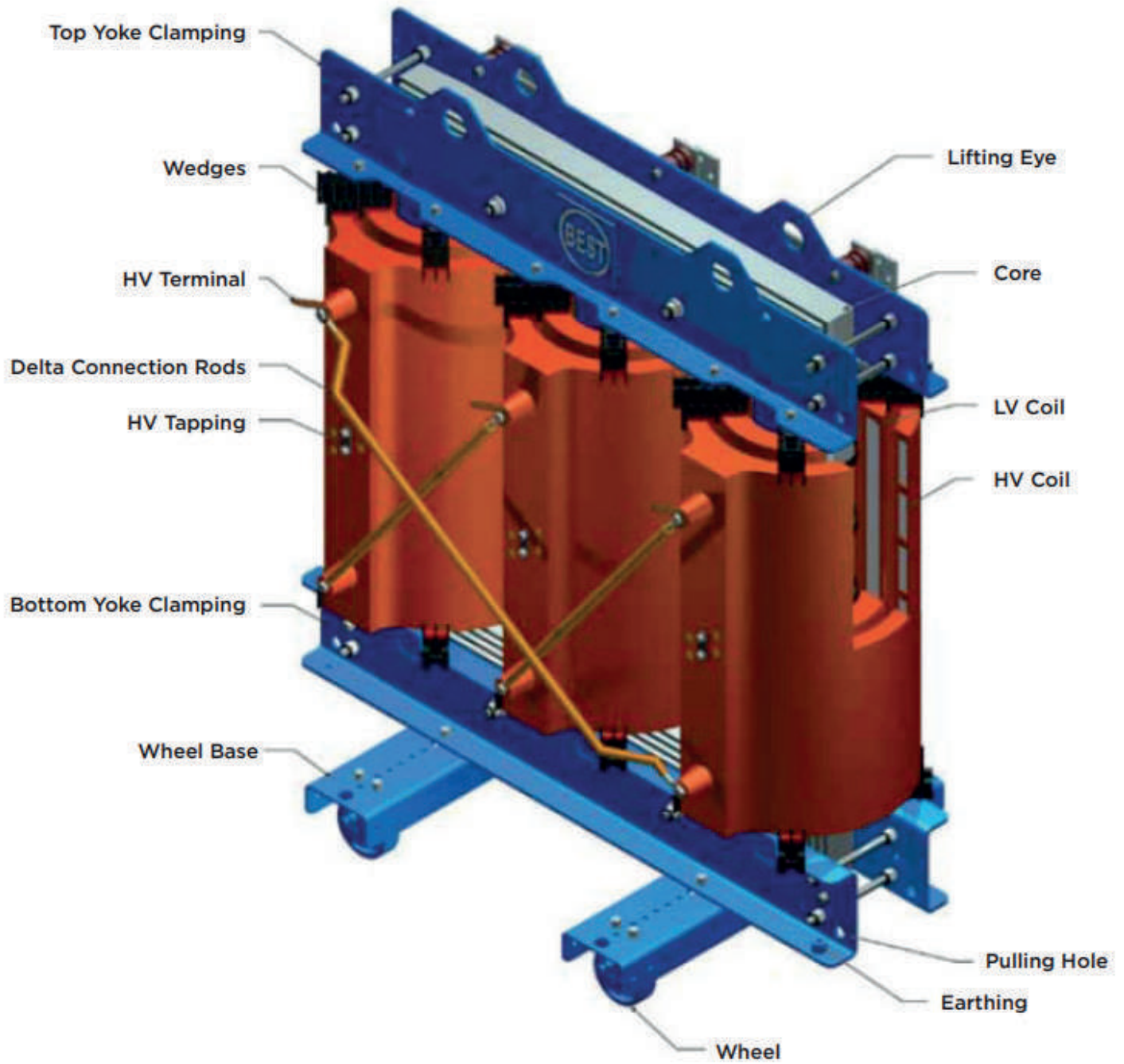
- **Low Voltage Transformers LV/LV**
Rating up to 2500 KVA nominal voltage up to 1.1 KV
- **Distribution Transformers MV/LV**
Rating up to 3150 KVA and nominal voltage up to 36 kV
- **Power Transformers HV/LV HV/MV**
Rating up to 10 MVA and nominal voltage up to 36 kV



Features

- **Low installation costs**
 - The transformers can be installed near the load
 - No need for oil collecting pits
 - No fire barriers
 - No special building work
 - Low operation costs
- **Low losses**
 - Since cast resin transformers do not have oil, there is no need for checking refilling or replacing.
 - Cast resin never requires expensive clean-ups
- **Environment Friendly**
 - No liquids, thus no risks for leakage
 - No toxic or corrosive gases, or halogens
- **No Maintenance is required**
 - The only preventive maintenance is visual check
- **High confidence**
 - Excellent insulation against short-circuit and lightning
- **High resistance against humidity**
 - Short-time overload capacity much greater than liquid filled transformers
 - For longer overloads, forced cooling AF (40%) is an option just by adding fan assembly







Parts/Accessories of CRT:

■ CORE

The core is built up of cold rolled grain oriented steel sheet with low specific losses, insulated on both sides by a thin inorganic coating (Carlyte). The sheets composing the core are cut as step lap (at 45°). Uniform pressing, stiffness and solidity of the columns assure a low noise level.



■ MEDIUM VOLTAGE WINDING

The high voltage are made of electrolytic aluminum conductors (wire or foil strip depending upon power and voltage requirements). It is possible to produce copper windings as well. The windings are inglobed under vacuum in class F (even H class is possible on specific demand) epoxy resin. The accuracy of execution of these processes allow the obtainment of windings free from partial discharges.



■ LOW VOLTAGE WINDING

The low voltage windings are made of strip or foil (copper or aluminum conductor depending upon power and voltage requirements). Class F/H insulating material is used.



■ STANDARD ACCESSORIES

Skid under base or truck with bidirectional wheels, lifting lugs, earthing terminal.

■ TEMPERATURE MONITORING UNIT

The temperature monitoring is essentially used for safe operation of cast resin / dry type transformer. It is suitable for control room as well as marshalling box installation and is built for long and trouble free operation under extreme conditions of service associated with transformer.

