



SYEMCO®

www.syemco.com



POWER & DISTRIBUTION TRANSFORMERS

ADVANCED TECHNOLOGY

RELIABILITY

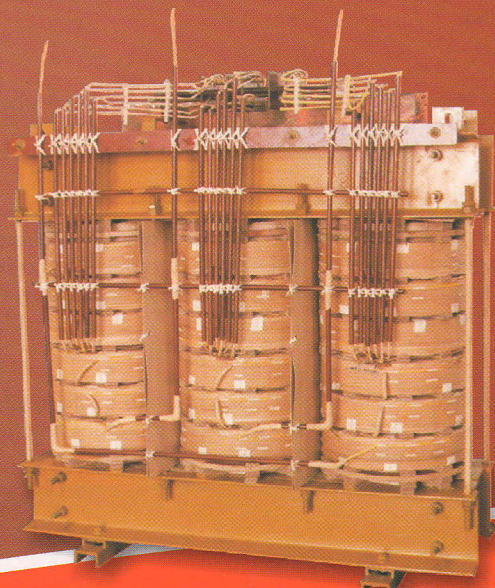
BETTER EFFICIENCY

FLAWLESS PERFORMANCE

AESTHETIC LOOKS

TIMELY DELIVERIES

PROMPT AFTER SALES & SERVICE



POWER & DISTRIBUTION TRANSFORMERS

PRODUCTION RANGE

Power & Distribution Transformers 16 KVA to 2000 KVA upto 33 KV.

STANDARDS

Syemco Transformers are designed and tested as per IS:2026, BS-171, IEC-76 & IEC-726.

VECTOR GROUP

Transformers will be connected as per vector group reference DYn 11. Other vector groups can be offered as per specific requirements.

TERMINAL ARRANGEMENT

H.V. Bare Bushings or Cable Box, L.V. Bare Bushing or Cable Box Disconnecting.

TEMPERATURE RISE

Syemco Transformers are designed for a maximum temperature rise of 40/50°C of oil/ winding. Lower temperature rise can be offered on request.

CORE

The core is constructed from low loss, cold rolled, grain oriented, annealed laminations of electrical sheet steel conforming to the latest international standards. Special frame is built in-house form clamping the core to reduce the magnetic noise as well as making the whole structure rigid and robust.

WINDINGS

Coils are wound with electrolytic high conductivity paper covered of synthetic enamelled copper conductors. Cooling ducts are provided to keep the hot spot temperature as low as possible. Coils are dried in electric ovens. Rigid connection support and coil clamping is provided to ensure high short circuit strength.

INSULATION

Precompressed board PARMALI board and JAPANESE insulation paper of best quality is used.

TAPPINGS

A. OFF CIRCUIT TAP CHANGING SWITCH

Tappings from + 5% to -5% for HV variation or as per customer's requirement.

B. ON LOAD TAP CHANGER

16 steps OLTC for HV variation from +5% to -15% in steps of 1.25% or as per specific requirements. OLTC for remote/ auto/ parallel operation can also be offered.

OIL

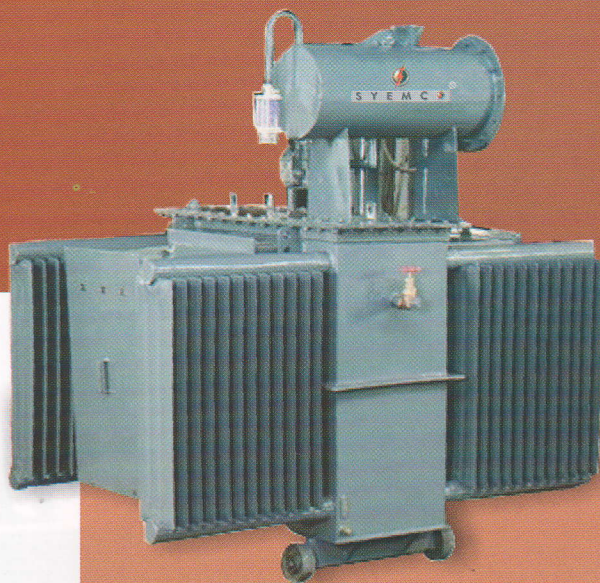
Oil is tested for resistivity, dielectric and acidic characteristic conforming to IS-335. Before topping up oil is filtered throughly

TANKS

The tanks are made of M.S. steel plates/ sheets with adequate bracing & stiffness. Tanks are pressure tested to withstand any type of inside or outside pressure, all the external surface are given a primary coat of zinc chromate, red oxide and two finishing coats of grey paint. The inner surfaces are given a coat of heat and oil resisting paint.

QUALITY CONTROL AND ROUTINE TEST

All Syemco transformers undergo rigorous quality control check and are routine tested as per IS in our fully equipped laboratory. Any specific test required by the customer can also be arranged.



STANDARD FITTINGS

- ✦ Rating and diagram plate.
- ✦ Earthing terminals-2 nos.
- ✦ Lifting lugs.
- ✦ Oil level indicator (Plain)
- ✦ Drain-cum bottom filter valve with plug.
- ✦ Oil filling hole with plug on conservator.
- ✦ Oil conservator with drain plug.
- ✦ Air release plug.
- ✦ Silica gel air breather.
- ✦ Bi-Directional flate rollers.
- ✦ HV terminals-outdoor bushings.
- ✦ LV terminals-outdoor bushings.
- ✦ Radiators.
- ✦ Filter valve with plug.
- ✦ The mometer pocket.
- ✦ Oil temperature indicator.
- ✦ Externally operated off circuit tap changing switch.
- ✦ Explosion vent.

ACCESSORIES ON REQUEST

- ✦ LV and HV cable boxes.
- ✦ Winding temperature indicator.
- ✦ Buchholz relay.
- ✦ Magnetic oil level gauge.
- ✦ Marshaling box.
- ✦ Disconnecting chamber.
- ✦ Oil temperature indicator with electrical contacts.
- ✦ Pressure relief valve.