



TDBro - Transformer Design Software

User-friendly, all-encompassing, value-driven complete design tool for the organization

Design, Documentation, Manufacturing Specifications, Raw Material Costing & 2D 3D Assembly, Sub-assembly and Sheet Metal Fabrication Drawings

TRANSFORMER TYPES	Distribution, Power, Isolation, Rectifier, Earthing, PSS & USS Converter and Inverter Duty (Upto 9 LV windings, upto 20 MVA).			
RATING	<ul style="list-style-type: none"> • 5 KVA to 80000 KVA, 3 phases up to 154 KV class, with 2 windings (plus regulating winding beyond 5 MVA) • Dual HV winding (only Electrical design & documentation) • 1500 KVA Single Phase 			
REFERENCE STANDARDS	IS2026 IS1180 IS11171 IEC 60076	ANSI CBIP ECBC EU-ECO	GOST SABS WAPDA IRAM	CSA
COOLING TYPES	Dry type (VPI & CRT, upto 10 MVA)		Mineral Oil cooled Ester Oil cooled	
CORE MATERIAL	CRGO and AMORPHOUS (upto 2MVA)			
CORE CONSTRUCTION TYPE	<ul style="list-style-type: none"> • Wound Shell (upto 5 MVA) • Wound Core • Amorphous Core (Upto 2MVA) • Amorphous Shell • Circular / Circular Stacked Core 		<ul style="list-style-type: none"> • Rectangular (upto 2.5 MVA) • Elliptical (upto 10 MVA) • Flat / Flat Core • EI 	
WINDING MATERIAL	Copper Aluminum (upto 10 MVA)		Copper- Clad Aluminum (10% & 15%) Cu and Al for HV and LV respectively	
WINDING TYPES	CO-CO Layer-Layer Foil – Layer Disc – Disc	Layer – CO Foil – CO	Layer – Disc Foil – Disc	
TANK CONSTRUCTION	Without Enclosure Flanged Radiator Conservator Corrugated Fin		Sealed Elliptical Tube Elliptical Tank	
TAP CHANGER	In-tank		External	
APPROVAL DOCUMENTS	<ul style="list-style-type: none"> • Guaranteed Technical Particular (GTP) • Core Area • Flux Density • No Load Loss & No Load Current • Load Loss 		<ul style="list-style-type: none"> • Radiators & Thermal Ability • Hot Spot Temp • Current Density Calculation • Oil Absorption details • Symmetrical Short Circuit Details 	

Global Leaders for setting up Integrated & Automated Test Laboratories for Transformers & Motors and Transformer Design Software



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