



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 Drawings

TRANSFORMER TYPES	Distribution, Power, Isolation, Converter and Inverter Duty (Upto 6 LV windings, upto 20 MVA), Rectifier			
RATING	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)			
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	Wound Shell (upto 2.5 MVA) Wound Core Rectangular (upto 2.5 MVA) Amorphous Core (Upto 2MVA)		Amorphous Shell Circular / Circular Stacked Flat / Flat Core Elliptical (upto 10 MVA) 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 Radiator Conservator Corrugated Fin		Sealed Elliptical Tube Elliptical Tank	
TAP CHANGER	In-tank		External	
APPROVAL DOCUMENTS	Guaranteed Technical Particular (GTP) Core Area Flux Density No Load Loss & No Load Current Load Loss		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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