ENGINEERING QUICK REFERENCE • PRELIMINARY

Three-Phase Oil-Immersed Distribution Transformer

S11 / S13 silicon-steel and S15 amorphous-core options | Initial project compatibility check

30–2,500	6–35	3 PHASE	50 / 60
RATED CAPACITY / kVA	PRIMARY VOLTAGE / kV	CONFIGURATION	FREQUENCY / Hz

MAIN TECHNICAL SPECIFICATIONS

PARAMETER	PRELIMINARY RANGE / COMMON CONFIGURATION
Product type	Three-phase, two-winding, oil-immersed distribution transformer
Rated capacity	30–2,500 kVA | Frequently requested: 100 / 250 / 400 / 630 / 800 / 1,000 / 1,250 / 1,600 / 2,000 / 2,500 kVA
High voltage (HV)	6–35 kV family range | Common project examples: 10 / 20 / 33 kV | Other voltages by engineering review
Low voltage (LV)	0.4 kV reference | 0.415 / 0.433 / 0.69 kV and other ratios subject to project confirmation
Frequency	50 or 60 Hz | Confirm performance for the specified frequency
Vector group	Dyn11 reference | Yyn0 / Yzn11 or other connections subject to engineering review
Tap changing	Off-circuit HV tap changer (OCTC) | Typical ±5% or ±2 × 2.5%; exact range by order
Cooling	ONAN (Oil Natural Air Natural) typical
Core / series	S11 / S13: grain-oriented silicon steel | S15: amorphous-alloy core option
Oil / tank	Mineral insulating oil and sealed corrugated tank as reference; alternatives by model and order
Design & testing	IEC 60076 series or applicable project-specific standard; exact tests agreed in technical offer

FINAL VALUES CONFIRMED BY MODEL

No-load loss (P_0) • Load loss (P_k) • Impedance (u_k%) • Dielectric / impulse levels • Temperature rise • Sound level • Dimensions & weight

SEND WITH YOUR RFQ

Capacity and quantity • HV/LV voltage ratio • 50/60 Hz • Vector group / taps • Location & ambient • Required loss/impedance limits and standards

ENGINEERING NOTE: The 30–2,500 kVA and 6–35 kV values are overall product-family ranges, not a guarantee that every capacity is available at every voltage. Common configurations are reference examples, not guaranteed nameplate data. Final losses, impedance, insulation levels, accessories and test reports must be approved for the selected model before quotation or purchase.