

GENERATOR STEP-UP (GSU) TRANSFORMERS UP TO 400KV, 520MVA

** This is only exemplary; specifications will vary based on individual client requirements

Applied Standard		IEC – 60076
Type		Outdoor
Rated Power	MVA	ONAN/ONAF, up to 520MVA
Number of Phases		3
Rated Voltage, Phase to Phase		
High Voltage Winding	kV	132 or 230 or 400kV
Low Voltage Winding	kV	12 or 36
Rated Frequency	Hz	50
Rated Insulation Level		
Impulse Withstand, Full Wave		
High Voltage Winding	kV	As per IEC 76-3
Low Voltage Winding	kV	As per IEC 76-3
Neutral Side		Graded insulation
AC Withstand Voltage		
High Voltage Winding	kV	As per IEC 76-3
Low Voltage Winding	kV	As per IEC 76-3
Impedance Voltage at 75°C and at Nominal Ratio and 100% Rated Power	%	As per IEC 76-5/ as required

Vector Diagram (IEC 76-4)		YNd1
Type of Cooling		ONAN/ONAF
On load Tap- changer		
Type		With oil/ vacuum switches
Rated Tap	kV	132 or 230 or 400kV
Tapping Range Capacity	%	(+10 to -10)% or as required
	Positions	17 or higher
Temperature Rise at Rated Power (Maximum Ambient Temperature: 40°C)		
Oil by Thermometer	deg. C	55
Winding by Resistance Measurement	deg. C	60
Maximum Hot Spot Temperature when Loaded in Accordance with IEC 354	deg. C	118
Core Loss at Rated Frequency and Rated Voltage at Nominal Tap	kW	As required
Copper Loss at Full Load, at Rated Frequency	kW	As required
Overall Dimension	mm	Based on design specification
Overall Weight	kg	Based on design specification
Transport Weight	kg	Based on design specification