

Characteristic Specifications

1.	Product Type	Indoor/Outdoor, Hermetically Sealed Transformer		
2.	Rated Power	kVA	1600	
3.	Rated Voltages	kV	11 / 0,415	
4.	Tapping Range & No of Taps (HV, Off-Load Tap Changer)	5 Taps +2x%2,5 / -2x%2,5 9,5-9,75-10-10,25-10,5- kV		
5.	Number of Phases	3		
6.	Frequency	Hz	50	
7.	Connection Group	Dyn 11		
8.	Insulation Class	Class A		
9.	Insulation Levels		HV	LV
	i) One Minute Power Freq. Withstand Voltage	kV	28	3
	ii) Lightning Impulse Withstand Voltage	kV	75	-
10.	Max. Ambient Temperature	°C	40	
11.	Temperature Rise			
	i) Windings	K	65	
	ii) Oil	K	60	

Performance Specifications

12.	Manufacturing Standart	IEC 60076-1		
13.	No-Load Losses	Watt	2600	+ 15% Tolerance
14.	Load Losses (at 75 °C and nom. pos.)	Watt	20000	+ 15% Tolerance
15.	Total Losses	Watt	22600	+ 10% Tolerance
16.	Impedance Voltages (at 75 °C and nom. pos.)	%	6	+/- 10% Tolerance
17.	Efficiency			
	Cos Φ= 1.0 (4 / 4)	%	98,607%	
	Cos Φ=0.8 (4 / 4)	%	98,265%	

Design Specifications

18.	Cooling Method	ONAN(with corrugated walls)		
19.	Oil Type	Mineral Oil as per IEC 60296		
20.	HV/LV Winding Materials	Electrolytic Copper		
21.	Core Type	Core - Cold Rolled Grain Oriented		
22.	Tank Cover	Bolted		
23.	Corrosion Category	C2 / Total Thickness: 105 micron		
24.	Paint	RAL:7033(without galvanising)		
25.	LV Bushings	1 kV 3150 A EN 50386	Creepage: 75 mm	4 NOS Porcelain On top cover With flag
26.	HV Bushings	12 kV 250 A DIN 42531	Creepage: 300 mm	3 NOS Porcelain On top cover

Weight & Dimensions

27.	Transformer Dimensions	Width	Length	Height
	Width x Length x Height	mm	1150	1830
28.	Transformer Weights			
	i) Oil	kg	640	
	ii) Active Part	kg	1910	
	iii) Total	kg	3220	

Accessories

Lifting Lugs , Earthing Terminals , Rating Plate , Oil Filling Valve , Oil Sampling&Drain Valve , Thermometer Pocket , Pressure Relief Device , Multifunctional Protection Relay , Wheels ,

Notes

Weights and dimensions are approximate and to be confirmed after PO.