

Project Name : _____

Order Code : _____

General Characteristics

1.	Type of Product	:	Hermetically Sealed		
2.	Tank Type	:	Corrugated walls		
3.	Applied Standard/s	:	IEC 60076		
4.	Rated Power	:	160		kVA
5.	No-Load Rated Voltages (HV/LV)	:	10	/	0,4
6.	Voltage Tapping (@ HV)	:	taps: 5	10 kV (-2,+2) x 2,5 %	Off-load
7.	Vector Group	:	Yy0		
8.	Conductor Material (HV/LV)	:	Aluminium / Aluminium		
9.	Frequency	:	50		Hz
10.	Number of Phase	:	3		phase
11.	Maximum Ambient Temperature	:	-25	/	40
12.	Winding / Oil Temperature Rise Limits	:	65	/	60
13.	Cooling method	:	ONAN		
14.	Operation duty	:	Continuous		
15.	Altitude	:	≤ 1000		m
16.	Oil details	Mineral	Shell Diala S4 ZX-1		or Equiv.
17.	Surface Protection & Outer Colour	Acc. to ISO 12944-5	120 µm tickness	&	RAL 7033

Test Voltage Levels

* Acc. to IEC 60076-3

	Um (kV)	Full Wave Lightning Impulse Withstand LI (kV)	Applied Voltage AC Withstand AV (kV)
18.	HV side ≤ 24	125	50
19.	LV side ≤ 1,1	---	3

Bushing Types & Terminations

		Standard & Type		Placement & Protection Class	
20.	HV side	DIN	Porcelain	On the cover	without cable box
21.	LV side	DIN	Porcelain	On the cover	without cable box

Guaranteed Values

22.	No-Load Losses (Po)	:	300	Watt
23.	Load Losses @ 75 °C & Nom. Pos. (Pk)	:	2136	Watt
24.	Short Circuit Impedance @ 75 °C & Nom. Pos. (Uk)	:	4,5	%
25.	Noise Level (Sound Power) (L _{WA})	:	52	dB (A)
26.	Short Circuit withstand Duration (t _{sc})	:	2	s

* Note : Tolerances will be applied on guaranteed values according to IEC 60076.

Outer Dimensions

	Total	@ Transporting
27.	Length 950	950 mm
28.	Width 900	900 mm
29.	Height 1330	1330 mm
30.	Roller Space 520	-- mm

Weights

31.	Oil	:	185	kg
32.	Active Part	:	510	kg
33.	Total	:	845	kg
34.	Transport mass of tank	:	845	kg

* Note : All dimensions and weights are specified as approximately. Actual product may differ from above calculated values.

Accessories

- Off-Load Tap Changer (1 pc.)
- Oil Temperature Thermometer (1 pc.)
- Pressure Relief Device (1 pc.)

Additional Information