

# Transformer Technical Data Sheet

Date : 20.01.2020  
Tender No :  
Rev. No : 0

Project Name : 16.039.90

Order Code :

## General Characteristics

1.	Type of Product	:	Conservator Type	
2.	Tank Type	:	Corrugated Walls	
3.	Applied Standard/s	:	IEC 60076	
4.	Rated Power	:	100	kVA
5.	No-Load Rated Voltages (HV/LV)	:	10 / 0,4	kV
6.	Voltage Tapping (@ HV)	:	5 taps ; 10 kV ; (+2, -2) x 2,5 %	Off-load
7.	Vector Group	:	Dyn11	
8.	Conductor Material (HV/LV)	:	Aluminium / Aluminium	
9.	Rated Frequency	:	50	Hz
10.	Number of Phase	:	3	phase
11.	Maximum Ambient Temperature	:	-25 / 40	°C
12.	Winding / Oil Temperature Rise Limits	:	65 / 60	K
13.	Cooling method	:	ONAN	
14.	Operation duty	:	Continuous	
15.	Altitude	:	≤ 1000	m
16.	Oil details Mineral oil	:	Shell Diala S4 ZX-I or Equiv.	
17.	Surface Protection & Outer Colour Acc. to ISO 12944-5	:	105 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	≤ 12	75	28
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)	:	320	Watt
23.	Load Losses @ 75 °C & Nom. Pos. (Pk)	:	2150	Watt
24.	Short Circuit Impedance @ 75 °C & Nom. Pos. (Uk)	:	4	%
25.	No-Load Current (Io)	:	2	%
26.	Noise Level (Sound Power) (L <sub>WA</sub> )	:	59	dB (A)
27.	Short Circuit withstand Duration (t <sub>sc</sub> )	:	2	s

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

## Outer Dimensions

	Total	@ Transporting
28. Length	890	890 mm
29. Width	780	780 mm
30. Height	1220	1220 mm
31. Roller Space	520	--- mm

## Weights

32.	Oil	:	110	kg
33.	Active Part	:	275	kg
34.	Total	:	475	kg
35.	Transport mass of tank	:	475	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.)
- Dhydrating Breather (1 pc.)
- Oil Temperature Thermometer (1 pc.)
- Oil Level Indicator (1 pc.)
- Buchholz Relay (1 pc.)

## Additional Information