

	<h1>Transformer Technical Data Sheet</h1>	Date :	22.04.2022
		Tender No :	22/1816
		Rev. No :	0

Project Name : 21.476.90*

Order Code

General Characteristics

1.	Type of Product	:	Oil filled, Hermetically Sealed	
2.	Tank Type	:	Corrugated Walls	
3.	Applied Standard/s	:	IEC 60076	
4.	Rated Power	:	2500	kVA
5.	No-Load Rated Voltages	(HV/LV) :	34500 / 800	V
6.	Voltage Tapping	@HV :	6 pos ; 34500 V ; (+2, -3) x 4.54	Off-load
7.	Vector Group	:	Dyn11	
8.	Conductor Material	(HV/LV) :	Aluminum / Aluminum	
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	
17.	Surface Protection & Outer Colour	Acc. to ISO 12944-5 :	105 µm thickness & RAL 9006	

Test Voltage Levels

* Acc. to IEC 60076-3

	Um (kV)	Full Wave Lightning Imp. Withstand LI (kV)	Applied Voltage AC Withstand AV (kV)
18. HV side	<=36	170	70
19. LV side	<=3.6	20	10

Bushing Types & Terminations

	Standard & Type		Placement & Protection Class	
20. HV side	DIN	Plug-in	On the cover	Without cable box
21. LV side	DIN	Porcelain	On the cover	Without cable box

Guaranteed Values

22.	No-Load Losses	(Po) :	2015	Watt
23.	Load Losses	(Pk) :	20350	Watt
24.	Short Circuit Impedance	(Uk) :	6	%
25.	No-Load Current	(Io) :	1	%
26.	Noise Level (Sound Power)	(LWA) :	65	dB (A)
27.	Short Circuit withstand Duration	(tsc) :	2	s

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

Prepared by	Ş.ARICI	Approved by	H.ÜNLÜER
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	Outer Dimensions	Total	@ Transporting	
28.	Width	1290	1290	mm
29.	Length	2180	2180	mm
30.	Height	2060	2060	mm
31.	Roller Space	1070	---	mm

Weights

32.	Oil	:	1125	kg
33.	Active Part	:	3500	kg
34.	Total	:	5580	kg
35.	Transport mass of tank	:	5580	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.)
- Pressure Relief Valve without contacts (1 pc.)
- Hermetic Protection Relay (DMCR) (1 pc.)

Additional Information

- LV-HV Screen Cylinder(3 pc.)

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