ABB

Transformer technical data sheet

ABB Ltd. 10th RAMADAN CITY - EGYPT

Project No: - ABB Design No: TOA-400-24DXCO

Project Name: - Refer. Quotation No:
Customer: CIABB Customer Spec.:

Rev.	Issued	Approved	Date	Description
0	Yara Tammam	Ashraf Mobarak	10/7/2021	Issue

General Specification					
Francisco Timo					
Fransformer Type		Oil Immersed Transformer- Distribution			
Standard		IEC60076			
nstallation			Outdoor		
Expansion Method		Hermetically Sealed			
Dil type		Oil - Mineral - General			
Phase		3			
requency		50			
/ector group		Dyn11			
Type of cooling		ONAN			
Altitude (below -)		1000			
nsulation class		A			
Ambient Temperature (Max)		40			
Average Oil Temperature rise	60				
Average Winding Temperature rise	65				
Vinding			Primary	Primary	Secondary
Rated Power		[kVA]	400	400	400
Rated Voltage @ No load		[V]	20000	15000	400
Maximum system Voltage		[kV]	24	24	1.1
BIL (Basic Impulse Withstand Level)		[kV]	125	125	-
Power Frequency withstand Level		[kV]	50	50	3
Tapping (Off circuit tap changer)		0.1	+2x2.5%-2x2.5%	+2x3.33%-2x3.33%	_
Connections			DELTA	DELTA	WYE
Conductor Material			AL	AL	AL
Guaranteed Performance Data	at Nominal 7	Тар, 75@°С	AL.	Guarantee Values @	
No load loss	at Normina		1000	(+15% Tolerance)	,20/0.4
Load loss			4800	(+15% Tolerance)	
Total loss			5800	(+10% Tolerance)	
mpedance		[%]		(±10% Tolerance)	
Preliminarily Dimensions, approximately				(2.13)	
ength	0	[mm]	1300	(±10% allowance)	
Vidth		[mm]		(±10% allowance)	
Height		1600	(±10% allowance)		
Dil Weight		380	(±10% allowance)		
Total Weight		[kg]	1580	(±10% allowance)	
Accessories:		Tank: Carbon St	teel		
Rating plate , Lifting Lug , Drain Plug , Tankin	Painting: Electrostatic painting				
Bi-directional roller-(Diameter,C-C):			80-120μm , C4		
High Voltage Bushing : Plug-In		Customer termination:			
Low Voltage Bushing : Bus Bar	\$1.000 \$1		Secondary		
DMCR			Terminals IP		IP00
			Туре	via Cable	via Cable
Pressure Relief Valve without contact ,T10			Position		Тор

Notes

- Other accessories which are not mentioned in the above statements are not included.
- Cable connection and termination materials are not included. (e.g. cable lug, flexible bus bar)
- Tests: Routine tests according IEC standard.
- The tolerances for all guaranteed values are subject to IEC standard.
- If no other standards or rules are specified, transformers are manufactured according to IEC standard.