

Project No:	-	ABB Design No:	TOC-1250-24XDSQ
Project Name:	- ORN_210095	Refer. Quotation No:	
Customer:	0	Customer Spec.:	-

Rev.	Issued	Approved	Date	Description
0	Yara Hicham	Ashraf Mobarak	6/24/2021	Issue

General Specification			
Transformer Type		Oil Immersed Transformer-	Distribution
Standard		IEC60076	
Installation		Outdoor	
Expansion Method		Hermetically Sealed	
Oil type		Oil - Mineral - General	
Phase		3	
Frequency	[Hz]	50	
Vector group		Dyn11	
Type of cooling		ONAN	
Altitude (below -)	[m]	1000	
Insulation class		A	
Ambient Temperature (Max)	[°C]	40	
Average Oil Temperature rise	[K]	60	
Average Winding Temperature rise	[K]	65	
Winding		Primary	Secondary
Rated Power	[kVA]	1250	1250
Rated Voltage @ No load	[V]	15000	410
Maximum system Voltage	[kV]	17.5	1.1
BIL (Basic Impulse Withstand Level)	[kV]	95	-
Power Frequency withstand Level	[kV]	38	3
Tapping (Off circuit tap changer)		+2x2.5%-2x2.5%	-
Connections		DELTA	WYE
Conductor Material		CU	CU
Guaranteed Performance Data	at Nominal Tap, 75@°C		
No load loss	[W]	2200	(+15% Tolerance)
Load loss	[W]	14100	(+15% Tolerance)
Total loss	[W]	16300	(+10% Tolerance)
Impedance	[%]	6	(±10% Tolerance)
Preliminarily Dimensions, approximately			
Length	[mm]	1795	(±10% allowance)
Width	[mm]	1139	(±10% allowance)
Height	[mm]	1533	(±10% allowance)
Oil Weight	[kg]	516	(±10% allowance)
Total Weight	[kg]	2937	(±10% allowance)
Accessories:			
- Rating plate , Lifting Lug , Drain Plug , Tanking Earth , Off-Load Tap Changer			Tank: Carbon Steel
- Bi-directional roller-(Diameter,C-C) :	125 / 670		Painting: Electrostatic painting
- High Voltage Bushing :	Porcelain Bushing DT20NF250		Color: RAL7033,80-120µm , C4
- Low Voltage Bushing :	Porcelain Bushing DT1/2000		Customer termination:
- DGPT2			Primary
- Pressure Relief Valve without contact ,T10			Secondary
		Terminals IP	IP00
		Type via cable	IP00
		Position Top	via cable
			Top

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.

