



# Transformer Technical Data Sheet

EGTRA/TEC/01/02

10th RAMADAN CITY - EGYPT

Date	: Tuesday, November 26, 2019	Registration No	:
Customer / Project Name	:	ABB Design Code	:

## General Specification

Transformer Type	3-Phase Distribution Oil Immersed Transformer		
Oil Filling	Class A Mineral Oil acc. To IEC 296		
Standard	IEC 60076		
Installation	Outdoor		
Type Of Oil Sealing	Hermrtically-Sealed		
Phase	3		
Frequency [Hz]	50		
Vector group	Dyn11		
Type of cooling	ONAN		
Terminals Protection degree	IP00		
Altitude (below -) [m]	1000		
Ambient Temperature [ °C ]	40		
Average Oil Temperature rise [K]	60		
Average Winding Temperature rise [K]	65		
Winding	Primary	Secondary	
Rated Power [kVA]	2000	2000	
Rated Voltage @ No-Load [V]	33000	400	
Maximum systgem Voltage [kV]	36	1.1	
BIL (Basic Impulse Withstand Level) [kV]	170	10	
Power Frequency withstand Level [kV]	70	3	
Tapping (Off circuit tap changer)	+2/-2 steps X 2.5 %		
Connections	WYE	DELTA	
Insulation class	A	A	
Conductor Material	Copper	Copper	

## Guaranteed Performance Data @75°C

No load loss [W]	2800	(+15% Tolerance)
Load loss [W]	22000	(+15% Tolerance)
Total loss [W]	24800	(+10% Tolerance)
Impedance [%]	6.8	(±10% Tolerance)

## Overall Dimension & Weight

Length [mm]	2160	(±10% allowance)
Width [mm]	1460	(±10% allowance)
Height [mm]	1860	(±10% allowance)
Oil Weight [kg]	830	(±10% allowance)
Total Weight [kg]	4600	(±10% allowance)

## Accessories

- Rating plate , Lifting Lug , Drain with sampling device , Tanking Earth , Off-Load Tap Changer	
- Bi-directional Roollers-(Diameter,C-C)	: 160 mm / 820 mm
- High Voltage Bushing	: Porcelain Bushing - DT20NF/250A
- Low Voltage Bushing	: Porcelain Bushing - DT1/3150A
- Dial Type Thermometer	
- OIL Level Indicator	
- Pressure Relief Valve	

## Notes

- Other accessories which are not mentioned in the above statements are not included.
- 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.

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