



Transformer Technical Data Sheet

EGTRA/TEC/01/02

10th RAMADAN CITY - EGYPT

Date	: Thursday, September 10, 2020	Registration No	: ORN 200063
Customer / Project Name	: ABB Cote D'Ivoire	ABB Design Code	: TOA-630/36XF5R

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	Hermetically 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]	630	630	
Rated Voltage [V]	33000	410	
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	DELTA	WYE	
Insulation class	A	A	
Conductor Material	Aluminuim	Aluminuim	

Guaranteed Performance Data @75°C

No load loss [W]	1450	(+15% Tolerance)
Load loss [W]	8200	(+15% Tolerance)
Total loss [W]	9650	(+10% Tolerance)
Impedance [%]	4.5	(±10% Tolerance)

Overall Dimension & Weight

Length [mm]	1625	(±10% allowance)
Width [mm]	1019	(±10% allowance)
Height [mm]	1552	(±10% allowance)
Oil Weight [kg]	549	(±10% allowance)
Total Weight [kg]	2231	(±10% allowance)

Accessories

- Rating plate , Lifting Lug , Drain Plug , Tanking Earth , Off-Load Tap Changer	
- Bi-directional Roollers-(Diameter,C-C)	: 125 mm, 670 mm
- High Voltage Bushing	: Plug In 36KV/400A
- Low Voltage Bushing	: Bus Bar Bushing - BT1/1600A
- Pressure Relief Device	
- DGPT2	

Notes

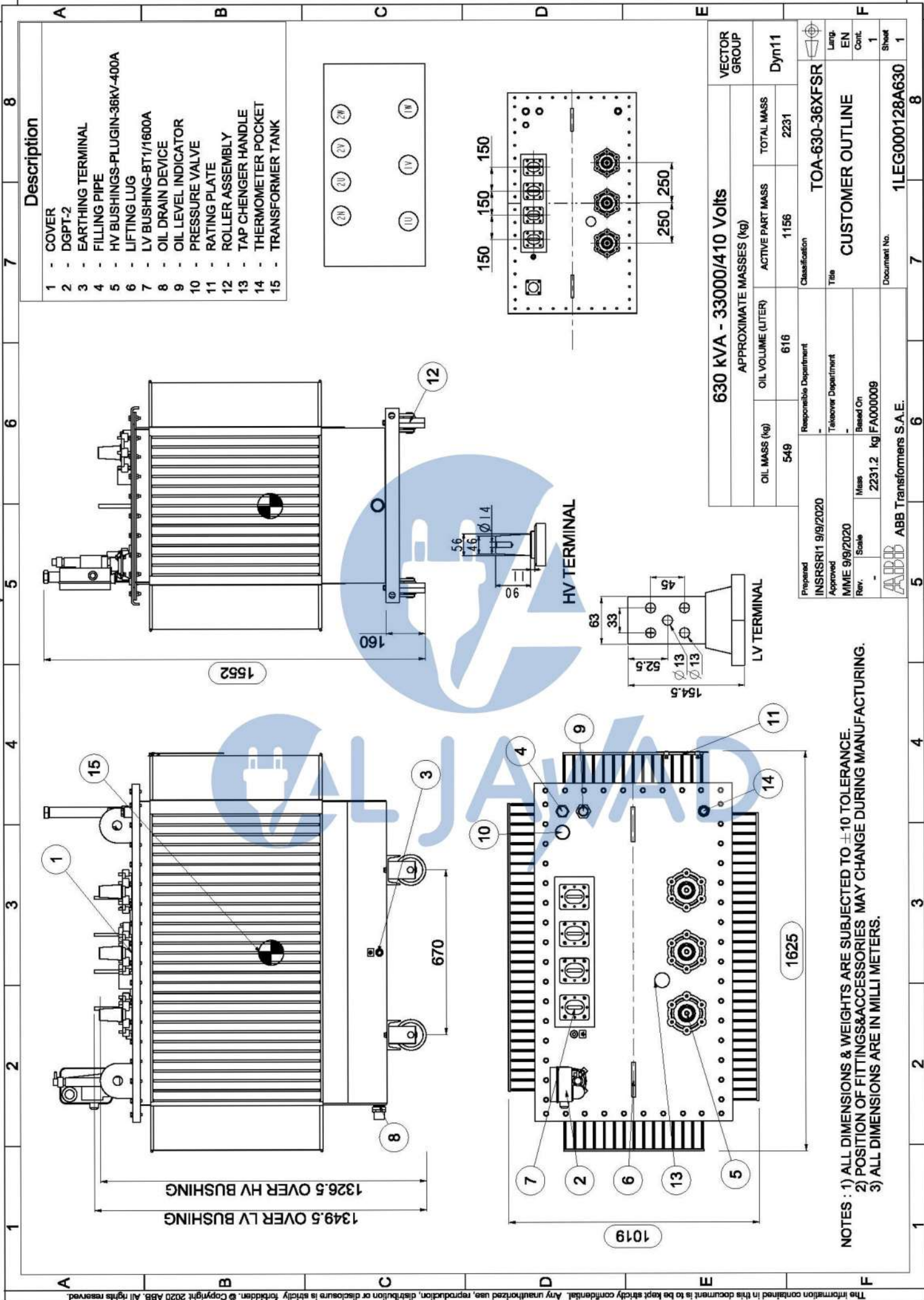
- Other accessories which are not mentioned in the above statements are not included.
- Tests: Routine tests according IEC standard.
- The tolerances for all guaranteed values are subject to IEC standard.
- If no other standards or rules are specified, transformers are manufactured according to IEC standard.

Issued by : M.Abdel Meguid

Signature : MAM

Site web : www.aljawad.ci | Email : aljawad@aljawad.ci

(+225) 27 21 25 35 27



Description	
1	- COVER
2	- DGPT-2
3	- EARTHING TERMINAL
4	- FILLING PIPE
5	- HV BUSHINGS-PLUGIN-36KV-400A
6	- LIFTING LUG
7	- LV BUSHING-BT1/1600A
8	- OIL DRAIN DEVICE
9	- OIL LEVEL INDICATOR
10	- PRESSURE VALVE
11	- RATING PLATE
12	- ROLLER ASSEMBLY
13	- TAP CHANGER HANDLE
14	- THERMOMETER POCKET
15	- TRANSFORMER TANK

VECTER GROUP	
APPROXIMATE MASSES (kg)	
OIL MASS (kg)	549
OIL VOLUME (LITER)	616
ACTIVE PART MASS	1156
TOTAL MASS	2231
Classification	
TOA-630-36XF5R	
Title	
CUSTOMER OUTLINE	
Document No.	
1LEG000128A630	
Lang.	
EN	
Cont.	
1	
Sheet	
1	

630 kVA - 33000/410 Volts	
Responsible Department	
Takeover Department	
Prepared	INSRSR11 9/9/2020
Approved	MME 9/9/2020
Rev.	Scale
Mass	2231.2 kg FA000009
Based On	
ABB Transformers S.A.E.	

NOTES : 1) ALL DIMENSIONS & WEIGHTS ARE SUBJECT TO ±10 TOLERANCE.
 2) POSITION OF FITTINGS&ACCESSORIES MAY CHANGE DURING MANUFACTURING.
 3) ALL DIMENSIONS ARE IN MILLI METERS.