

SPECIFICATION
OIL IMMERSED TRANSFORMER
2000 KVA. 3 Ph. 50 Hz
22000 - 400 / 230 V.

TCT THAI CENTER TRANSFORMER CO.,LTD

SPECIFICATION THREE PHASE TRANSFORMER

Address : 67 / 1 Moo. 7 T. Bangkam A. Maung Nakhonpathom 73000

Tel. 081 - 8054856 , 034 - 219036 Fax 034 - 984092 <http://www.thaicentertransformer.com> e - mail : thaicenter671@gmail.com

Transformer Specification

Quote. Ref :

Customer :

Project :

Rated power	.....KVA	2000
Type of transformer	-	Oil immersed (CONSERVATOR TANK)	
Standard	-	IEC 76	
Cooling System	-	ONAN	
No. Of phase	-	3	
Frequency	.....Hz	50
Rate of voltage : Primary	.....V.	22000
: Secondary	.....V.	400/230
Vector group	-	Dyn 11	
Tapping Type	-	Off Circuit Tap Changer	
No. of steps	-	5	
Percentage of tapping	-	$\pm 2 \times 2.5 \%$	
Impedance voltage at 75 C	.....%	4
NO - Load current	.....%	1
Ambient temperature	.....C	40
Average Temperature rise of winding	.....C	65
Average Temperature rise of top oil	.....C	60
Noise level not more than	.....dB	56
No - Load loss	.....Watt	2110
Load loss at 75 C	.....Watt	21600
Efficiency at P.F. = 1	: 25 % of rate power%	98.94
	: 50 % of rate power%	98.08
	: 75 % of rate power%	98.79
	: 100 % of rate power%	98.56
Voltage regulation	: at P.F. = 0.8%	3.22
	: at P.F. = 0.9%	2.71
	: at P.F. = 1.%	1.17
Impulse Withstand Voltage	: Primary windingKV.	125
	: Secondary windingKV.	-
Power Frequency	: Primary windingKV.	50
	: Secondary windingKV.	3
Terminal arrangement H.V. Side			Cable
L.V. Side			Cable
Installation on			Pole mounted / Platform

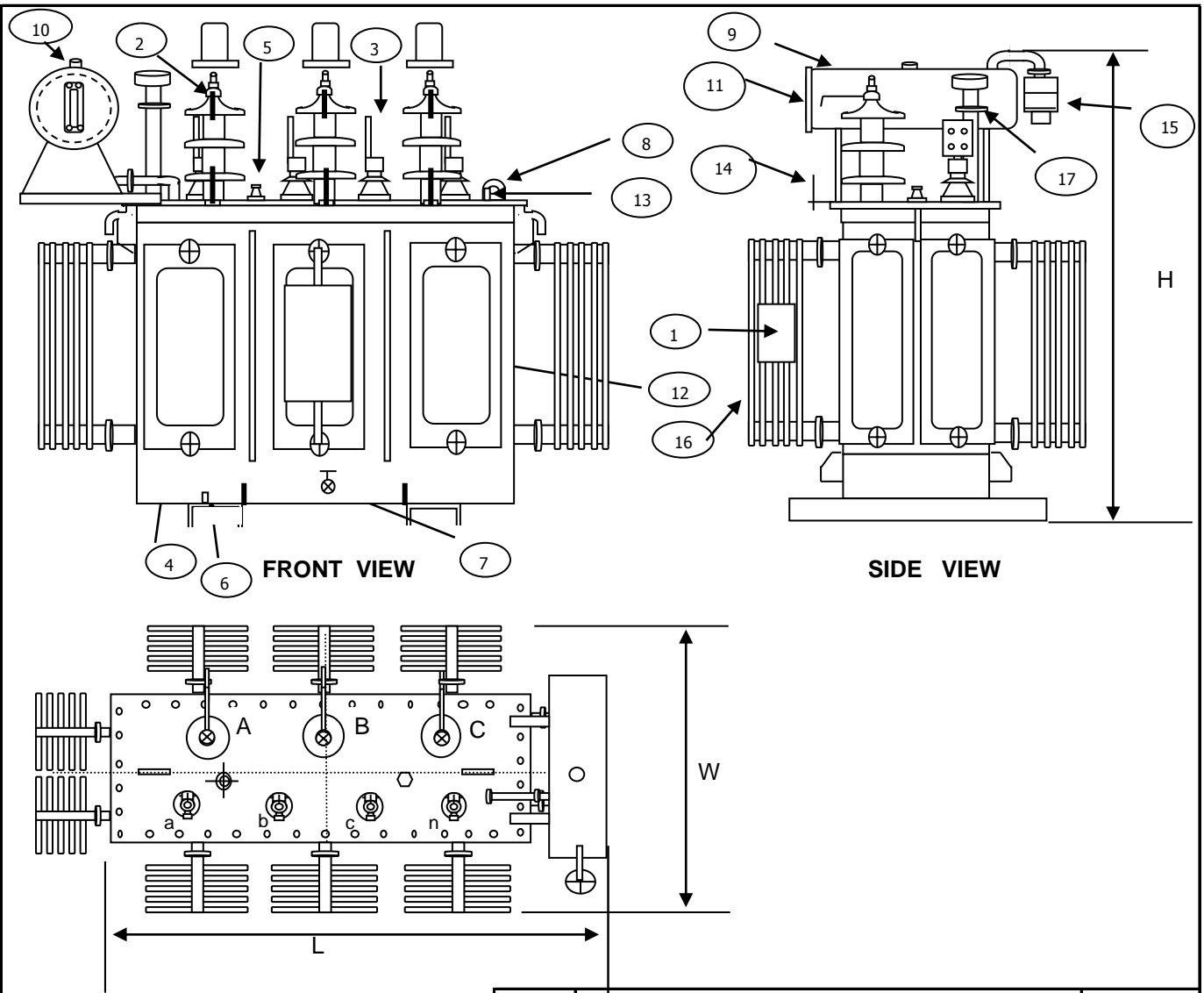
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Rated power	2000
Type of transformer	Oil immersed (CONSERVATOR TANK)
Accessories	
H.V. Bushing with terminal connector	Included
L.V. Bushing with terminal connector	Included
Grounding pad or earth terminal	Included
upper filter press sampling valve	Included
Oil drain, filter press sampling valve	Included
Name plate	Included
Arcing Horn	Included
Skid Base	Included
Mechanical pressure relief device	Included (without contact)
Oil level indicator	Included (with contact)
	Included (with contact)
	Included (with contact)
Testing	
- Routine test	
Ratio test at each position of tap	Included
Polarity and phase relation test	Included
Resistance measurement	Included
No - Load loss and exciting current test	Included
Impedance and load loss test	Included
Applied potential test	Included
Induced potential test	Included
Insulation resistance test	Included
Oil test	Included
- Special test	
Impulse withstand test	Included (Thaicenter lab)
Temperature rise test	Included (Thaicenter lab)



NO	DESCRIPTION	QTY.
1	NAMEPLATE WITH CONNECTION DIAGRAM	1
2	HV. BUSHING W / TERMINAL CONNECTOR	3
3	LV. BUSHING W / TERMINAL CONNECTOR	4
4	TANK	1
5	TAP CHANGE	1
6	EARTH TERMINAL	1
7	OIL DRAIN VALVE	1
8	LIFTING EYES ON THE COVER	2
9	CONSERVATOR TANK	1
10	OIL FILLING CAP	1
11	OIL LEVEL GAUGE	1
12	LOGO	1
13	THERMOMETER POCKET	1
14	ARCING HORN	3
15	DEHYDRATING BREATHER SILICAGEL	1
16	CORRUGATED FIN	1
17	PRESSURE RELIEF DEVICE	1

THAI CENTER TRANSFORMER CO.,LTD				
Dimension in millimetres			Total wt.	Oil
H	L	W	(Kgs.)	(Litres)
2470 mm	2640 mm	1910 mm	5620	1650

DESIGN No. 002000TCT 090052 **S/O No.** A090052

NAME	TITLE : OUTLINE DRAWING 2000 kVA. 3 Ph. Dyn11 22000 - 400 / 230 TYPE : CONSERVATOR TANK
DRN.BY	
CHK.BY	
APP. BY	

PRELIMINARY DRAWING
This drawing is for estimation only showing approximate dimensions and should not be used for actual purposes
In case of order a definite drawing will be produced for formal approval