

**HENAN GNEE ELECTRIC CO., LTD.**

## **SPECIFICATION**

**OIL IMMERSED TRANSFORMER**

**1500 KVA. 3 Ph. 50 Hz**

**22000 -400/230 V.**

## 1. Transformer Core Specification Table

<b>Rated power</b>	<b>.....KVA</b>	<b>1500</b>
Type of transformer	-	Oil immersed ( Hermetical sealed tank )
Standard	-	IEC 76
Cooling System	-	ONAN
No. Of phase	-	3
Frequency	.....Hz	50
Rate of voltage : Primary	.....V.	22000
: Secondary Vector group	.....V.	400/230
Tapping Type	-	Off circuit tap changer
No. of steps	-	5
Percentage of tapping	-	+ 2 x 2.5 %
Impedance voltage at 75 C	.....%	4
NO - Load current	.....%	1
Ambient temperature	.....C	40
Average Temperature	.....C	65

<b>Rated power</b>		<b>.....KVA</b>	<b>1500</b>
rise of winding			
Average Temperature		.....C	60
rise of top oil			
Noise level not more		.....dB	56
than			
No - Load loss		.....Watt	1820
Load loss at 75 C		.....Watt	17850
	: 25 % of rate	.....%	98.94
	power		
	: 50 % of rate	.....%	98.08
Efficiency at P.F. = 1	power		
	: 75 % of rate	.....%	98.79
	power		
	: 100 % of rate	.....%	98.56
	power		
Voltage regulation	: at P.F. = 0.8	.....%	3.22
	: at P.F. = 0.9	.....%	2.71
	: at P.F. = 1.	.....%	1.17
Impulse Withstand	: Primary		
Voltage	winding	.....KV.	125

<b>Rated power</b>	<b>.....KVA</b>	<b>1500</b>
	: Secondary winding	.....KV. -
Power Frequency	: Primary winding	.....KV. 50
	: Secondary winding	.....KV. 3
Terminal arrangement		Cable
H.V. Side		
L.V. Side		Cable
Installation on		Pole mounted / Platform

**2. Parts List Table 1**

<b>NO</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
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 VALAE	1

NO	DESCRIPTION	QTY.
8	LIFTING EYES ON THE COVER	2
9	OIL LEVEL INDICATOR	1
10	OIL FILLING PIPE	1
11	OIL LEVEL GAUGE	1
12	LOGO	1
13	THERMOMETER POCKET	1
14	ARCING HORN	3

### 3. Dimension & Weight Table 1

Dimension in millimetres			Total wt. Oil	
H	L	W	( Kgs.)	( Litres )
2250 mm	2470 mm	1580 mm	3720	880
DESIGN No.	001500TR0052003		S/O No. A52001	
NAME	TITLE : OUTLINE DRAWING 1500 KVA. 3 Ph. Dyn11			
DRN.BY				

**Dimension in  
 millimetres**

**Total wt. Oil  
 ( Kgs.) ( Litres )**

CHK.BY 22000 - 400 /  
 230 v.

APP. BY TYPE : Hermeticall  
 sealed tank

**4. Parts List Table 2**

<b>NO</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
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 VALAE	1
8	LIFTING EYES ON THE COVER	2
9	OIL LEVEL INDICATOR	1
10	OIL FILLING PIPE	1
11	OIL LEVEL GAUGE	1
12	LOGO	1

NO	DESCRIPTION	QTY.
13	THERMOMETER POCKET	1
14	ARCING HORN	3

### 5. Dimension & Weight Table 2

	Dimension in millimetres			Total wt. ( Kgs.)	Oil ( Litres )
	H	L	W		
	2250 mm	2470 mm	1580 mm	4500	1250
DESIGN No.		001500TCT0052003		S/O No. A52001	
NAME			TITLE : OUTLINE DRAWING		
DRN.BY			1500 kVA. 3 Ph. Dyn11		
CHK.BY			22000 - 400 / 230		
APP. BY		TYPE : CONSERVATOR TANK			

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