

# ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

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## TEST REPORT

Sheet : 1 OF 7

<b>NAME AND ADDRESS OF CUSTOMER</b>  <b>TRIO TRANSFORMER</b> 3014, PHASE IV, NEAR GAYATRI WEIGH BRIDGE, G.I.D.C., VATVA, AHMEDABAD, GUJARAT-382445	<b>REPORT NO.:</b> RP-2425-029759 <b>DATE OF ISSUE :</b> 02/01/2025	
	<b>CUSTOMER REF. NO.</b>	<b>DATE</b>
	LETTER	11/12/2024
	<b>DATE OF SAMPLE RECEIPT</b>	<b>DATE OF TESTING</b>
	16/12/2024	25/12/2024 & 26/12/2024
<b>SAMPLE DESCRIPTION</b>  <b>DRY TYPE TRANSFORMER</b>  Manufactured by : TRIO TRANSFORMER Rating : 25 kVA Rated voltage : 800/415 V (at no- load) Rated current : 18.04/34.78 Amps Phases : 3/3  Further details as per sheet no. 2 OF 17.	<b>SAMPLE IDENTIFICATION</b>  ERDA serial Number: ERDA-00610481  MFG. SR. NO.: 8100  Year of manufacture : 2024  Enclosed Drawing numbers: 1) TT-25KVA-R&D-01 SH. NO.: 1/1 2) TT-25KVA-GA-02 SH. NO.: 1/1	
<b>TEST DETAILS</b> As per sheet 3 OF 7	<b>TEST SPECIFICATION</b> As per sheet 3 OF 7	
<b>TEST RESULTS :</b> As per sheets 4 OF 7 to 6 OF 7.		
<b>ENCLOSURE :</b> Photographs of test sample – As per sheet 7 OF 7.		
<i>Abhishek</i> <b>CHECKED BY</b>	<i>Shambhu</i> <b>APPROVED BY</b> <b>(Shambhu patel)</b>	
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TEST REPORT NO.: RP-2425-029759

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## TECHNICAL SPECIFICATIONS OF TEST OBJECT ASSIGNED BY CUSTOMER

1.	Name of Manufacturer	TRIO TRANSFORMER
2.	Sr. No.	8100
3.	kVA rating	25
4.	Rated Voltage H.V.(Volts)	800
5.	Rated Voltage L.V.(Volts)	415
6.	Rated Current H.V.(Amp.)	18.04
7.	Rated Current L.V.(Amp.)	34.78
8.	Number of phases	3
9.	Vector Group	Dyn11
10.	Winding Material	Copper
11.	Type of Cooling	AN
12.	Frequency (Hz)	50
13.	Guaranteed percentage impedance at 75°C	3 % (+/- 10% tolerance)
14.	Guaranteed no-load loss (Watts)	175
15.	Guaranteed load loss at 75°C (Watts)	450
16.	Guaranteed Total loss (Watts)	625
17.	Class of Insulation	F
18.	Guaranteed maximum temperature-rise of winding (°C)	100
19.	Year of Manufacture	2024
20.	Standard no.	As per customer's requirement

*Abhishek*  
CHECKED BY

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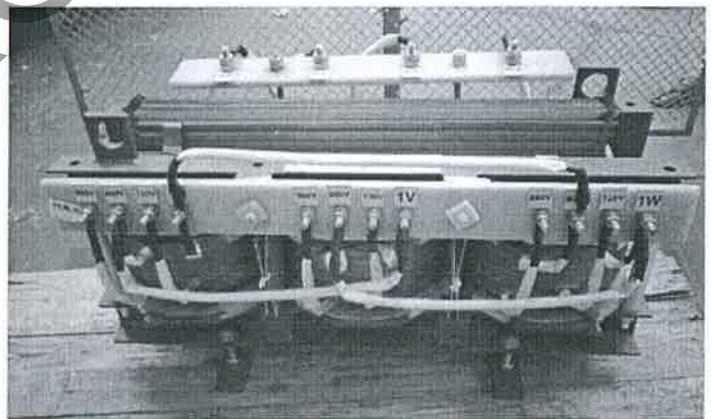
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## PHOTOGRAPHS OF TEST SAMPLE

Manufactured by:- TRIO TRANSFORMER		ADDRESS: 3014-B Phase IV, Near Geyatri Weigh Bridge, GIDC, Vatva, Ahmedabad-382445 (Gujarat)	
<b>DRY TYPE ISOLATION TRANSFORMER</b>			
Sr. No.	8100	Rating	25 KVA
Rated Primary Voltage	800 V	Rated Primary Current	18.04 A
Rated Secondary Voltage	415 V	Rated Secondary Current	34.76 A
Rated Frequency	50 Hz	Type of Cooling	AN
Class of Insulation	F	Temp. Rise of Winding (K)	100
No. of Phase	3 Phase	Year of Manufacture	2024
Vector Group	Dyn 11	Test Specify Standard	IS 2026 & 11171
Winding Material	Copper		
Tappings On Primary Winding	880 V - 800 V - 720 V		
CUSTOMER NAME:			



*Ablisbell*

CHECKED BY

\*\*\*\*\* End of Test Report \*\*\*\*\*




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DRN	JPS	10.12.24
(C-1)	RD	
RATING & DIAGRAM PLATE OF TRANSFORMER		
25 KVA		
REV NO.	DATE & SIGN	BRIEF RECORD

TRIO TRANSFORMER  
3014, PHASE IV, NEAR GAYATRI WEIGH BRIDGE,  
G.I.D.C., VATVA, AHMEDABAD-382445

SCALE Sh No  
NTS 1/1



DRG. NO. TT-25KVA-R&D-01

MANUFACTURED BY: TRIO TRANSFORMER

ADDRESS: 3014, PHASE IV, NEAR GAYATRI WEIGH BRIDGE,  
G.I.D.C., VATVA, AHMEDABAD-382445

**DRY TYPE ISOLATION TRANSFORMER**

Sr. No.	8100	Rating	25 KVA
Rated Primary Voltage	800 V	Rated Primary Current	18.04 A
Rated Secondary Voltage	415 V	Rated Secondary Current	34.78 A
Rated Frequency	50 Hz	Type of Cooling	AN
Class of Insulation	>F	Temp. Rise of Winding (°C)	100
No. of Phase	3 Phase	Year of Manufacturer	2024
Vector Group	Dyn 11	Test Specify Standard	IS 2026 & 11171
Winding Material	Copper		
Tappings On Primary Winding	880 V - 800 V - 720 V		

CUSTOMER NAME:



**ERDA, MAKARPURA**

Test Report No. RP-2425-029A-59

Date 21/12/25

Product 25KVA Transformer

Verified by [Signature]

The drawing has been used for reference only.

REF / 12-001