



**ERTO**

Quality Assurance Laboratory

**Electrical Research & Testing organisation™**

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. Of India)

By Hand / Courier

Date:-19/03/2022

ERTO Reference:- ERTO/WO/2122/559

To,

**M/s. TRIO TRANSFORMER**  
3014-B, Phase – IV,  
Near Gayatri Weight Bridge,  
G.I.D.C Vatva,  
Ahmedabad  
Gujarat – 382 445  
INDIA

Contact Person :- Shri Dilip Bhai  
Contact No. :- +91 98251 78808

Reference no.: Letter, Dated 14/02/2022

Dear Sir,

With reference to your communication referred above, we are pleased to submit our test report no. ERTO/TRP/2122/0787 Dated 16/03/2022 & Invoice no. ERTO/2122/582 Dated 16/03/2022 for the test sample offered by you.

In order to improve our services your feedback in the attached feedback form shall be appreciated.

In case of any complaint of disagreement regarding the testing results, please inform immediately but not later than 15 days.

Thanking you,

Yours faithfully,  
S.B.Diwan

HOL

Email : [sb.diwan@erto.in](mailto:sb.diwan@erto.in)

Phone :02667-264007

Encl:

1. Test report no. : ERTO/TRP/2122/0787
2. Invoice : ERTO/2122/582
3. Feedback form



TC-6229

# Electrical Research & Testing Organisation

Plot No.747, B/h Gurukrupa Farm, Manjusar Village, Savli Vadodara Main Road, Vadodara; Gujarat; India. 391775.

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**ERTO**

Quality Assurance Laboratory



Report No.: ERTO/TRP/2122/0787

ULR No.: TC62292200000149F

Date: 16/03/2022

## Technical Specification of Test Sample declared by customer

1. Test sample : 80 kVA DRY TYPE ISOLATION TRANSFORMER (CRGO CORE)
2. Name of manufacture : TRIO TRANSFORMER
3. Serial No. : 10214
4. Rating : 80 kVA
5. Rated no load Primary Voltage/Secondary Voltage : 415/235 Volt
6. Rated Primary Current/Secondary Current: 111.30/196.55 Amp.
7. Number of phases : 3-Phase
8. Connection Primary/Secondary : Delta/Star
9. Frequency : 50 Hz
10. Type of cooling : AN
11. Percentage Impedance : 4.0 % (IS Tol.)
12. Vector group : Dyn11
13. Temperature rise of winding : 100°C
14. Winding material : Copper
15. Year of manufacture : 2022
16. Class of insulation : F
17. No-load loss : 200 W (IS Tol.)
18. Load loss at 120°C : 1800 W (IS Tol.)
19. Basic insulation level of winding : 03 kVrms
20. Tapping details :

Primary (volts)	Secondary (volts)
440	235
415	235
400	235
380	235
360	235

  
Prepared By



  
Checked By

A 059708



TC-6229

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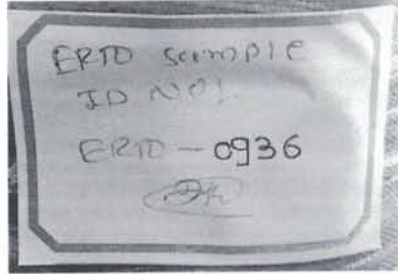


Report No.: ERTO/TRP/2122/0787

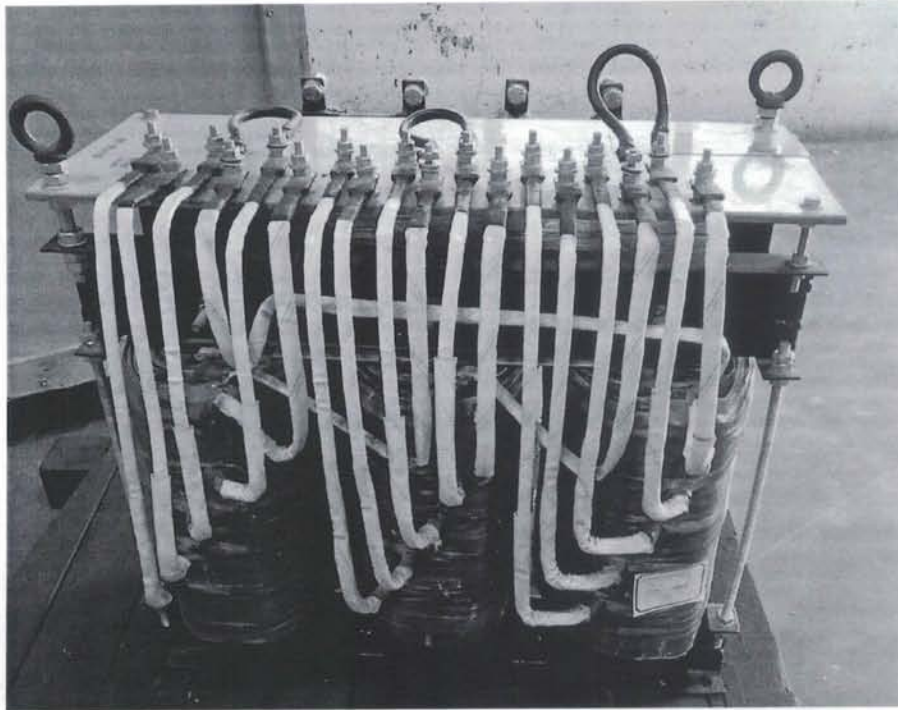
ULR No.: TC622922000000149F

Date: 16/03/2022

ERTO Sample ID No. : ERTO-0936



Test Sample photo



Prepared By



Checked By

059709



**NOTE:-**  
 (1) ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.  
 (2) MATERIAL OF R&D PLATE :- ALUMINIUM  
 (3) SIZE :- 175 x 50 x 0.7mm Thk.

<b>Manufactured by:- TRIO TRANSFORMER</b>		<b>ADDRESS: 3014-B Phase IV, Near Gayatri Weigh Bridge, GIDC, Vatva, Ahmedabad-382445(Gujarat)</b>	
<b>DRY TYPE ISOLATION TRANSFORMER</b>			
Sr. No.	10214 *	Rating	80 KVA
Rated Primary Voltage	415 V	Rated Primary Current	111.30 A
Rated Secondary Voltage	235 V	Rated Secondary Current	196.55 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 Manufacture	2022
Vector Group	Dyn 11	Guaranteed % Impedance at 120 °C	4.00 (+/- 10%)
Guaranteed No Load Loss	200 Watts(+/-10%)	Guaranteed Load Loss at 120 ° C	1800 Watts (+/- 10%)
Winding Material	Copper	Test Specify Standard	IS 2026-11
Tappings On primary Winding	440-415-400-380-360 V		

**CUSTOMER NAME:**

DRN	SSR	13.02.22	 SCALE: 1/1 W.O.NG. --- DRG.NO. T1-R&D-80KVA-01
CHD	R.S	13.02.22	
APPRO	R.S	13.02.22	
<b>RATING &amp; DIAGRAM PLATE FOR TRANSFORMER</b>			
REV DATE NO. & SIGN	BRIEF RECORD	80 KVA, 415/230 V	

Test Report No. ERTO/RT/2024/0287  
 Date 16/3/22  
 Sample 80 KVA  
(Signature)  
 For visual identification only

