



TEST REPORT No. 041125/2

Customer : UNELECTRIC C.A. **Serial No.:** 041125/2
MF Job No. 652/25 **Project No. :** 1000TrPn12,47/0,208

RATING PLATE DATA

Rated Power (kVA) :	1000	Type :	CAST-RESIN
Primary Voltage (kV) :	12,47 ±2×2,5%	Frequency (Hz) :	60
Primary Current (A) :	46,3	Thermal Insulation Class :	F / F
Primary Insul. Class (kV) :	FI 38 IA 95	Temperature Rise (K) :	100 / 100
Secondary Voltage (V) :	208	Climatic Class :	C2
Secondary Current (A) :	2776	Environmental Class:	E2
Secondary Insul. Class (kV) :	FI 3 IA -	Fire Behaviour Class :	F1
Connection Group :	Dyn11	Transformer Weight (Kg) :	2200
Short-circuit Voltage (%) :	7		

TRANSFORMER RATIO MEASUREMENT AND CHECK OF POLARITY AND CONNECTIONS

Tap-Changer Pos.	Primary Voltage	Secondary Voltage	U-Phase	V-Phase	W-Phase	Nominal Ratio
+ + 1	13094	208	108,92	108,92	108,92	109,03
+ 2	12782	208	106,32	106,32	106,32	106,44
0 3	12470	208	103,72	103,72	103,72	103,84
- 4	12158	208	101,12	101,12	101,12	101,24
- - 5	11847	208	98,52	98,52	98,52	98,65

The polarity and connection check have been carried out during the transformer ratio measurement.

Measured Connection: **Dyn11**

WINDING RESISTANCE MEASUREMENT

MV	R-1U1V	1,2847	Ohm	Measured at ambient temperature : 16,7 ° C	LV	R-2U2V	0,2777	mOhm
	R-1V1W	1,2831	Ohm			R-2V2W	0,2745	mOhm
	R-1W1U	1,2856	Ohm			R-2W2U	0,2757	mOhm

Name and signature of authorized person: SANDRINI MATTIA	Date 06/03/26	Witnessed by :
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INSULATION TEST WITH APPLIED VOLTAGE

Testing Winding	Grounded Winding	Tap-Changer Position	Test Voltage (V)	Test Frequency	Test Duration
MV	LV	0	38000	50 Hz	60 Seconds

During the test no voltage failure occurred.

Result : POSITIVE

Testing Winding	Grounded Winding	Tap-Changer Position	Test Voltage (V)	Test Frequency	Test Duration
LV	MV	0	3000	50 Hz	60 Seconds

During the test no voltage failure occurred.

Result : POSITIVE

INSULATION TEST WITH INDUCED VOLTAGE

Fed Winding	Tap-Changer Position	Test Voltage (V)	Test Frequency	Test Duration
LV	0	416	100 Hz	60 Seconds

During the test no voltage failure occurred.

Result : POSITIVE

MEASUREMENT OF NO-LOAD LOSSES AND NO-LOAD CURRENT

Vm Phase Volt	Vm Line Volt	I U-Phase Ampere	I V-Phase Ampere	I W-Phase Ampere	Im Ampere	Losses Watt	Test Frequency	Io %	Fed Winding	Test Temperature °C
100,08	173	7,528	6,617	8,110	7,418	1242	50 Hz	0,27	LV	16,7

No-Load Losses Reported at 60 Hz (W) : **1652** Contract No-Load Losses (W) : **1800** Tolerance : **+ 15%**

MEASUREMENT OF SHORT-CIRCUIT VOLTAGE, SHORT-CIRCUIT IMPEDANCE AND LOAD-LOSSES

AmbT : 16,7 °C

Vm Phase Volt	Vm Line Volt	I U-Phase Ampere	I V-Phase Ampere	I W-Phase Ampere	Im Ampere	Losses Watt	Test Frequency	Fed Winding	Winding in S/C	Reference Power kVA
268,17	464	27,757	28,248	28,469	28,16	3429	50 Hz	MV	LV	1000

Detected Load-Losses at 120 °C and 60 Hz (W) : **12416** Contract Load-Losses (W) : **13000** Tolerance : **+ 15%**

Detected Short-circuit Voltage at 120 °C and 60 Hz (%) : **7,37** Contract Short-circuit Voltage (%) : **7** Tolerance : **± 10 %**

Name and signature of authorized person: SANDRINI MATTIA	Date 06/03/26	Witnessed by : _____
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Directive 2014/30/EU

DECLARATION OF CONFORMITY

No. 652/25-2

WE



DECLARE THAT

the transformer 1000TrPn12,47/0,208 no. 041125/2

Type

CAST-RESIN

Respects the electromagnetic compatibility requirements

Directive 2014/30/EU

with reference to the harmonized standards

EN61000-6-1 Electromagnetic compatibilty emissions

EN61000-6-3 Electromagnetic compatibility immunity

Name and signature of authorized person

Ing. Festa M.

Date

06/03/26

A handwritten signature in black ink that reads 'Mauro Festa'.

MF *Trasformatori* srl
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WARRANTY

Calcinato, 06/03/26

Starting from this date the transformer is guaranteed for 12 max 18 against any manufacturing defect .

The incorrect use and/or modifications, which have not been expressly approved by the manufacturer - the removal of trade marks included - imply automatically the expiration of this guarantee.

Transformer No.: 041125/2

Signature and stamp
Ing. Festa M.

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