

Type:	TRE FASER	Serial Number:	150G1317319	page 1/1	
Référence Produit:	01347AIR03	Losses level:	AoCk	Year:	2017
Power:	500 kVA	Dielectric weight :	280 kg	Fréquency:	50 Hz
Standard:	IEC 60076 EN 50588-1 R(UE) N° 548/2014				
Cooling:	ONAN	Total weight:	1640 kg	Dielectric:	OLJE
				Connection symbol:	Yyn0

Windings	Nature	Tappings							I (A) RATED
		1	2	3	4	5	6	7	
HV	Aluminium	23100V	22550V	22000V	21450V	20900V	20350V	19800V	13.12
LV	Aluminium	240V							1203

## DIELECTRICAL TEST

SEPARATE SOURCE VOLTAGE				INDUCE VOLTAGE			
	kV	F	Time (s)	Supply	Volts	F (Hz)	Time (s)
LV / HV + ground	3	50	60	On LV side	480	200	30
HV / LV + ground	50	50	60				

## WINDING RESISTANCE MEASUREMENT

Temp 29.0°C

Nominal tapping	HV (Ω)			LV (mΩ)		
	AB	BC	CA	ab	bc	ca
	7.361	7.395	7.399	0.906	0.887	0.905

## TRANSFORMER RATIO MEASUREMENT

TAPPING	VOLTAGE		Theoretical values	Measured values
	HV	LV		
1	23100V	240V	96.25	96.30
2	22550V		93.96	93.97
3	22000V		91.67	91.71
4	21450V		89.38	89.42
5	20900V		87.08	87.07
6	20350V		84.79	84.82
7	19800V		82.50	82.55

## LOSSES MEASUREMENT

TAPPING	HV	Contractual values	Tolerance
No-load losses	491W	510W	
No-load current	0.12%		
Load losses at 75°C	5169W	5500W	
Total losses	5660W	6010W	
Impedance voltage at 75 °C	4.03%	4.00%	± 10%

**Conclusion :** Results of measurements and above mentioned tests are satisfactory.

Installation and commissioning guide Nr : 4087900R03

**Observation :** Transformer free of PCB.

**La Garde:**

Le Responsable des Essais :

H - MOLINARI



Version	Date	Modification
00	13 juin 2017	Initial report

Medium Voltage Division  
TRANSFIX

836, Route Départementale 97  
Lieu-dit: «La CHABERTE»  
83130 La Garde - France  
Tél. +33 (0)4 94 08 74 00  
Fax +33 (0)4 94 75 00 28  
www.groupe-cahors.com

SA au capital de 5040000 €  
312346810 RCS Toulon  
APE 2711Z  
FR 72312346 810