

RT 25087

ENR PFOR 11
version 00

ROUTINE TEST REPORT N°ENR PFOR 11 - 150G1318215

CAHORS

Type:	TRE FASER	Serial Number:	150G1318215	page 1/1	
Référence Produit:	01347ANR03	Losses level:	AoCk	Year:	2018
Power:	500 kVA	Dielectric weight :	265 kg	Fréquence:	50 Hz
Standard:	IEC 60076 EN 50588-1 R(UE) N°548/2014				
Cooling:	ONAN	Total weight:	1460 kg	Dielectric:	OLJE
		Connection symbol:	Dyn11		

Windings	Nature	Tappings							I (A) RATED
		1	2	3	4	5	6	7	
HV	Aluminium	11550V	11275V	11000V	10725V	10450V	10175V	9900V	26,24
LV	Aluminium	415V							696

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	830	200	30
HV / LV + ground	28	50	60				

WINDING RESISTANCE MEASUREMENT

Temp 26,0°C

Nominal tapping	HV (Ω)			LV (mΩ)		
	AB	BC	CA	ab	bc	ca
	2,512	2,483	2,467	2,31	2,291	2,345

TRANSFORMER RATIO MEASUREMENT

TAPPING	VOLTAGE		Theoretical values	Measured values
	HV	LV		
1	11550V	415V	48,20	48,21
2	11275V		47,06	47,07
3	11000V		45,91	45,90
4	10725V		44,76	44,76
5	10450V		43,61	43,61
6	10175V		42,47	42,46
7	9900V		41,32	41,32

LOSSES MEASUREMENT

TAPPING	HV	Contractual values	Tolerance
No-load losses	496W	510W	Max
No-load current	0,16%		
Load losses at 75°C	5468W	5500W	Max
Total losses	5964W	6010W	Max
Impedance voltage at 75 °C	4,23%	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	30 mai 2018	Initial report

Medium Voltage Division
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