



Transfix
GROUPE CAHORS

Reference	01310JHR03	TEST REPORT N°	135120211
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Type	T3 OE 12/100 - TPC	Serial number	135120211	Year	2012
Rated Power	100 kVA	Dielectric weight	150 kg	Frequency	50 Hz
Reference Standard	IEC 60076 . IEC 60076-13		Connection symbol	Yyn0	
Cooling system	ONAN	Total weight	630 kg	Dielectric	OIL

	Nature	Tappings							I (A) Rated
		1	2	3	4	5	6	7	
HV	Copper	11550V	11275V	11000V	10750V	10450V	10175V	9900V	5,25 A
LV	Copper	240V							241 A

DIELECTRICAL TEST							
Separate source voltage				Induced voltage			
	kV	Hz	Time		V	Hz	Time
LV / HV + ground	10 kV	50 Hz	60 s	LV	480	200 Hz	30s
HV / LV + ground	28 kV	50 Hz	60 s				

WINDING RESISTANCE MEASUREMENT										Temperatu 23°C	
Position	HV (Ω)			HV (Ω)			LV (mΩ)			LV (mΩ)	
	3	1U1V	1V1W	1W1U				2U2V	2V2W	2W2U	
14.832		14.853	14.825				7.795	7.789	7.814		

TRANSFORMER RATIO MEASUREMENT								
Position			Contractual Values	Measured Values			Contractual Values	Measured Values
	HV	LV			HV	LV		
1	11550V	240V	48.125	48.11				
2	11275V		46.979	46.96				
3	11000V		45.833	45.83				
4	10750V		44.792	44.68				
5	10450V		43.541	43.51				
6	10175V		42.396	42.39				
7	9900V		41.250	41.24				

LOSSES MEASUREMENT ON RATED TAPPING			Contractual Values	Tolerances
No-load losses		215W	225W	+ 2%
No-load current		0.47%		
Load losses at 75 °C		1647W	1680W	+ 2%
Total losses		1862W	1905W	+ 2%
Impedance voltage at 75 °C		3.80%	4.00%	± 10%

Coordination diagram : 4083739R03

MV Fuse rated current : 20A

Conclusion : Results of measurements and above mentioned tests are satisfactory

Date of edition :

08/06/2012

The test manager :

H - MOLINARI