

Type:	TRE FASER	Serial Number:	150G1319119	page 1/1	
Référence Produit:	01347AQR03	Losses level:	AoCk	Year:	2019
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:	1470 kg	Dielectric:	OLJE
				Connection symbol:	Dyn11 / Dd0

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
LV		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	830	200	30
HV / LV + ground	28	50	60				

WINDING RESISTANCE MEASUREMENT

Temp 22.0°C

Nominal tapping	HV (Ω)			LV (mΩ) - 415V		
	AB	BC	CA	ab	bc	ca
	2.377	2.369	2.366	2.52	2.451	2.425

TRANSFORMER RATIO MEASUREMENT

TAPPING	VOLTAGE		Theoretical values	Measured values
	HV	LV		
1	11550V	415V	48.20	48.22
2	11275V		47.06	47.08
3	11000V		45.91	45.89
4	10725V		44.76	44.75
5	10450V		43.61	43.61
6	10175V		42.47	42.46
7	9900V		41.32	41.32

LOSSES MEASUREMENT

TAPPING	Nominal Tapping	Contractual values	Tolerance
No-load losses	496W	510W	
No-load current	0.18%		
Load losses at 75°C	5469W	5500W	
Total losses	5965W	6010W	
Impedance voltage at 75 °C	4.24%	4.00%	± 10%

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

Installation and commissioning guide Nr : 40100832R03

Observation : Transformer free of PCB.

La Garde:

Le Responsable des Essais :

H - MOLINARI



Version	Date	Modification
00	25 mars 2019	Initial report

Medium Voltage Division
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