



OTTSA
transfix transformers sa



The logo consists of the letters "SABS" in a bold, black, sans-serif font, positioned above a thick horizontal red line. Below the line, the text "ISO 9001" is written in a smaller, black, sans-serif font.

Permit Nr 9516/15090

Reg Nr: LS 4659

TECHNICAL DATA

Non breathing hermetically sealed transformer

phase number	Three	insulating liquid	Oil	oil type	SANS 555
INSTALLATION					
cooling medium	Step down	type	Pole mounted	installation	outdoor
cooling	ONAN	max. sea level	1 800 m		
air ambient temperature	40 °C	normative referencee	SANS 60076	SANS 780	
ELECTRICAL CHARACTERISTIC					
rated power	200 kVA	frequency	50 Hz	vector group	
sound power level	48 dBA	temperature rise	60 K3	winding	Dyn11
		no load losses	360 W		65 K
		load losses at 75°C	2 700 W		
		total losses	3 060 W		
		Primary	Secondary		
voltage	11 000 V		415 V		
Off-load tap changing (%)	+2 x 3%				
Off-load tap changing (V)	+2 x 330V (+0.4 %)				
vector group	D		yn		
Highest voltage for hte equipement	12 kV		1.1 kV		
Power frequency withstand voltage	28 kV		3 kV		
Rated lightning impulse voltage	95 kV		30 kV		
Short-circuit impedance	4.5 % (+10%)				
rated current	10.50 A		278 A		
Winding conductor material	Al		Al		
efficiency	Power factor = 1	Power factor = 0.8	voltage drop	Power factor = 1	Power factor = 0.8
Load =100%	98.49%	98.12%	Load =100%	1.44 %	3.69 %
75%	98.76%	98.46%	80%	1.14 %	2.95 %
50%	98.98%	98.72%			
25%	98.95%	98.70%			
DIMENSIONS					
Drawing	4081448				
TANK PROTECTION					
Use in corrosive environment "Coastal".					
SANS 780.8.23.4.1: Sand Blasting Profile 50 µ - 75 µ					
SANS 780.8.23.4.2.b: Zinc Spraying 50 µ - 75 µ					
SANS 780.8.23.4.3a: Phenolated Alkyd primer 50 µ - 55 µ					
Alkyd intermediate 50 µ - 55 µ + Alkyd top coat 25 µ - 35 µ					
TESTS					
Routine tests systematically performed on each transformer and object of a certificate :					
<ul style="list-style-type: none"> - Voltage ratio measurement - Winding resistance measurement - Short duration power withstand voltage on each winding - Short-circuit characteristics measurement . 					
<ul style="list-style-type: none"> - Load losses, Short-circuit impedance - No-load losses and current measurement - Induced voltage withstand test at twice the rated voltage during 30 seconds at 200Hz 					

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