

Non breathing hermetically sealed transformer

 phase number **Three** insulating liquid **Oil** oil type **SANS 555**
INSTALLATION

 cooling medium **Step down** type **Pole monted** 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 **25 kVA** frequency **50 Hz** vector group **Yzn11**
 sound power level **48 dBA** temperature rise **60 K** winding **65 K**
 no load losses **100 W +15%**
 load losses at 75°C **570 W +15%**
 total losses **670 W +10%**

	Primary	Secondary
voltage	22, 000 V	420V
Off-load tap changing (%)	+2 x 2,5%	
Off-load tap changing (V)	+2 x 275V (+-0,4 %)	
vector group	Y	zn
Highest voltage for hte equipment	12 kV	1.0 kV
Power frequency withstand voltage	28 kV	3 kV
Rated lightning impulse voltage	95 kV	30 kV
Short-circuit impedance	3,5 % (+-10%)	
rated current	0.66 A	34 A
Winding conductor material	Cu	Cu

efficiency	Power factor = 1		Power factor = 0,8		voltage drop	Power factor = 1		Power factor = 0,8	
	Load =100%	75%	50%	25%		Load =100%	80%	3,42 %	2,74 %
	97,39%	97,81%	98,10%	97,88%		2,32 %	1,85 %		
	96,76%	97,27%	97,63%	97,36%					

DIMENSIONS

 Drawing **4081297**
TANK PROTECTION

 Sandblasting, zinc plating 60µ epoxy powder 40µ (Total 100µ)
 Finishing: DS14 + DS15

 Color **navy light grey G35**
TESTS
Routine tests systematically performed on each transformer and object of a certificate :

- Voltage ratio measurement
- Winding resistance measurement
- Short duration power withstand voltage on each winding
- Short-circuit characteristics measurement .
- 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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