



TECHNICAL DATA n°

F1305HE 00

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 ESKOM 34-346-0**

ELECTRICAL CHARACTERISTIC

rated power **50 kVA** frequency **50 Hz** vector group **Yzn11**
 sound power level **48 dBA** temperature rise **60 K** winding **65 K**
 no load losses **145 W +15%**
 load losses at 75°C **1,000 W +15%**
 total losses **1,145 W +-10%**

	Primary	Secondary
voltage	22,000 V	420 V
Off-load tap changing (%)	+2 x 3%	
Off-load tap changing (V)	+2 x 660V (+-0.4 %)	
vector group	Y	zn
Highest voltage for hte equipement	24 kV	1.0kV
Power frequency withstand voltage	50 kV	3 kV
Rated lightning impulse voltage	150 kV	30 kV
Short-circuit impedance	3.5 % (+-10%)	
rated current	1.31 A	69 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%	97.76%	97.22%	Load =100%	2.04 %	3.33 %
75%	98.15%	97.70%	80%	1.63 %	2.66 %
50%	98.44%	98.06%			
25%	98.37%	97.97%			

DIMENSIONS

Drawing **4081155**

TANK PROTECTION

Sandblasting, epoxy powder 40µ (Total 40µ)
 Finishing: DS14 + DS15

Color **avocado C12**

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 40 seconds at 150Hz

Societe Nouvelle TRANSFIX Toulon

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