

A. GENERAL CHARACTERISTICS

Design standards	:	IEC 76
Transformer type	:	Hermetically Sealed Totally Oil Filled
Service Condition	:	Indoor
Type of oil	:	Mineral Oil Class 1 acc. to IEC 296
Number of phase	:	3 Phase
Frequency	:	50 Hz

B. TECHNICAL SPECIFICATION

Capacity	:	800	kVA
Primary Voltage	:	20	kV
Secondary Voltage	:	0.4	kV
Vector Group	:	Dyn5	
Cooling	:	ONAN	
Temperature Rise - Oil	:	60	oC
- Winding	:	65	oC
No load losses at nominal voltage	:	1600	Watts
On load losses at principal tapping	:	10000	Watts
Impedance voltage	:	4.5	%
Off load current at nominal voltage	:	1.8	%
Temperature Insulation Class	:	A	
Noise	:	57	dB
Off Circuit Tapping value	:	+/-2.5%; +/-5%	

C. INSULATION CLASS OF THE WINDINGS

		Primary	Secondary
Highest system voltage (kV)	:	24	1.1
Impulse test voltage (kV)	:	125	0
Applied test voltage (kV)	:	50	3

D. EFFICIENCY AND VOLTAGE REGULATION

	Efficiency (%)				Voltage Regulation	
	4/4 load	3/4 load	2/4 load	1/4 load	in Volt	in %
Pf 0.8	98.22	98.52	98.73	98.63	385	3.63
Pf 1.0	98.57	98.81	98.99	98.90	395	1.34

E. APPROXIMATE WEIGHTS AND DIMENSION

Total length	:	1,700	mm
Total width	:	1,020	mm
Total height	:	1,640	mm
Weight of oil	:	540	kg
Weight of core and winding	:	985	kg
Total weight	:	2,100	kg
Approximate Drawing No.	:		
Painting Colour	:	Light Grey RAL 7032	

The above dimensions and masses are approximate and provided to give a general description of our proposed transformer.

Revision	Original		Client / Project:	PRIVATE	No	:	D 2610
Date					Page	:	1 / 2
Est.	FAL						
Chk							
App.							

F. ACCESSORIES

- Name Plate and Rating Plate
- HV Plug in Bushings and LV Porcelain Bushings
- Off Circuit Tap Changer
- Oil Filling Valve
- Oil Draining Valve
- Lifting Lugs
- Grounding Terminal
- Bidirectional Rollers
- Pressure Relief Device Without Contact
- Protection Relay RIS
- Fins Type Radiator

G. DEVIATIONS / EXCEPTIONS

- None

H. NOTES

- None

I. LIST OF TEST

Routine Test :

	Yes	No
- Measurement of the resistance value and checking of polarities :	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Measurement of the ratio on all taps :	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- No load test for measurement of the no load loss and no load current :	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Short circuit test for determination of the on load loss and impedance :	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Applied voltage test :	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Induced voltage test :	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Type test :

- Temperature rise test :	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Full wave impuls test (1.2 / 50 us) :	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Tests other than the above mentioned list needs further confirmation

Revision	Original		Client / Project:	No	: D 2610	
Date				PRIVATE	Page	: 2 / 2
Est.	FAL					
Chk						
App.						