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: 400 kVA
Primary Voltage: 20 kV
Secondary Voltage: 0.4 kV
Vector Group: Dyn5
Cooling: ONAN

- Temperature Rise - Oil: 60 oC
- Temperature Rise - Winding: 65 oC
- No load losses at nominal voltage: 925 Watts
- On load losses at principal tapping: 6100 Watts
- Impedance voltage: 4 %
- Off load current at nominal voltage: 1.9 %
- Temperature Insulation Class: A
- Noise: 56 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

<table>
<thead>
<tr>
<th>Efficiency ( % )</th>
<th>Voltage Regulation in Volt</th>
<th>in %</th>
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</thead>
<tbody>
<tr>
<td>Pf 0.8 97.85</td>
<td>98.22 98.49 98.39</td>
<td>386 3.46</td>
</tr>
<tr>
<td>Pf 1.0 98.27</td>
<td>98.57 98.79 98.71</td>
<td>394 3.46</td>
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E. APPROXIMATE WEIGHTS AND DIMENSION

- Total length: 1,530 mm
- Total width: 840 mm
- Total height: 1,440 mm
- Weight of oil: 280 kg
- Weight of core and winding: 680 kg
- Total weight: 1,175 kg
- Approximate Drawing No.: Light Grey RAL 7032

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

Routine Test:
- Measurement of the resistance value and checking of polarities
- Measurement of the ratio on all taps
- No load test for measurement of the no load loss and no load current
- Short circuit test for determination of the on load loss and impedance
- Applied voltage test
- Induced voltage test

Type test:
- Temperature rise test
- Full wave impuls test (1.2 / 50 us)

Tests other than the above mentioned list needs further confirmation

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G. DEVIATIONS / EXCEPTIONS
- None

H. NOTES
- None