A. GENERAL CHARACTERISTICS

- Design standars: 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: 630 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: 1225 Watts
- On load losses at principal tapping: 8800 Watts
- Impedance voltage: 4 %
- Off load current at nominal voltage: 1.8 %
- Temperature Insulation Class: A
- Noise: 56 dB
- Off Circuit Tapping value: +/-2.5%;+/-5%

C. INSULATION CLASS OF THE WINDINGS

- Primary: Mineral Oil Class 1 acc. to IEC 296
- Secondary: ONAN

D. EFFICIENCY AND VOLTAGE REGULATION

<table>
<thead>
<tr>
<th>Pf 0.8</th>
<th>4/4 load</th>
<th>3/4 load</th>
<th>2/4 load</th>
<th>1/4 load</th>
<th>386</th>
<th>3.39</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pf 1.0</td>
<td>98.43</td>
<td>98.71</td>
<td>98.92</td>
<td>98.89</td>
<td>394</td>
<td>1.47</td>
</tr>
</tbody>
</table>

E. APPROXIMATE WEIGHTS AND DIMENSION

- Total length: 1,750 mm
- Total width: 1,060 mm
- Total height: 1,570 mm
- Weight of oil: 560 kg
- Weight of core and winding: 825 kg
- Total weight: 1,920 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.

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STANDARD PRIVATE 630 KVA (INDOOR)
F. ACCESSORIES
- Name Plate and Rating Plate
- HV Plug in Bushings and LV Porcelain Bushings
- Off Circuit Tap Changer
- Oil Filling Plug
- Oil Draining Valve
- Lifting Lugs
- Grounding Terminal
- Bidirectional Rollers
- Pressure Relief Device Without Contact
- Protection Relay RIS

G. DEVIATIONS / EXCEPTIONS
- None

H. NOTES
- None

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