# Transformer Technical Data Sheet

Date : 20.05.2024
Tender No : 24/1978
Rev. No : 0

Project Name :

Order Code :

## General Characteristics

| | | | | | |
|---|---|---|---|---|---|
| 1. | Type of Product | | : | Hermetically Sealed | |
| 2. | Tank Type | | : | Corrugated walls | |
| 3. | Applied Standard/s | | : | IEC 60076 | |
| 4. | Rated Power | | : | 250 | kVA |
| 5. | No-Load Rated Voltages | ( HV/LV ) | : | 10 / 0,4 | kV |
| 6. | Voltage Tapping | ( @ HV ) | : | 5 taps 10 kV; +2,-2 x 2,5% | Off-load |
| 7. | Vector Group | | : | Yyn0 | |
| 8. | Conductor Material | ( HV/LV ) | : | Aluminium / Aluminium | |
| 9. | Anma Frekansı | | : | 50 | Hz |
| 10. | Number of Phase | | : | 3 | phase |
| 11. | Maximum Ambient Temperature | | : | -25 / 40 | ℃ |
| 12. | Winding / Oil Temprature Rise Limits | | : | 65 / 60 | K |
| 13. | Cooling method | | : | ONAN | |
| 14. | Operation duty | | : | Continuous | |
| 15. | Altitude | | : | ≤ 1000 | m |
| 16. | Oil details | | : | Shell Dialla S4 ZX-I or Equivalent | |
| 17. | Surface Protection & Outer Colour | Acc. to ISO 12944-5 | : | 120 µm thickness & RAL 7033 | |

## Test Voltage Levels

* Acc. to IEC 60076-3

| | | Um (kV) | Full Wave Lightning Impulse Withstand LI (kV) | Applied Voltage AC Withstand AV (kV) |
|---|---|---|---|---|
| 18. | HV side | ≤ 12 | 75 | 28 |
| 19. | LV side | ≤ 1,1 | --- | 3 |

## Bushing Types & Terminations

| | | Standard & Type | | Placement & Protection Class | |
|---|---|---|---|---|---|
| 20. | HV side | DIN | Porcelain | On the cover | without cable box |
| 21. | LV side | DIN | Porcelain | On the cover | without cable box |

## Guaranteed Values

| | | | | | |
|---|---|---|---|---|---|
| 22. | No-Load Losses | | ( Po ) : | 425 | Watt |
| 23. | Load Losses | @ 75 ℃ & Nom. Pos. | ( Pk ) : | 3250 | Watt |
| 24. | Short Circuit Impedance | @ 75 ℃ & Nom. Pos. | ( Uk ) : | 4,5 | % |
| 25. | Short Circuit withstand Dur | | ( $t_{sc}$ ) : | 2 | s |

* Note : Tolerances will be applied on guaranteed values accordinto IEC 60076.

## Outer Dimensions

| | | Total | @ Transporting | |
|---|---|---|---|---|
| 28. | Length | 1390 | 1390 | mm |
| 29. | Width | 960 | 960 | mm |
| 30. | Height | 1430 | 1430 | mm |
| 31. | Roller Space | 670 | -- | mm |

## Weights

| | | | | |
|---|---|---|---|---|
| 32. | Oil | : | 240 | kg |
| 33. | Active Part | : | 720 | kg |
| 34. | Total | : | 1160 | kg |
| 35. | Transport mass of tank | : | 1160 | kg |

* Note : All dimensions and weigths are specified as approximately. Actual product may differ from above calculated values.

## Accessories

- Off-Load Tap Changer (1 pc.)
- Oil Level Indicator (1 pc.)
- Pressure Relief Device (1 pc.)

## Additional Information

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