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|--|---|-------------|------------|
| | Transformer Technical Data Sheet | Date : | 17.03.2022 |
| | | Tender No : | -- |
| | | Rev. No : | 0 |

| | | | |
|----------------|--------------|------------|---|
| Project Name : | 21.387.90.PL | Order Code | - |
|----------------|--------------|------------|---|

General Characteristics

| | | | | |
|-----|---------------------------------------|---------------------|----------------------------------|----------|
| 1. | Type of Product | : | Oil filled, Conservator Type | |
| 2. | Tank Type | : | Corrugated Walls | |
| 3. | Applied Standard/s | : | IEC 60076 | |
| 4. | Rated Power | : | 1000 | kVA |
| 5. | No-Load Rated Voltages | (HV/LV) : | 10000 / 400 | V |
| 6. | Voltage Tapping | @HV : | 5 pos ; 10000 V ; (+2, -2) x 2.5 | Off-load |
| 7. | Vector Group | : | Dyn11 | |
| 8. | Conductor Material | (HV/LV) : | Aluminum / Aluminum | |
| 9. | Rated Frequency | : | 50 | Hz |
| 10. | Number of Phase | : | 3 | phase |
| 11. | Maximum Ambient Temperature | : | -25 / 40 | °C |
| 12. | Winding / Oil Temperature Rise Limits | : | 65 / 60 | K |
| 13. | Cooling method | : | ONAN | |
| 14. | Operation duty | : | Continuous | |
| 15. | Altitude | : | <=1000 | m |
| 16. | Oil details | : | Mineral | |
| 17. | Surface Protection & Outer Colour | Acc. to ISO 12944-5 | 105 µm thickness & RAL 7033 | |

Test Voltage Levels

* Acc. to IEC 60076-3

| | Um (kV) | Full Wave Lightning Imp. 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) : | 1700 | Watt |
| 23. | Load Losses | (Pk) : | 13000 | Watt |
| 24. | Short Circuit Impedance | (Uk) : | 6 | % |
| 25. | No-Load Current | (Io) : | 1.1 | % |
| 26. | Noise Level (Sound Power) | (LWA) : | 73 | dB (A) |
| 27. | Short Circuit withstand Duration | (tsc) : | 2 | s |

NOTE : Tolerances will be applied on guaranteed values according to IEC 60076.

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21.384.90.PL

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| | Outer Dimensions | Total | @ Transporting | |
|------------|------------------|-------|----------------|----|
| <u>28.</u> | Width | 1145 | 1145 | mm |
| <u>29.</u> | Length | 1835 | 1835 | mm |
| <u>30.</u> | Height | 1755 | 1755 | mm |
| <u>31.</u> | Roller Space | 820 | ---- | mm |

| | Weights | | |
|------------|------------------------|---|---------|
| <u>32.</u> | Oil | : | 465 kg |
| <u>33.</u> | Active Part | : | 1330 kg |
| <u>34.</u> | Total | : | 2310 kg |
| <u>35.</u> | Transport mass of tank | : | 2310 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.)
- Dhydrating Breather (1 pc.)
- Oil Temperature Thermometer (1 pc.)
- Oil Level Indicator (1 pc.)
- Buchholz Relay (1 pc.)

Additional Information