

| TRANSFORMER DATA SHEET | | |
|--|-------|--|
| Project Name: | | -- |
| Quote Number: | | -- |
| Manufacturer: | | Wilson Power Solutions Ltd |
| Applicable Standard: | | IEC 60076 |
| General Arrangement Dwg #: | | WPS-T2-1600-AL-GA |
| Transformer Rating: | kVA | 1600 |
| Rated High Voltage @ No Load: | Volts | 11000 |
| Rated Low Voltage @ No Load: | Volts | 433 |
| Minimum Insulation class HV LI: | kV | 75 |
| Minimum Insulation class HV AC: | kV | 28 |
| Minimum Insulation class LV LI: | kV | - |
| Minimum Insulation class LV AC: | kV | 3 |
| Insulating Fluid: | | Mineral Oil |
| Fans: | | No |
| Pumps: | | No |
| Type of Cooling: | | ONAN |
| Number of Phases: | | 3 |
| Frequency: | Hz | 50 |
| Vector Group: | | Dyn11 |
| Impedance Voltage (Z): | % | 5.5 |
| Core Material: | | CRGO steel |
| No Load Losses: | W | 1080 |
| Load Losses @ 75°C: | W | 12000 |
| Losses as per EU Regulation No. 548/2014 | | Meets Tier-2 Requirement |
| Resistance | % | 0.75 |
| Reactance | % | 5.45 |
| Regulation type: | | DETC |
| Tapping on HV: | % | +5.0, +2.5, 0.0, -2.5, -5 |
| Design Ambient Temperature: | °C | 40 |
| Temp Rise of Top Oil: | °C | 60 |
| Temp Rise of Winding: | °C | 65 |
| Altitude: | m | <1000 |
| Pollution class: | | C4 |
| Sound Power Level: | dB(A) | 61 |
| HV Conductor Material: | | Aluminium |
| LV Conductor Material: | | Aluminium |
| Paint Finish Colour: | | Dark Admiralty Grey(BS 632 shade) |
| Transformer Type: | | Free Breathing, bolted cover, tank attached cooler bank |
| HV termination type: | | Cable Box - 12kV, 3-Pole, (Facing-'E' BS:2562) with 1 take off per phase |

| | | |
|---|------|--|
| LV termination type: | | Cable box - 1.1kV, 4-Pole, (Facing-'F', BS:2562) with 3 take off per phase & Neutral |
| Neutral: | | Located inside - cable box |
| Harmonis distortion: | THD% | <5% |
| Accessories: | | |
| Draining & Sampling Valve | | Yes |
| Radiator Valves | | No |
| Dehydrating Breather | | Yes |
| Pressure Relief Device | | No |
| Oil Temperature Indicator | | No |
| Buchholz unit | | No |
| Winding Temperature Indicator | | No |
| Magnetic Liquid Level Indicator | | No |
| Conservator | | No |
| HV CTs | | No |
| LV CTs | | No |
| Neutral CTs | | No |
| Disconnecting links HV | | No |
| Disconnecting links LV | | No |
| Marshalling box | | No |
| Bund | | No |
| Overall Dimensions: | | |
| Length | mm | 1768 |
| Width | mm | 1654 |
| Height | mm | 1823 |
| Oil | L | 1070 |
| Weight: | kg | 4640 |
| Testing Requirement: | | |
| Routine tests | | Yes |
| Lighting Impulse | | No |
| Chopped impules | | No |
| Temperture rise test | | No |
| Noise test | | No |
| Dissolved gas analysis | | No |
| Frequency response analysis | | No |
| CT checks | | No |
| Other information | | |
| Comments: All losses, dimensions & weights are provisional only subject to confirmation | | |