



## TTH Air insulated transformers

### ELECTRICAL DATA & DESIGN FEATURES

<b>Rating Power:</b>	<b>Up to 25 MVA</b>
<b>Service:</b>	<ul style="list-style-type: none"><li>- Solar</li><li>- Windmill</li><li>- Rectifier multiple pulses</li><li>- Excitation</li><li>- Converter</li><li>- Crane Duty</li><li>- Traction</li></ul>
<b>Construction Type:</b>	<ul style="list-style-type: none"><li>- Standard concentric</li><li>- Multiple concentric</li><li>- Tier construction with or w/o intermediate joke</li><li>- Single phase or three phase</li><li>- Autotransformer</li></ul>
<b>Cooling:</b>	AN - AF - AN/AF - AFWF - WF
<b>Frequency:</b>	50, 60, 25, 16 2/3 Hz (fix or variable)
<b>Standards:</b>	Any Standard applicable
<b>Primary Winding:</b>	Single or multi-primary voltage design
<b>Max Working Voltage (U<sub>m</sub>):</b>	Up to 40.5 kV
<b>Voltage Regulation:</b>	<ul style="list-style-type: none"><li>- No Load Tap Changer (NLTC)</li><li>- On Load Tap Changer (OLTC)</li></ul>
<b>Secondary Winding:</b>	Single or multi-secondary windings design
<b>Insulating Level:</b>	Up to L.I.200 kV
<b>Winding Conductors:</b>	Cu or Al
<b>Insulated Class:</b>	C - F - H
<b>Transformer Protection Degree:</b>	Up to IP 66 enclosure
<b>Ambient Temperature:</b>	From -50°C to MAX required design
<b>Altitude of installation:</b>	Up to 4500 m
<b>Installation:</b>	<ul style="list-style-type: none"><li>- Industrial</li><li>- Civil</li></ul>

### ACCESSORIES ON REQUEST

A wide of state of the art accessories available for:

- Life safety equipments
- Fire detection
- Power quality integration
- Auxiliary and terminal boxes
- Forced cooling
- Life cycle monitoring unit device
- Any other special needs if applicable

ALL KIND OF DESIGN IMPLEMENTATION AVAILABLE ON REQUEST  
(if applicable)



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