POWER TRANSFORMERS

With over one hundred years of manufacturing experience in the transformer industry, Brush Transformers are the largest manufacturer of liquid filled Power transformers based in the United Kingdom.

Brush Transformers supply a comprehensive range of transformers for a range of applications;

System transformers for the UK, oversea's utility network operators and many private network operators.
Generator Step up transformers for use with; hydro-electric generation schemes, gas turbine generator stations and CHP plants.
Grid connection transformers for wind generation schemes
Power transformers for industrial applications, traction systems, petrochemical projects, offshore oil and gas production facilities and special applications.
Series current limiting reactors for industrial applications.
Motor unit transformers for industrial applications and petrochemical plants.
Rectifier transformers for traction systems.

Brush manufacture transformers to meet the individual needs of their customers designing transformers to comply with customer specified; loss levels, noise levels, impedance envelopes, tapping ranges, termination requirements, limiting dimensions etc. These transformers can be manufactured to comply with British standards, IEC international standards or American ANSI standards along with requirements specified by individual clients.

Brush Transformers manufacture mineral oil filled transformers for systems with a highest system voltage of 145kV up to a maximum naturally cooled rating of 60MVA. Higher ratings can be obtained by addition of forced air and forced oil cooling systems.

Where required Brush are also able to supply transformers with alternative cooling systems such as forced air cooled/forced oil cooled and water cooled using water filled heat exchangers.

For 33kV systems Brush manufacture transformers using alternative cooling fluids such as Midel and FR3, where transformers are either located inside buildings giving rise to issues related to increase fire risk or where there are environmental concerns.

For traction systems Brush are able to provide; 132/25kV traction supply transformers,
25-0-25kV auto-transformers, and 25kV 300Amp trackside boostertransformers, and train mounted transformers.

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