

Large power distribution transformer

Pauwels Big DT: 12 MVA of power in your distribution transformer

Distribution transformers have traditionally been compact, standardised and cost-efficient products capable of delivering up to 2.5 MVA. When more power is needed, the power transformer concept is used with dedicated tailor made designs and specific testing and requirements. Developed by market leader Pauwels, the Pauwels Big DT is a new range of large power distribution transformers capable of delivering up to 12 MVA.

● The Big DT concept

Pauwels has drawn on in-house engineering expertise to design and manufacture a range of power transformers. The product development team has taken proven technology used in distribution transformers and applied it to Big DT distribution transformers. Design features of clamping structures, LV and HV windings, and bushings, as well as cooling techniques have been adapted, enabling Pauwels to manufacture the Big DT in a cost-effective way. Units delivering up to 12 MVA have already passed stringent performance tests and are in active service in a variety of settings, including refineries, chemical plants and other large installations.



BIG DT

● Excellent cost-performance ratio

When developing the Big DT, Pauwels borrowed many of the principles used for standard distribution transformers - whether design, manufacturing or logistics - so they could deliver the product to the customer in the most cost-effective way. For instance, the functional specifications for the Big DT transformer, such as power, high voltage, low voltage, impedance, and noise, remain the same as for the power transformer. The end result is that the customer enjoys an excellent cost-performance ratio with the Big DT distribution transformer.

● Flexibility

The one concept Pauwels does borrow from the customised solutions is flexibility. The Big DT transformer can be customised to meet a range of specific requirements - from low noise and reduced no-load loss, to lower load loss and overloadability. Valuable add-ons such as HV and LV cable boxes, Buchholz protection and temperature indication are also available. Extra-rugged tank designs suitable for severe long-distance transport and difficult installation conditions are yet another option.

● Energy-efficiency

Energy-efficient products help make for a cleaner environment. Big DT transformer can be specified for a very low no-load loss or a low-load loss; these environmentally friendly options reduce energy transport costs, generation capacity and costs, at the same time contributing to a better environment.

● Timing

Thanks to standardisation of design and manufacturing with the Big DT transformer, the standard quotation cycle can be shortened and a quick delivery time guaranteed. With the Big DT transformer, projects can be realised in the minimum time - affording yet another competitive advantage.



energy is our business
quality is our mission