



Oil-Emmersed Completely Self Protected(CSP) Transformer

Transformer mineral oil is used as an electrical insulation and to assist in heat dissipation inside the transformer tank. The transformer is also equipped with special protection equipment such as Low Voltage Circuit Breaker installed inside the transformer tank and Lightning Arrestors to suppress the effects of lightning. It is currently supplied only to the Metropolitan Electricity Authority (MEA) in Thailand.

Product range of Oil-immersed completely self protected (CSP) transformer

No. of phase	Frequency	Primary voltage	Rated power
3 phase	50 Hz	up to 24 kV	150-225 kVA

Can be designed and manufactured to any special requirements



Cast Resin Dry-Type Transformer

Insulation for coil or foil winding is epoxy resin which is cast under vacuum conditions. Compared to oil type transformers, it has a better appearance and modern look. It is also a cleaner technology as there is no messy mineral oil involved during operation or maintenance.

Product range of Cast resin dry-type transformer

No. of phase	Frequency	Primary voltage	Rated power
3 phase	50 Hz	up to 36 kV	315-2500 kVA

Can be designed and manufactured to any special requirements



Ventilated Dry-Type(VDT) Transformer

The realization of our top of the range transformer is the result of the combination of technologically advanced design and production processes. Besides meeting current safety and engineering standards, the VDT possesses special properties such as the ability to supply electrical loads beyond normal rated capacity* (kVA) without assistance from forced air fans. It provides unbeatable reliability to the user's electrical system compared to all other types of transformers offering higher degrees of durability and operating life time. To achieve this, only top quality materials and the resin encapsulation of conducting coils by Vacuum Pressure Impregnation (VPI) process are utilized. This process allows the insulating resin to be impregnated into all parts of the transformer coil and together with curing of the impregnated transformer coil at high temperatures results in the VDT being able to perform at its optimum and achieves best in its class humidity protection.

Product range of Ventilated dry-type (VDT) transformer

No. of phase	Frequency	Primary voltage	Rated power
3 phase	50 Hz	up to 36 kV	315-2500 kVA

Can be designed and manufactured to any special requirements



Conventional Dry-Type(VDT) Transformer

Designed and manufactured under a stringent quality management system, TME is able to supply high quality low-voltage dry type transformers with capacities of up to 30 kVA for single phase or up to 500 kVA for 3 phases, with maximum voltage ratings of 1000V suitable for 50 / 60 Hz supply. These low voltage transformers are available in different thermal classes of B, F and H to suit different applications and requirements.

Product range of Conventional dry-type transformer

No. of phase	Frequency	Primary voltage	Rated power
1 or 3 phase	50 Hz	100 - 1000 V	10 - 300 kVA

Can be designed and manufactured to any special requirements