

# CUSTOM-BUILT RANGE OF DRY-TYPE CLASS F AND CLASS H OPEN OR ENCLOSED SINGLE-PHASE AND THREE-PHASE TRANSFORMERS UP TO 1MVA

Low voltage power and distribution dry-type transformers.

Single-phase and three-phase variations available with Class F or Class H insulation.

Non-flammable construction with copper or aluminium windings and vacuum impregnated with Class H resins.

Meet EN 60076-1 standards.

Insulation system up to 1.1kV.

Frequency of 50 / 60 Hz.

Ambient temperature range from  $-15^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .

Terminals are IP20 and either DIN rail mounted, studs, copper tube crimps, or busbar (dependent on current ratings).

Enclosures are available for all sizes from IP23 to IP44.



*1MVA dry-type three-phase transformer*

Custom-built range of low voltage transformers up to 1.1kV.

Coils are constructed from either aluminium or copper and cores are produced with a unique design principle using low-loss grain oriented material.

The possibilities within these design criteria are endless.

Aluminium conductors are now being employed in design due to lower weight and lower cost.

The technology of cooling aluminium windings is becoming more sophisticated by either using well ducted air cooling or employing specialist forced air cooling devices.

Vacuum varnish impregnation using solventless polyester or epoxy resin is available as well as standard solvent-based dip impregnation.

Any quantity can be produced from single units to regular call-off orders.

Ratings are up to 1MVA 3ph.

A full range of IP23 to IP44 ventilated enclosures is available for all sizes.

Give our sales team a call to discuss your specific requirements.

## Design Possibilities

- Single-phase and three-phase low voltage transformers
- Isolating transformers
- High current foil wound transformers
- Single-phase and three-phase autotransformers
- Filter chokes (either line reactors or output reactors)
- Single-phase or three-phase iron-cored reactors
- Air-cored inductors



*30kVA transformer with 5,000A output*

All units can be fitted with temperature probes for controlling winding temperatures which can be linked to specialist control units, specialist thermal contacts, pre-set thermometers, dial thermometers, or relays.

Another option is having PT100 thermistors embedded in each coil and connected to the terminals mounted on the unit.