



CUSTOM-BUILT RANGE OF CLASS F AND CLASS H OPEN OR ENCLOSED THREE-PHASE TRANSFORMERS FROM 85KVA TO 500KVA

Designed to EN 60076-1: Class F or Class H insulation.

Insulation system up to 1.1kV.

Frequency of 50 / 60 Hz.

Ambient temperature range from -5°C to $+40^{\circ}\text{C}$.

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

Enclosures available for all sizes from IP23 to IP55.



TGF 250K

A comprehensive range of custom-built three-phase transformers designed specifically to customers' own requirements. Any quantity can be produced from single units to regular call-off orders. Sizes from 85kVA to 400kVA (TGF 85K to TGF 400K) are designed with Class F (155°C) materials with an additional option of Class H (180°C) designs from 100kVA to 500kVA (TGH 100K to TGH 500K). This range incorporates high efficiency low loss core material giving a good power to weight ratio. The core design is unique and reduces stray losses and also results in a compact design. All transformers are air cooled and are fully varnish impregnated with an aesthetically appealing red polyester varnish. A full range of IP23 ventilated enclosures is available for all sizes (as well as up to IP55).

Reference	Insulation Class	VA Rating	L (mm)	W (mm)	H (mm)	FC L (mm)	FC W (mm)	FC diam. (mm)	Weight (kg)	Enclosure Reference
TGF 85K / TGH 100K	F / H	85kVA / 100kVA	820	425	850	480	315	20	420	HDE 10 (or ETT 8)
TGF 100K / TGH 125K	F / H	100kVA / 125kVA	820	455	850	480	345	20	490	HDE 10 (or ETT 8)
TGF 125K / TGH 150K	F / H	125kVA / 150kVA	820	510	850	480	395	20	600	HDE 10 (or ETT 8)
TGF 150K / TGH 180K	F / H	150kVA / 180kVA	820	560	850	480	445	20	680	HDE 10 (or ETT 8)
TGF 175K / TGH 225K	F / H	175kVA / 225kVA	1,000	550	900	560	350	24	720	HDE 20 (or ETT 8)
TGF 200K / TGH 250K	F / H	200kVA / 250kVA	1,000	575	900	560	375	24	770	HDE 20 (or ETT 8)
TGF 225K / TGH 275K	F / H	225kVA / 275kVA	1,000	600	900	560	400	24	880	HDE 20 (or ETT 8)
TGF 250K / TGH 300K	F / H	250kVA / 300kVA	1,000	625	900	560	425	24	990	HDE 20 (or ETT 8)
TGF 275K / TGH 350K	F / H	275kVA / 350kVA	1,200	625	1,000	680	425	24	1,200	HDE 30 (or ETT 9)
TGF 325K / TGH 400K	F / H	325kVA / 400kVA	1,200	650	1,000	680	450	24	1,300	HDE 30 (or ETT 9)
TGF 350K / TGH 450K	F / H	350kVA / 450kVA	1,200	675	1,000	680	475	24	1,400	HDE 30 (or ETT 9)
TGF 400K / TGH 500K	F / H	400kVA / 500kVA	1,200	700	1,000	680	500	24	1,500	HDE 30 (or ETT 9)