



CUSTOM-BUILT RANGE OF CLASS E AND CLASS F OPEN OR ENCLOSED THREE-PHASE TRANSFORMERS FROM 120VA TO 75KVA

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

Insulation system up to 1.1kV.

Frequency of 50 / 60 Hz.

Ambient temperature range from -5 °C to +40 °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.



TE 20000

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 120VA to 60kVA (TE 120 to TE 60000) are designed with Class E (120 °C) materials with an additional option of Class F (155 °C) designs from 2.2kVA to 75kVA (TF 2200 to TF 75000). 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
TE 120	E	120VA	120	80	125	100	44	5	2	EPN 1
TE 200	E	200VA	120	90	125	100	54	5	3	EPN 1
TE 350	E	350VA	150	100	150	125	50	5	4	EPN 2
TE 500	E	500VA	150	115	150	125	65	5	6	EPN 2
TE 650	E	650VA	180	120	190	150	60	6	8	EPN 3
TE 900	E	900VA	180	140	190	150	80	6	10	EPN 3
TE 1300	E	1.3kVA	180	165	190	150	105	6	14	EPN 3
TE 1600 / TF 2200	E / F	1.6kVA / 2.2kVA	240	130	240	200	80	6	16	EPN 4
TE 2400 / TF 3200	E / F	2.4kVA / 3.2kVA	240	150	240	200	100	6	25	EPN 4
TE 3200 / TF 4000	E / F	3.2kVA / 4.0kVA	240	170	240	200	120	6	30	EPN 4
TE 4000 / TF 5200	E / F	4.0kVA / 5.2kVA	300	150	290	250	90	8	35	ETT 2
TE 5000 / TF 6500	E / F	5.0kVA / 6.5kVA	300	170	290	250	110	8	45	ETT 2
TE 6000 / TF 7800	E / F	6.0kVA / 7.8kVA	300	190	290	250	130	8	55	ETT 2
TE 7000 / TF 9000	E / F	7.0kVA / 9.0kVA	360	160	350	300	110	8	60	ETT 3
TE 8000 / TF 10000	E / F	8.0kVA / 10.0kVA	360	180	350	300	130	8	70	ETT 3
TE 10000 / TF 12500	E / F	10.0kVA / 12.5kVA	420	220	410	350	140	10	85	ETT 3
TE 12500 / TF 16000	E / F	12.5kVA / 16.0kVA	420	240	410	350	160	10	100	ETT 3
TE 16000 / TF 20000	E / F	16.0kVA / 20.0kVA	480	240	470	400	160	10	120	ETT 4
TE 20000 / TF 25000	E / F	20.0kVA / 25.0kVA	480	260	470	400	180	10	160	ETT 4
TE 25000 / TF 31500	E / F	25.0kVA / 31.5kVA	480	300	470	400	220	10	190	ETT 4
TE 31500 / TF 40000	E / F	31.5kVA / 40.0kVA	600	300	600	540	260	12	220	ETT 5
TE 40000 / TF 50000	E / F	40.0kVA / 50.0kVA	600	325	600	540	285	12	280	ETT 5
TE 50000 / TF 63000	E / F	50.0kVA / 63.0kVA	600	350	600	540	310	12	320	ETT 5
TE 60000 / TF 75000	E / F	60.0kVA / 75.0kVA	600	400	600	540	360	12	390	ETT 6



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.

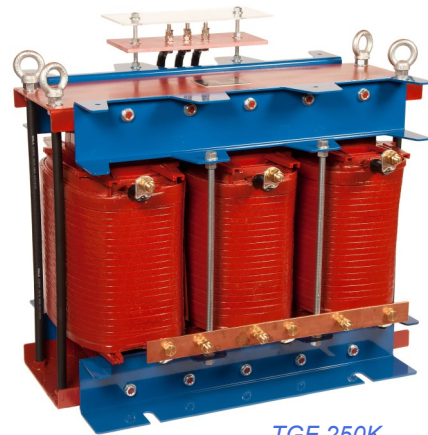
Insulation system up to 1.1kV.

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 (TF 85000 to TF 400000) are designed with Class F (155°C) materials with an additional option of Class H (180°C) designs from 100kVA to 500kVA (TH 100000 to TH 500000). 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)