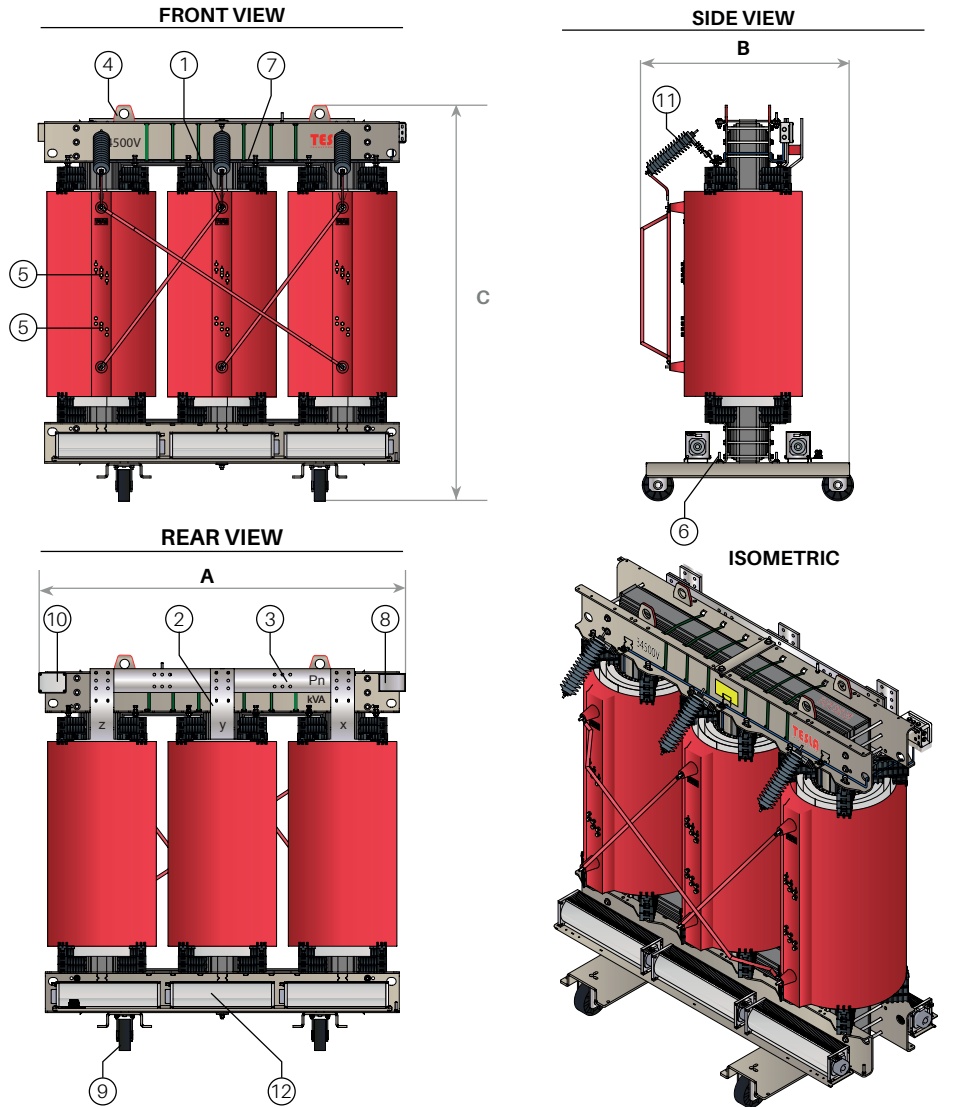


ENCAPSULATED DRY TYPE TRANSFORMER CLASS F SERIES 36 / 1.1 kV ACCORDING TO NTC 3654 AND EN 50541-1 STANDARDS

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Rated voltage (kV)	36 / 1,1
Primary voltage (V)	34500 / 33000
Secondary voltage (V)	Up to 800
Phases	3
Installation	Indoor
Frequency (Hz)	60
Connection group	Dyn-
Tap changer	(+2-2) X 2,5% or on request
Temperature rise (°C)	100
BIL (kV)	145/- 170/-
Degree of protection	IP-00 / IP-20 (customer request)
Cooling	AN or AF
Insulation class	F

Constituent parts

- 1 Primary winding phase terminals.
- 2 Secondary winding phase terminals.
- 3 Neutral terminal.
- 4 Lifting device.
- 5 De-energized tap changer
- 6 Ground terminal.
- 7 Temperature sensor device (customer request)
- 8 Nameplate.
- 9 Swivel wheels 90°
- 10 Terminal box for temperature sensors (customer request).
- 11 Surge arresters 30 kV (customer request).
- 12 Forced ventilation system (customer request).

POWER (kVA)	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	IMPEDANCE AT 120°C (%)	SHORT CIRCUIT DURATION (s)	SYMMETRICAL ICC (kA)	LOAD LOSSES AT 120°C Pk(W)	NO-LOAD LOSSES Po(W)	EFFICIENCY 75°C (*) (%)	SOUND PRESSURE POWER (***) (dB)
150	1560	900	1750	1160	6	2	16,7	2700	960	97,98	66
225	1590	920	1830	1470	6	2	16,7	3500	1190	98,30	67
300	1630	940	1910	1780	6	2	16,7	4500	1500	98,37	68
400	1670	960	1990	2090	6	2	16,7	5400	1650	98,61	69
500	1710	980	2070	2400	6	2	16,7	6320	1950	98,69	70
630	1860	1010	2130	2500	6	2	16,7	7500	2200	98,80	71
800	1950	1100	2150	3000	6	2	16,7	9000	2700	98,85	72
1000	2010	1110	2250	3500	7	2	14,3	11000	3100	98,91	73
1250	2090	1150	2380	4050	7	2	14,3	13000	3600	98,98	75
1600	2170	1200	2500	4600	8	2	12,5	16000	4200	99,05	76
2000	2250	1210	2600	6000	8	2	12,5	18500	5000	99,11	78

(*) Efficiency levels calculated at a reference temperature of 75°C, with a load factor of 50% and power factor = 1.

(*) Prior to the guaranteed efficiency value, the specified no-load or winding losses are a reference and these may vary depending on the voltage and current characteristics of the transformer.

(**) Sound pressure level NTC 5978.

(***) The number of perforations on the terminals is according to the manufacturing standard (it will be indicated in the final drawing).

Notes

- Due to changes in technology and manufacturing methods, dimensions may change without prior notice, tolerances ± 10%.
- For special Transformers, K factor for handling harmonics, temperature increase in the windings, service factor 1.25, low losses, low noise level, different connection group and forced ventilation, are manufactured to order, with additional cost.
- Optional thermal protection, digital thermometer with 2 contacts, one for alarm and one for triggering with PT-100 sensor in one or in all three phases, upon request with additional cost.
- DPS surge arresters at additional cost.
- For voltages 7620 - 4160 - 2400 V, the rated voltage and the BIL change, check with the factory.
- For capacities, accessories, applications or special measures, check with the factory.
- The measurements are approximate for final plans check with the factory.
- For different or higher powers, they are manufactured to order, check with the factory.