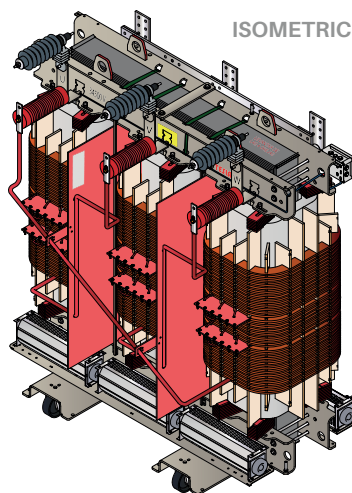
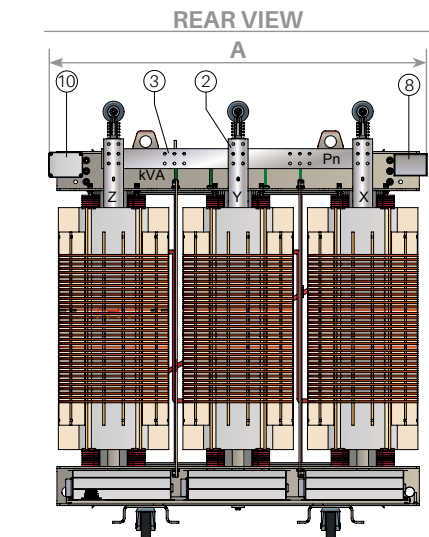
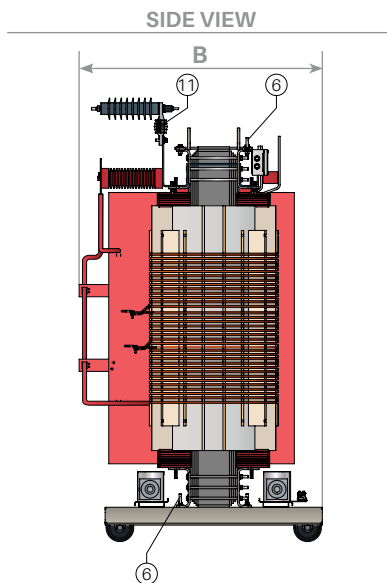
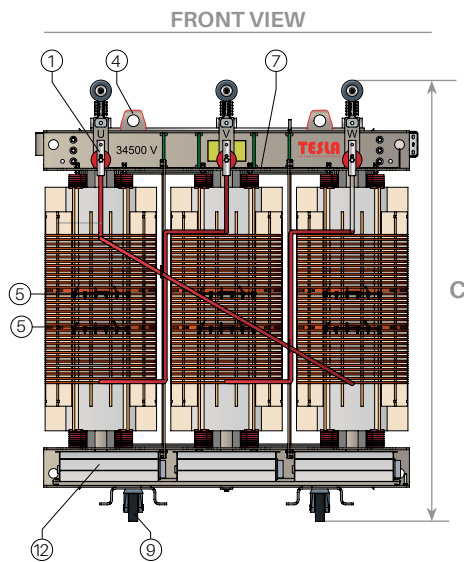


OPEN DRY TYPE TRANSFORMER CLASS H SERIES 36 / 1.1 kV ACCORDING TO NTC 3654 AND EN 50541-1 STANDARDS

Note: the designs are the legal property of Nacional de Transformadores SAS - Tesla due to its registered trademark. The total or partial use of Tesla's design is prohibited without prior authorization from Nacional de transformadores SAS-Tesla.



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 % (customer request)
Temperature rise (°C)	125
BIL (kV)	145 / -
Protection degree	IP-00 / IP-20 (customer request)
Cooling	AN ó ANAF
Insulation class	H

Constituent parts

- 1 Primary winding phase terminals.
- 2 Secondary winding phase.
- 3 Terminals neutral.
- 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 support 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 145°C (%)	SHORT CIRCUIT DURATION (s)	SYMMETRICAL ICC (kA)	LOAD LOSSES AT 145°C Pk(W)	NO-LOAD LOSSES Po(W)	EFFICIENCY 75°C (*) (%)	SOUND PRESSURE POWER (***) (dB)
300	1470	980	1900	1460	6	2	16,7	4567	1403	98,47	68
400	1630	1000	1950	1790	6	2	16,7	5700	1650	98,62	69
500	1630	1010	2010	1850	6	2	16,7	6700	1889	98,72	70
630	1720	1010	2010	2200	6	2	16,7	8000	2200	98,80	71
800	1720	1090	2110	2520	6	2	16,7	9600	2700	98,85	72
1000	1870	1130	2190	3450	7	2	14,3	11500	3100	98,93	73
1250	1900	1130	2230	3800	7	2	14,3	14000	3600	98,98	75
1600	2070	1210	2310	3900	8	2	12,5	17000	4200	99,05	76
2000	2170	1250	2420	4900	8	2	12,5	21000	5000	99,08	79

(*) 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

(***) 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 harmonic management, 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 of all three phases, on 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.
- The measurements are approximate for final plans check with the factory.
- For capacities, accessories, applications or special measures, check with the factory.
- For different or higher powers, they are manufactured to order, check with the factory.