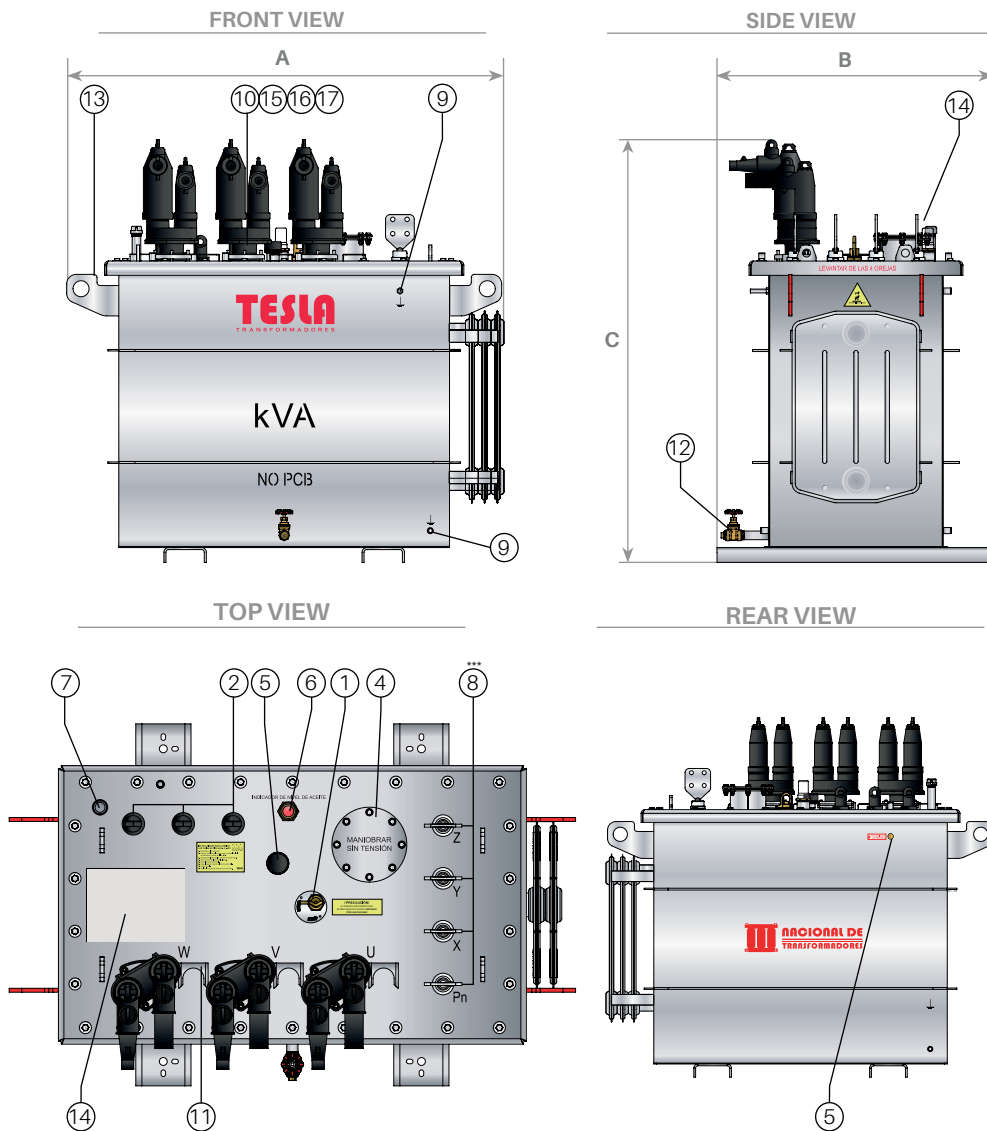


THREE-PHASE TRANSFORMER OCCASIONALLY SUBMERSIBLE SERIES 15 / 1.2 kV ACCORDING TO NTC STANDARD.

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)	15 / 1,2
Primary voltage (V)	13800-13200 11400
Voltage Secondary (V)	Up to 800
Phases	3
Installation	Outdoor
Frequency (Hz)	60
Connection group	Dyn-
Tap changer	(+1-3) x 2,5 % o (+2-2) x 2,5% On request
Temperature Rise (°C)	65
BIL (kV)	95 / 30
Cooling	ONAN / KNAN
Insulation class	Ao
Insulating liquid	Oil Mineral / Vegetable

Constituent parts

- 1 On-Off switch.
- 2 Fuse support assembly Bay-o-net.
- 3 ELSP current limiting fuse (internal).
- 4 Volt-free bypass switch (internal)
- 5 Overpressure relief valve.
- 6 Oil level.
- 7 Filling device
- 8 Low voltage terminals.
- 9 Ground and neutral terminals.
- 10 Premolded type high voltage terminals.
- 11 Parking support.
- 12 Recirculation and drain valve.
- 13 Hoisting device.
- 14 Nameplate (internally).
- 15 Low voltage bushing protective box (optional - occasionally submersible).
- 16 Protective box for bay-o-net fuse (optional occasionally submersible).
- 17 DPS 15 kV (At customer request)
- 18 Porcelain Terminals Live Front (At the client's request)

POWER (kVA)	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	IMPEDANCE AT 85°C (%)	SHORT CIRCUIT DURATION (s)	SYMMETRICAL ICC (kA)	LOAD LOSSES AT 85°C Pk(W)	NO-LOAD LOSSES Po(W)	EFFICIENCY 75°C (+) (%)	SOUND PRESSURE POWER (***) (dB)
15	1340	840	1000	550	3	1,13	33,3	310	80	98,03	48
30	1340	840	1120	620	3	1,13	33,3	515	135	98,35	48
45	1340	840	1120	650	3	1,13	33,3	710	180	98,50	48
75	1340	840	1120	670	3,5	1,53	28,6	1090	265	98,65	51
112,5	1370	870	1310	860	3,5	1,53	28,6	1540	365	98,74	55
150	1400	870	1400	1170	4	2	25	1960	450	98,82	55
225	1400	870	1450	1220	4	2	25	2890	615	98,88	55
300	1520	900	1450	1360	4,5	2	22,22	3675	765	98,94	55
400	1650	940	1450	1550	4,5	2	22,22	4730	930	99,01	56
500	1700	1010	1480	1750	5	2	20	5780	1090	99,05	56
630	1750	1010	1550	1880	5	2	20	7140	1285	99,08	57
800	2050	1130	1550	2460	5	2	20	8900	1520	99,12	58

(+) Efficiency levels calculated at a reference temperature of 55°C, with a load factor of 50% and power factor = 1 (The calculated efficiency is in accordance with the efficiencies established in column D of the NTC 819 fifth standard update).
 (***) Sound pressure level NTC 5978.
 (***) Quantity of perforations in LV terminals according to manufacturing standard and reference norm (NTC 3997).

- Notes**
- Due to changes in technology and manufacturing methods, dimensions may change without prior notice, tolerances ± 10%.
 - Additional accessories such as DPS, oil thermometer, contact overpressure valve, magnetic level, winding thermometer, are quoted at the customer's request at an additional cost.
 - For 7620-4160-2400V voltages, the series voltage and the BIL change, consult the factory.
 - Vegetable oil generates additional cost.
 - The measurements are approximate for final plans consult the factory.



TR-CO17/7452

