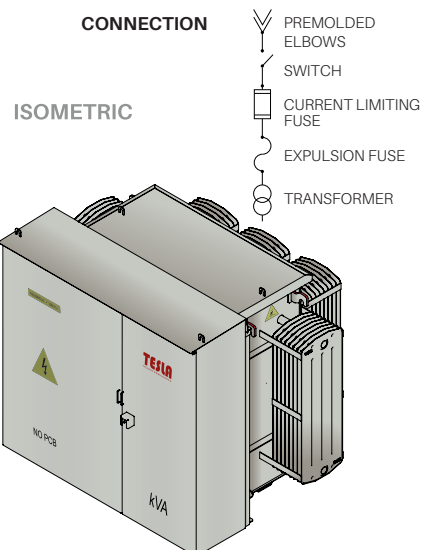
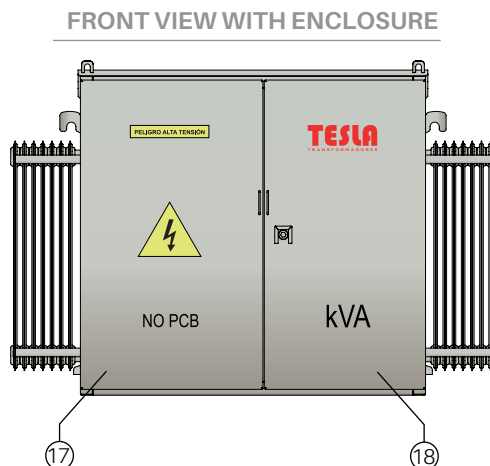
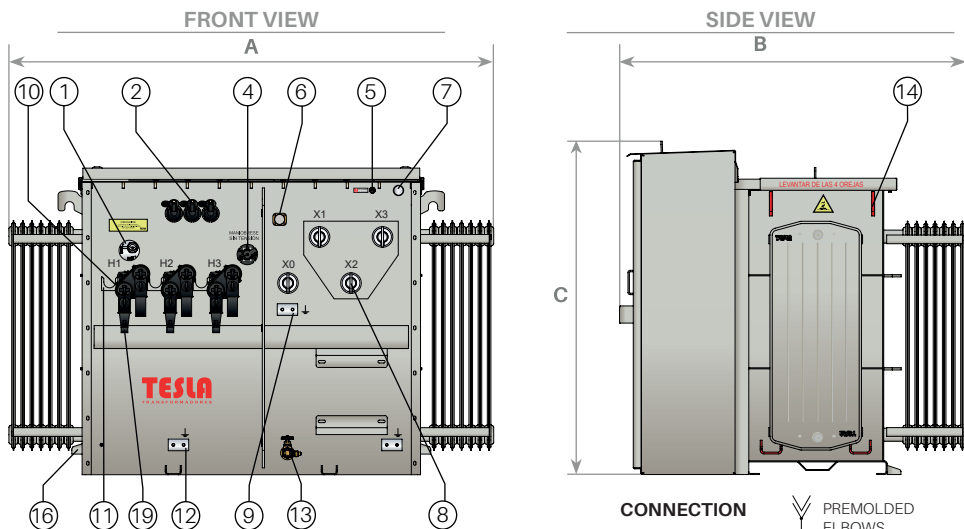


## THREE-PHASE RADIAL PEDESTAL TYPE TRANSFORMER SERIES 15/1.2kV ACCORDING TO IEEE STANDARD C57.12.34 AND NTC 3997 (LOAD BREAK - EXPULSION FUSE PROTECTION AND CURRENT LIMITING FUSE).

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



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
Vectorial group	Dyn-
Tap changer	(+1-3) x 2,5 % or (+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 Expulsion fuse holder assembly.
- 3 Current limiting fuse (internal).
- 4 Voltage-free bypass switch.
- 5 Overpressure relief valve.
- 6 Oil level.
- 7 Filling device.
- 8 Low voltage terminals.
- 9 Neutral grounding terminal.
- 10 Premolded type high voltage terminals.
- 11 Parking support.
- 12 Terminal for grounding.
- 13 Recirculation and drainage valve.
- 14 Lifting device.
- 15 Nameplate (internally).
- 16 Crawling device.
- 17 Primary gate (high voltage)
- 18 Secondary gate (low voltage)
- 19 Surge arresters 15 kV (at customer request)
- 20 Live front porcelain type terminals (at customer request)

POWER (kVA)	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	OIL (L)	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)
30	1300	1100	1140	540	170	3	1,13	33,3	515	135	98,35	48
45	1300	1100	1140	620	250	3	1,13	33,3	710	180	98,50	48
75	1300	1100	1140	690	290	3,5	1,53	28,6	1090	265	98,65	51
112,5	1300	1100	1200	730	300	3,5	1,53	28,6	1540	365	98,74	55
150	1300	1280	1240	930	350	4	2	25	1960	450	98,82	55
225	1400	1380	1280	1140	450	4	2	25	2890	615	98,88	55
300	1400	1390	1300	1360	510	4,5	2	22,2	3675	765	98,94	55
400	1400	1460	1400	1580	580	4,5	2	22,2	4730	930	99,01	56
500	1400	1490	1470	1870	640	5	2	20	5780	1090	99,05	56
630	1920	1520	1520	2280	740	5	2	20	7140	1285	99,08	57
800	2200	1650	1520	2790	900	5	2	20	8900	1520	99,12	58
1000	2310	1690	1580	3300	1090	5	2	20	11100	1780	99,15	58
1250	2430	1730	1630	3810	1150	6	2	16,7	13500	2090	99,18	60
1600	2540	1770	1690	4320	1280	6	2	16,7	16700	2520	99,22	61
2000	2650	1810	1760	4830	1720	6	2	16,7	20400	3010	99,24	61

(\*) Efficiency levels calculated at reference temperature of 55°C, with load factor of 50% and power factor = 1 (the calculated efficiency is in accordance with the losses established in the NTC 819 fourth update standard).  
 (\*) Above 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.  
 (\*\*) NTC 5978 sound pressure level.  
 (\*\*\*) Number of perforations in LV terminals according to manufacturing standard and reference standard (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 additional cost, winding thermometer, are quoted at the customer's request with additional cost.
  - For voltages 7620-4100-2400 V 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.
  - For different or higher powers, they are manufactured to order, consult the factory.



TR-CO17/7452