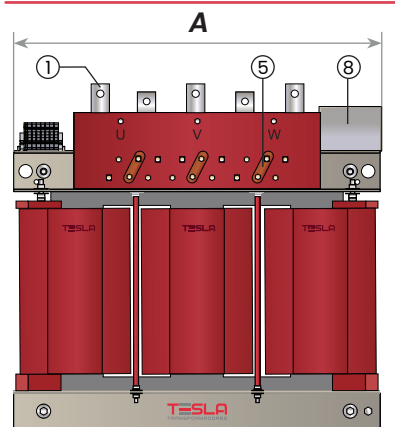


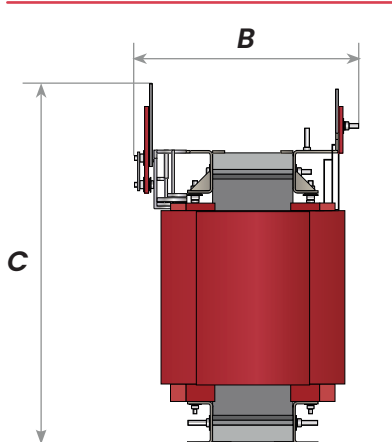
Dry-type Cast Resin transformer F class series 1,1/1,1 kV according to NTC 3654 and EN 50541-1 standards.

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.**

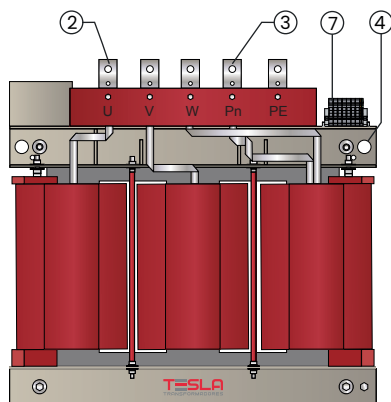
Front view



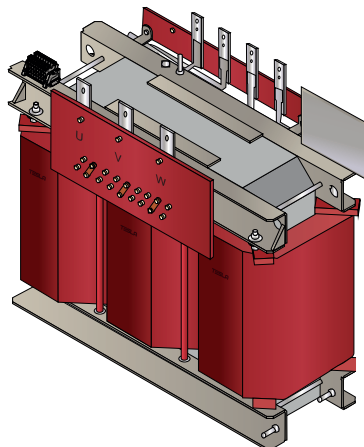
Side view



Rear view



Isometric



Rated voltage (kV)	1,1 / 1,1
Primary voltage(V)	Up to 1000
Secondary voltage (V)	Up to 1000
Phases	3
Installation	Indoor
Frequency(Hz)	60
Connection group	Dyn-
Tap changer	(+2-2) Design-compliant regulations
Temperature rise (°C)	100
BIL (kV)	- / -
Protection degree	IP-00 / IP-20 / IP-54 (customer request)
Cooling	AN
Insulation class	F
Primary winding / Secondary winding	Encapsulation/ Encapsulation

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)
10	540	270	510	150	4	2	25	253	105	96,37	45
15	580	270	560	160	4	2	25	355	140	96,73	45
20	580	280	590	180	4	2	25	451	170	96,98	45
25	680	340	670	190	4	2	25	543	195	97,19	45
30	700	370	680	200	4	2	25	629	220	97,34	45
45	710	380	700	270	4	2	25	872	280	97,69	45
75	730	400	720	460	4	2	25	1319	370	98,09	50
112,5	780	430	830	500	5	2	20	1826	460	98,25	50
150	880	460	880	540	5	2	20	2292	540	98,43	50

(*) 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 different constructions vary by power (kVA).

(****) 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 $\pm 10\%$.
- Additional accessories such as contact thermometers, forced ventilation, breaker, etc. They are quoted at the client's request with additional cost.
- 90° adjustable wheels from 225kVA (at the client's request).
- For special transformers, K factor for handling harmonics, IP protection degrees, reduced temperature increase in the windings, service factor 1.25, low losses, low noise level and different connection group, are manufactured to order, with additional cost.
- The measurements are approximate, for final plans check with the factory.
- The construction and dimensions may vary depending on the power (check with the factory).
- For different or higher powers, they are manufactured to order, check with the factory.

Constituent parts

- Primary winding phase terminals.
- Secondary winding phase terminals.
- Neutral terminal.
- Lifting lugs.
- Taps charger.
- Grounding terminal.
- Terminal box (customer request)
- Nameplate



TR-CO17/7452