

Maintaining an adequate supply for the existing aerial lines requires highly reliable equipment for extending and operating the expansion of overhead lines. Aware of this, at IG we have the widest array of **Three-Phase Pole-Type transformers standard K1000-01.**

Features

Complies with:

- NOM-002-SEDE / ENER, K1000-01, NMX-J-123-ANCE, NMX-J-169-ANCE
- Winding temperature rise of 55° C for warm weather and 65° C for standard weather
- Shunt trip safety switch in five positions: nominal, plus two above and two below
- Corrosion-resistant coating system in salt fog chamber for up to 2016 hours

Application

In air distribution systems such as:

- Residential fractions
- Housing developments
- Rural zone
- Pumping wells
- Retail and small industry
- Urban areas
- Recreation centers



View of manufacturing our own conductor for coils



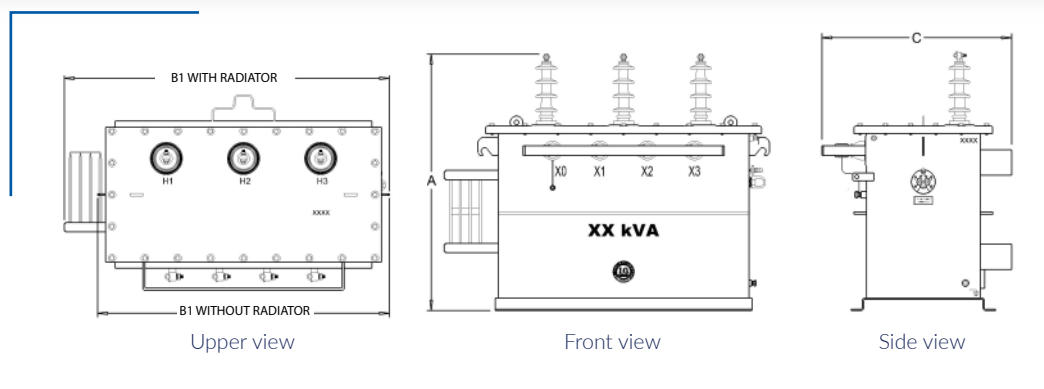
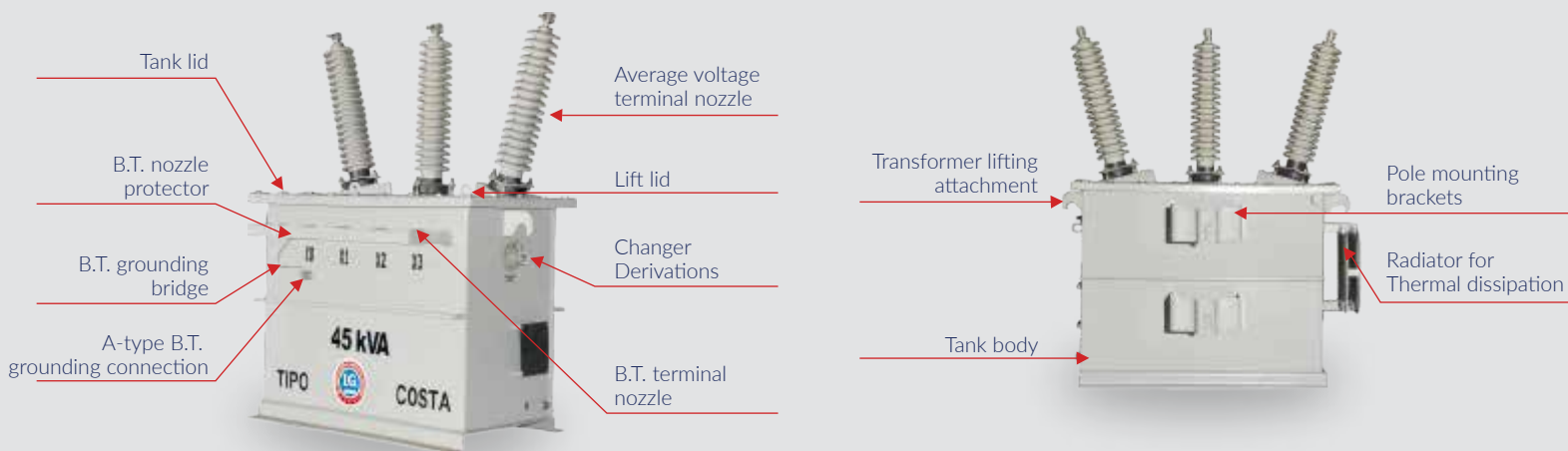
Competitive advantages

- The first transformers factory in Latin America
- Highest-quality transformer in the Mexican market
- 100% guarantee on the indicated capacity (kVA)
- 6-year guarantee, the widest in the Market
- Reliable designs
- State-of-the-art technology
- Quick installation
- Little maintenance required
- With LAPEM approval and certification (CFE)
- Hermetically sealed
- Devices tested in short circuit
- Average life over 20 years

Tests

- Standard beam impulse**
- Short circuit**
- Winding temperature rise**
- Induced potential
- Applied potential
- Losses due to load and impedance
- Losses in vacuum and excitation current
- Power factor
- Insulation resistance
- Ohmic resistance of windings
- Resistance of transformation and polarity
- Hermetic

**Prototype tests



Dimensions and mass of our designs

Class 15 kV				
Nominal voltage 13200 - 220Y / 127				
kVA	A (mm)	B (mm)	C (mm)	Masses (kg)
15	842	877	631	268
30	110	1010	600	462
45	1075	1100	660	578
75	1160	1245	735	617
112.5	1127	1180	850	845
150	1205	1320	835	991

Class 25 kV				
Nominal voltage 23000 - 220Y / 127				
kVA	A (mm)	B (mm)	C (mm)	Masses (kg)
15	975	980	655	288
30	1110	1010	600	462
45	1075	1100	660	578
75	1160	1245	735	1287
112.5	1127	1180	850	845

Class 34.5 kV				
Nominal voltage 33000 - 220Y / 127				
kVA	A (mm)	B (mm)	C (mm)	Masses (kg)
30	1275	1047	773	455
45	1305	1107	863	515
75	1305	1287	913	637
112.5	1405	1317	948	785
150	1405	1187	963	939

Note: according to capacity, not all transformers include radiators; therefore, "B" states the maximum dimension with or without them

Capacities and voltages available with normal or stainless steel tank

Carbon or stainless steel with or without switch			
kVA	Class 15 kV	Class 25 kV	Class 34.5 kV
15	✓	✓	—
30	✓	✓	✓
45	✓	✓	✓
75	✓	✓	✓
112.5	✓	✓	✓
150	✓	✓	✓

Approximate dimensions and weight.
For further information, please contact a sales consultant at any of our points of sales.