

Underground distribution systems have shown to improve the level of confidence in the supply of electric energy.

Likewise, this type of distribution allows developers and all users in general a better option to avoid interfering with appearance and aesthetics in residential applications.

These transformers notably help in the maintenance of the electric lines, as they are less subject to weather variations, the use of these systems is thus significantly growing in Mexico.

IG is again at the forefront in the electrical industry and presents its **Single-Phase Submersible Transformers**.



## Features

- NOM-002-SEDE/ENER, CFEK0000-19, NMX-J-287-ANCE, NMX-J-116-ANCE and NMX-J-123-ANCE
- Insulation with thermal capacity for 55° C
- Self-cooling in insulating liquid
- Corrosion-resistant coating system in salt fog chamber up to 2016 hours

## Applications

**Indistinctively applied in:**

- Business
- Residential areas
- Sports areas
- Shopping malls
- Urbanizations
- Recreational centers

## Competitive advantages

- The first transformers factory in Latin America
- Highest-quality transformer in the Mexican market
- 100% guarantee on the indicated capacity (kVA)
- Reliable designs
- State-of-the-art technology
- More compatible installations
- 6-year guarantee, the widest in the Market
- Environmental harmony and aesthetics
- Better use of space
- Installations less affected by the environment and vandalism
- Average life above 20 years

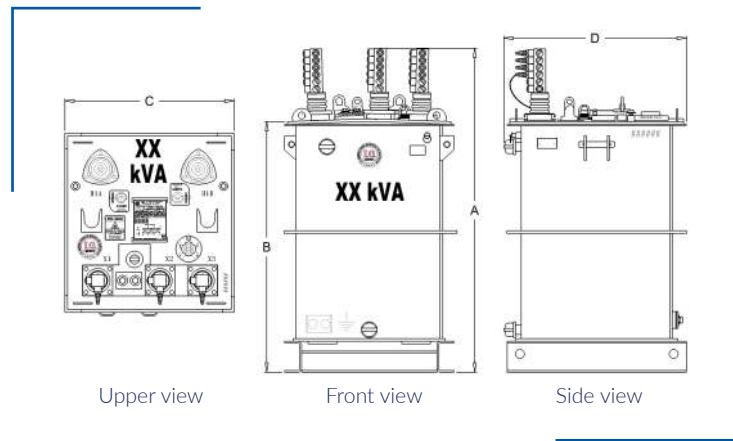
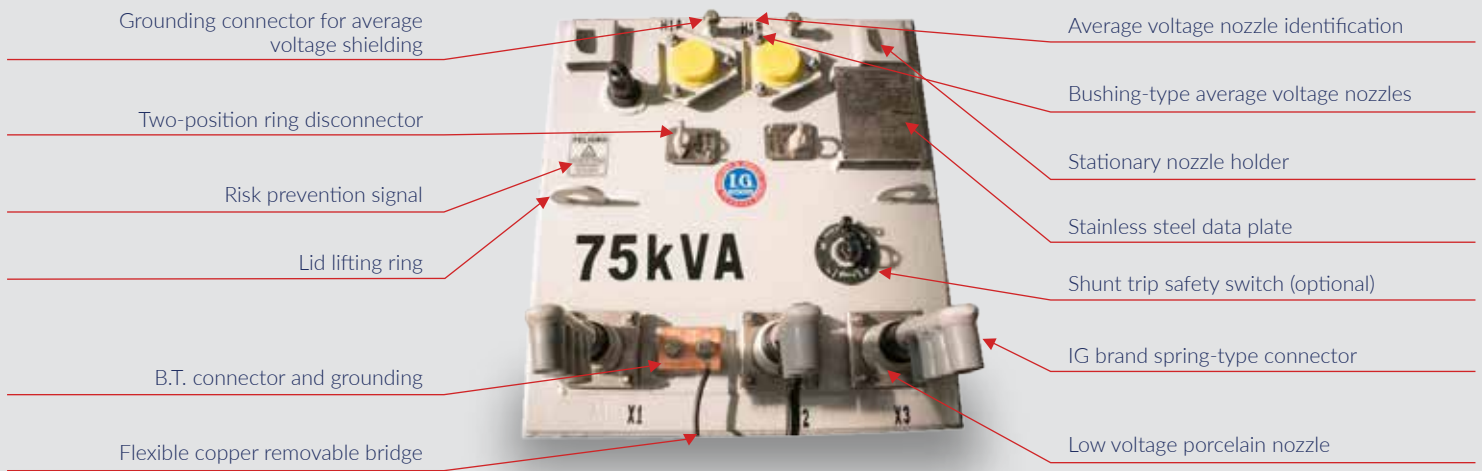
## Tests

- Standard beam drive
- 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



Coils for live part assembly



### Dimensions and mass of our designs

Class 15 kV					
Nominal voltage 13200 YT / 7620 - 240 / 120					
kVA	A (mm)	B (mm)	C (mm)	D (mm)	Masses (kg)
25	1200	895	550	600	385
37.5	1200	895	550	600	406
50	1200	895	550	600	426
75	1205	895	600	645	415
100	1295	985	630	760	675

Class 25 kV					
Nominal voltage 13200 YT / 7620 - 240 / 120					
kVA	A (mm)	B (mm)	C (mm)	D (mm)	Masses (kg)
25	1200	895	550	600	390
37.5	1200	895	550	600	395
50	1205	895	600	645	480
75	1295	985	630	760	625
100	1295	985	635	760	650

Class 34.5 kV					
Nominal voltage 33000 YT / 19050 - 240 / 120					
kVA	A (mm)	B (mm)	C (mm)	D (mm)	Masses (kg)
25	1210	906	567	622	396
37.5	1210	906	567	622	430
50	1240	936	567	622	444
75	1295	986	635	670	587
100	1365	1057	657	783	741

### Capacities and voltages available with normal or stainless steel tank

kVA	Class 15 kV		Class 25 kV		Class 34.5 kV	
	C / ltm	S / ltm	C / ltm	S / ltm	C / ltm	S / ltm
25	✓	✓	✓	✓	✓	✓
37.5	✓	✓	✓	✓	✓	✓
50	✓	✓	✓	✓	✓	✓
75	✓	✓	✓	✓	✓	✓
100	✓	✓	✓	✓	✓	✓

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