

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

Likewise, this type of system allows developers and all users in general a better option to prevent interfering with appearance and aesthetics in residential use.

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

IG is against standing at the forefront of the electric industry, and presents its **Three-Phase Submersible transformers**.



## Features

- NOM-002-SEDE/ENER CFE K0000-22, CFE K0000-05, NMX-J-287-ANCE, NMX-J-116-ANCE and NMX-J-123-ANCE
- Insulation with thermal capacity for 55o C Self-cooling in insulation liquid
- Corrosion-resistant coating system in salt fog chamber for up to 2016 hours

## Applications

Indistinctively applied in:

- Business
- Residential areas
- Sports areas

## Competitive advantages

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

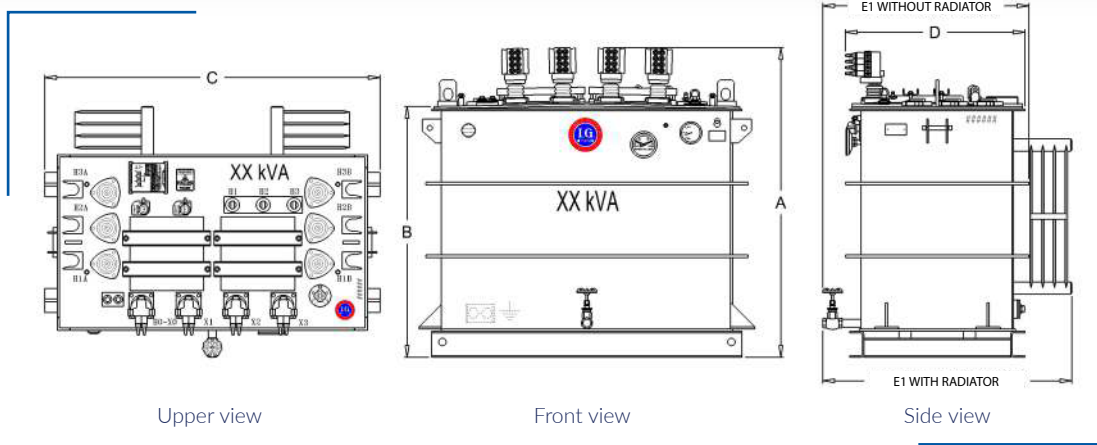
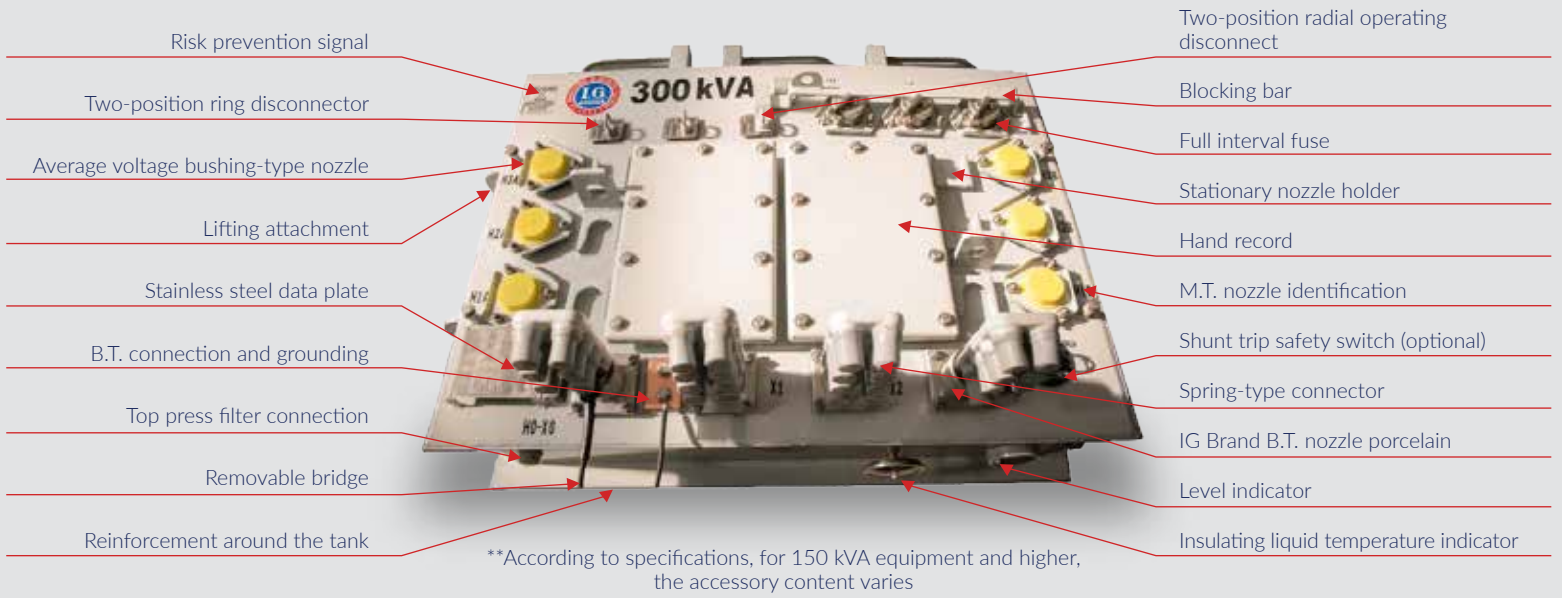
## Tests

- 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
- Resistance of insulation
- Ohmic resistance of windings
- Resistance of transformation and polarity
- Hermetic

\*\*Prototype tests



Enamelling process in magneto wire



## Dimensions and mass of our designs

Class 15 kV						
Nominal voltage 13200 YT / 7620 - 220Y / 127 con o sin ITM						
kVA	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Masas (kg)
75	1320	970	1415	755	—	1175
112.5	1340	990	1415	755	—	1230
150	1440	1090	1415	755	—	1405
225	1410	1060	1415	755	1055	1595
300	1420	1075	1320	905	1233	1900
500	1600	1255	1340	905	1300	2440

Class 25 kV						
Nominal voltage 22860 YT / 13200 - 220Y / 127 with or without ITM						
kVA	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Masas (kg)
75	1355	1020	1415	760	—	1220
112.5	1355	1020	1415	760	—	1290
150	1475	1140	1415	760	—	1480
225	1525	1190	1415	760	1005	1710
300	1455	1125	1480	910	1185	2130
500	1585	1255	1480	910	1285	2615

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

kVA	Class 15 kV		Class 25 kV	
	C / ltm	S / ltm	C / ltm	S / ltm
75	✓	✓	✓	✓
112.5	✓	✓	✓	✓
150	✓	✓	✓	✓
225	—	✓	—	✓
300	—	✓	—	✓
500	—	✓	—	✓

Dimensions and approximate weights.  
For more information please  
To contact your sales consultant  
In any of our  
points of sale.