



PRODUCT CATALOG

DELTA TRANSFORMADORES

www.deltaelectric.com.mx

Ave. Constituyentes de Nuevo León#1210 Col. Los Fresnos, Monterrey,
N.L. C.P .64540



TABLE OF CONTENTS

02

TRANSFORMERS

Types of transformers	03
Substation type	05
Pole type	06
Dry type	08
Pad - Mounted Type (Single - phase)	10
Pad - Mounted Type (Three - phase)	12

14

ELECTRICAL CABINETS

Types of Cabinets	15
General Use Cabinet (Himmel)	16
Metering Cabinet (2-door and 3-door)	18
Pulse Cabinet with table	19

20

SUBSTATIONS AND CONCENTRATORS

Types of Substations and Concentrators	21
NEMA 1 and NEMA 3R Substation	22
NEMA 1 and NEMA 3R Concentrator	23



TRANSFORMERS



Delta offers a wide range of distribution transformers for commercial, residential and industrial use in single-phase and three-phase wiring, handling various types of transformers:

- Pole
- Pad-mounted
- Substation
- Dry

kVA Capacities: From 5 kVA to 5000 kVA

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TRANSFORMERS



SUBSTATION



PAD - MOUNTED
SINGLE PHASE - THREE PHASE



DRY



POLE

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SUBSTATION TRANSFORMER



Applicable regulations:

NMX-J-284-ANCE for 750 kVA or greater.

NMX-J-116-ANCE for 225 kVA to 500 kVA.

Complies with ANSI IEEE

Used in electrical distribution networks or underground.

Mostly used in private settings (commercial or industrial), designed for heavy duty.

Fully sealed, high resistance under extreme condition environments and hard work.

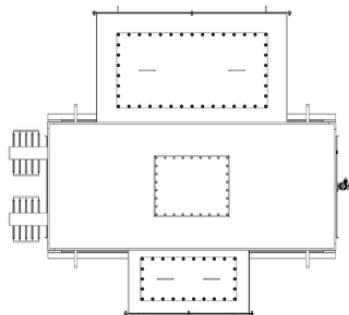
One of the most used equipment in businesses and industries, since it is coupled to closed or open electrical substations.

Used to power restaurants, movie theaters, hotels, industrial parks, among others.

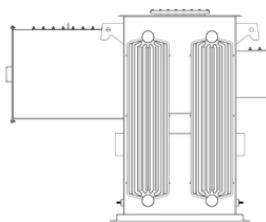
The Delta Transformers substation-type, standard NMX-J-284-ANCE, offers capacities greater than 225kVA up to 5000 kVA, at voltages of 34.5 kV and a basic insulation level of 200kV.

OVERVIEWS

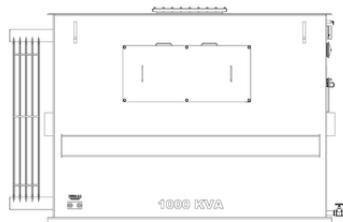
TOP VIEW



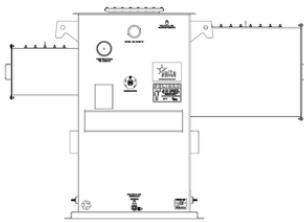
LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW



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POLE TRANSFORMER



Applicable regulations:

NFR-025-CFE

NOM-002-SEDE

NMX-J-116-ANCE

NMX-J-123-ANCE

NMX-J-169-ANCE

Complies with ANSI IEEE

Used in electrical networks for public or private air distribution.

For private use (residential, commercial or industrial) must comply with NOM-002-SEDE standards.

Space saver and fast installation.

In the installation of distribution networks, electric utilities may choose to run three-phase overhead lines, depending on various factors such as high density, voltages, specific equipment requirements, among others.

The use of three-phase transformers is convenient in these applications, and Delta Transformers offers a line to meet these needs.

Features

- Externally operated tap changer.
- High and low voltage bushings with connectors to accept aluminum or copper conductors.
- Reinforced tank to resist internal pressures.
- Relief valve for internal overpressures.
- ANCE certification.
- Connection: Delta-Star.
- For normal environment and hot climates.
- Tap changer for five positions, two above and two below and steps of 2.5% each.
- Steel tank.



POLE TRANSFORMER

Applications

These devices are applied to serial distribution systems such as:

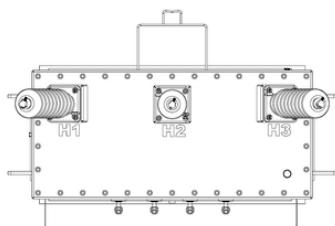
- Urban areas.
- Rural areas.
- Residential subdivisions.
- Small industries and stores.
- Recreational centers.
- Pumping wells.

Advantages

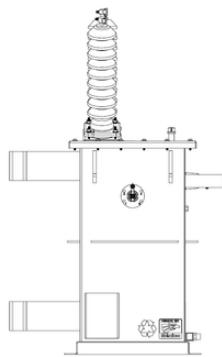
- Lower initial cost.
- Space saving.
- Quick installation.
- Low maintenance.

OVERVIEWS

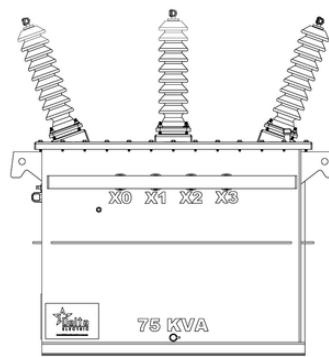
TOP VIEW



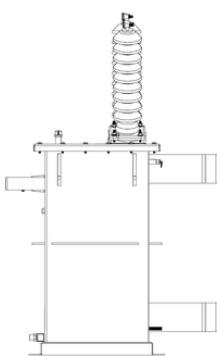
LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW





DRY TRANSFORMER



Applicable regulations:

NMX-J-351-ANCE.

Complies with ANSI IEEE

Used to increase or decrease the primary voltage level or secondary to a maximum of 600 V.

For commercial or industrial use.

Compact, free of risk of fire or explosions.

Can be installed in indoor or outdoor electrical networks.

This equipment uses ambient air as a cooling medium- as well as insulation- for their windings and components.

Its main function is the same as that of transformers immersed in insulating liquid, i.e. to adapt the primary voltage levels to those used in industries, residences and companies in general.

Features

- Electrolytic conductor windings of maximum conductivity, with low tension blade conductor.
- Rolled and lapped grade M or H oriented steel cores.
- 220°C insulation system, impregnated with insulating resin without inflammable solvent (Class H).
- Two taps above and two taps below rated primary voltage.
- Case made of steel, with electrostatically applied polyester powder paint in color ANSI 49 grey.
- Temperature of 80°C, 115°C or 150°C.
- With capacities (kVA) from 5kVA to 500 kVA.
- Available Cu-Cu or Al-Al coils.



DRY TRANSFORMER

Applications

- Industrial.
- Commercial.
- Connected to the main substation voltage.
- Voltage of 440V or 480V to feed general machinery voltage 220/127V for general services.

Advantages

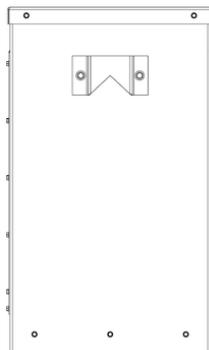
- 100% guarantee of indicated capacity (kVA).
- Economical.
- Exempt from explosion or fire risks.
- Maximum safety.
- Compact design.

OVERVIEWS

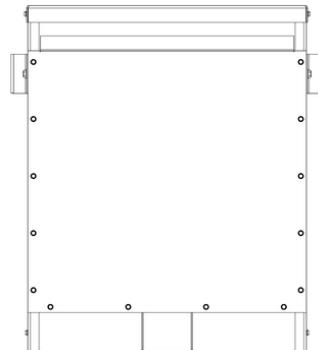
TOP VIEW



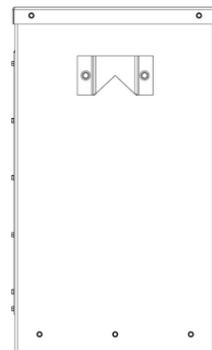
LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW





PAD-MOUNTED TRANSFORMER

Single-phase



Applicable regulations:

NOM-002-SEDE

NMX-J-285-ANCE

NMX-J-123-ANCE

NMX-J-169-ANCE

ANSI IEEE C57.12.00

ANSI IEEE C57.12.38.

Complies with ANSI IEEE

Used in underground electrical distribution networks and for outdoor operation.

Safe, compact, aesthetic and provides various protection elements.

Residential use (subdivisions).

The demand for electrical energy has increased considerably in recent years, as our environment is now fundamentally dependent on the uninterrupted flow of electricity.

For this reason, we require increasingly reliable systems that allow us to perform our daily activities adequately.

Safety and aesthetics have also been relevant factors for the increase in the use of underground distribution systems in our country.

To meet these needs, Delta Transformadores offers a line of single-phase pad-mounted transformers.

Features

- 65° C temperature rise (55°C available on request)
- No load tap changer (optional).
- Bushing wells for high voltage.
- Low voltage bushings with 6 holes spade connectors.
- Expulsion fuse in series with current limiting fuse or isolation link.
- Fault indicator (optional).
- Closed cabinet with penta-head bolt for locking and padlock provision.
- Welded tank cover.
- Mild steel or stainless steel tank.

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PAD-MOUNTED TRANSFORMER

Single-phase

Applications

Optimization of reliability, safety and aesthetics in:

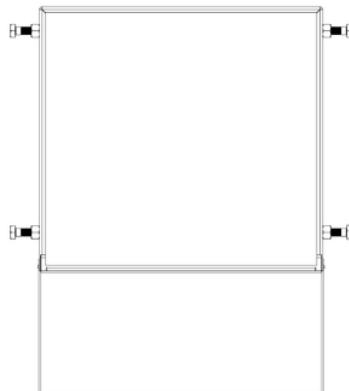
- Residential subdivisions.
- Tourist developments.
- Commercial centers.
- Recreational centers.
- Hotels.

Advantages

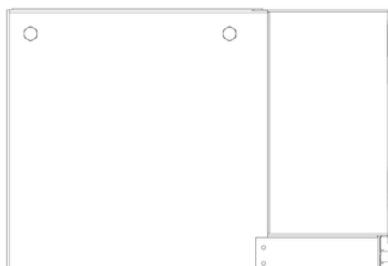
- Increased security.
- Increased property value.
- Elimination of visual contamination.
- Easy access.

OVERVIEWS

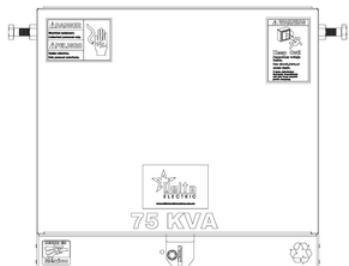
TOP VIEW



LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW





PAD-MOUNTED TRANSFORMER

Three-phase



Applicable regulations:

NMX-J-285-ANCE

NMX-J-169-ANCE

NOM-002-SEDE

Complies with ANSI IEEE

Used in electrical distribution underground and installed in the open.

Safe, compact, aesthetic and provides various protection elements.

Private, residential, commercial or industrial use.

Designed to operate outdoors mounted on a concrete base.

It has an integrated vandal-proof cabinet containing the accessories and connection terminals.

Features

- Dead front accessories.
- Type of operation radial or ring and connection in high tensión.
- Delta-Star according to the required specification.
- Four derivations of 2.5%.
- Capacities from 30kVA to 2500kVA.
- Class: 15kV, 25kV, 34.5kV.
- Connections: Delta/Star.
- Available coils: Cu-Cu, Al-Al or Cu-Al.



PAD-MOUNTED TRANSFORMER

Three-phase

Applications

Used in locations where safety and appearance are a decisive factor, such as:

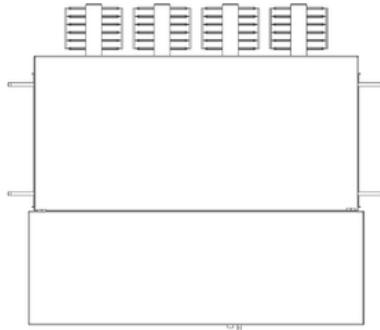
- Commercial developments.
- Tourist developments.
- Office and/or residential buildings.
- Hotels.
- Hospitals.
- Wind farms.
- Small and medium industry with need for compact substations.
- Universities.

Advantages

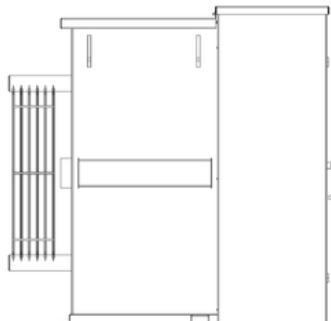
- Minimum space requirement.
- Safer, since there are no parts accessible to people, so they can be installed in public places with restricted access.
- Functions as a complete substation.
- Minimal maintenance.
- Self protected.
- Easy restoring service after a failure in the secondary.
- Quick and safe power disconnection.
- Nice aesthetic appearance.

OVERVIEWS

TOP VIEW



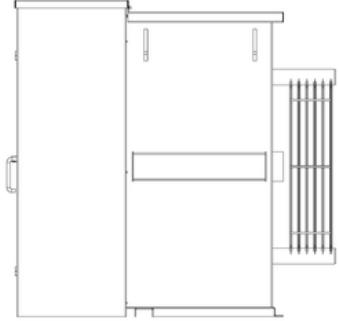
LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW





ELECTRICAL CABINETS



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ELECTRICAL CABINETS



GENERAL USE
HIMMEL



METERING CABINET
DOUBLE DOOR



METERING CABINET
TRIPLE DOOR

PULSE CABINET WITH
TABLE



ELECTRICAL CABINETS

GENERAL USE (HIMMEL)



They are designed for the proper operation, distribution, and control of electrical energy in industrial, commercial, and residential installations. They can be used to protect electrical and electronic instruments, motor controls, electrical wiring distribution systems, among other applications.

Material	A36 black sheet metal
Gauge	16 or 18
Type	Flush-mounted / Surface-mounted
Use	Indoor / Outdoor
Type of paint	Polyester electrostatic coating
Color	Beige / Gray
Application	Spray-baked at 120°C
Protection	NEMA 3R and includes gasket

DIMENSIONS



Unit of measurement: cm

A	B	C	A	B	C	A	B	C
25	20	15	50	50	30	100	80	25
25	30	15	60	40	20	100	80	30
30	25	15	60	40	25	120	80	30
30	30	15	60	50	25	120	100	30
30	30	20	60	60	20	120	110	35
40	30	20	60	60	25	200	100	35
40	40	20	60	60	30			
50	40	20	70	50	20			
50	40	25	70	50	25			
50	50	25	80	60	30			

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ELECTRICAL CABINETS

GENERAL USE (HIMMEL)

OVERVIEWS

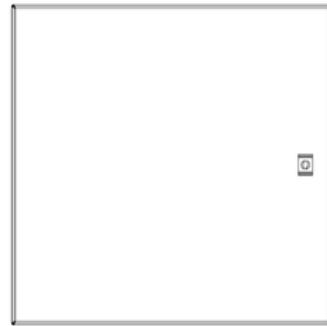
TOP VIEW



LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW





ELECTRICAL CABINETS

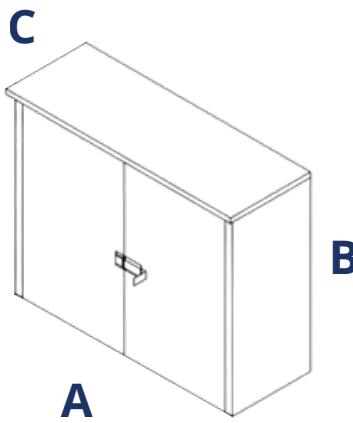
2-DOOR AND 3-DOOR METERING



Our cabinets are ideal for outdoor use, featuring separate compartments for metering and switching. Inside, they provide protection for electrical instruments and equipment, and include space for current transformers and metering components. They are weather-resistant and comply with NEMA 3R protection standards.

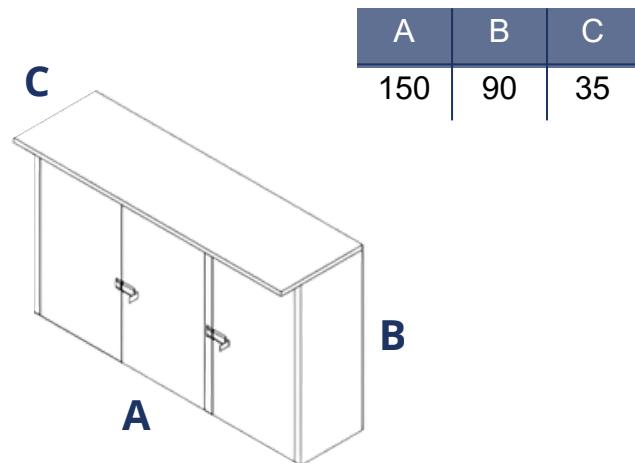
Material	A36 black sheet metal
Gauge	20
Use	Indoor / Outdoor
Type of paint	Polyester electrostatic coating
Color	Beige / Gray
Application	Spray-baked at 120°C
Protection	NEMA 3R and includes gasket

DIMENSIONS



A	B	C
90	60	35
90	90	35
90	100	35
90	120	35
100	60	35

Unit of measurement: cm





ELECTRICAL CABINETS

PULSE CABINET WITH TABLE

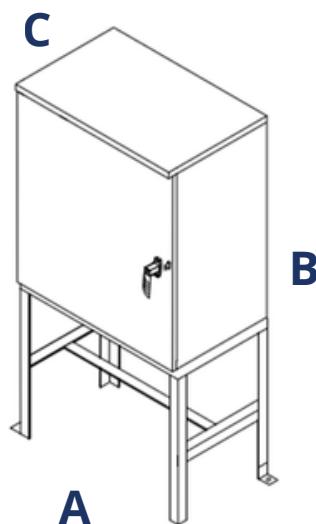


Our cabinets are ideal for outdoor use, featuring separate compartments for metering and switching. Inside, they protect electrical instruments and equipment, and provide space for current transformers and metering. Our cabinets are weather-resistant and comply with NEMA 3R protection standards.

Material	A36 black sheet metal
Gauge	12,14,16
Use	Outdoor
Type of paint	Polyester electrostatic coating
Color	Gray
Application	Spray-baked at 120°C
Protection	NEMA 3R and includes gasket
Installation	Mounting type



DIMENSIONS



A	B	C
90	180	50

Unit of measurement: cm



MODULAR SUBSTATIONS AND RESIDENTIAL METER STACKS



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MODULAR SUBSTATIONS AND RESIDENTIAL METER STACKS



**MODULAR SUBSTATION
NEMA 1**



**MODULAR SUBSTATION
NEMA 3R**



**RESIDENTIAL METER STACK
NEMA 1**



**RESIDENTIAL METER STACK
NEMA 3R**



MODULAR SUBSTATIONS

NEMA 1 AND NEMA 3R



A compact substation consists of modular cubicles. These cubicles are grouped together to form arrays, and each array is customized to the customer's requirements, or you can choose from common arrays that we implement.

The compact substations serve the following applications:

- Connection and disconnection maneuvers for medium voltage distribution networks with load.
- Connection and disconnection of distribution transformers.
- As feeder panels for medium voltage in industrial and commercial applications.



RESIDENTIAL METER STACKS

NEMA 1 AND NEMA 3R



Residential meter stacks are designed to meet the requirements of multiple metering applications. From a main cabinet for the service entrance, branch sections are connected to supply final circuits via branch circuit breakers. By using horizontal main busbars, the number of branch bases is limited only by the physical space and the current capacity of your main cabinet.

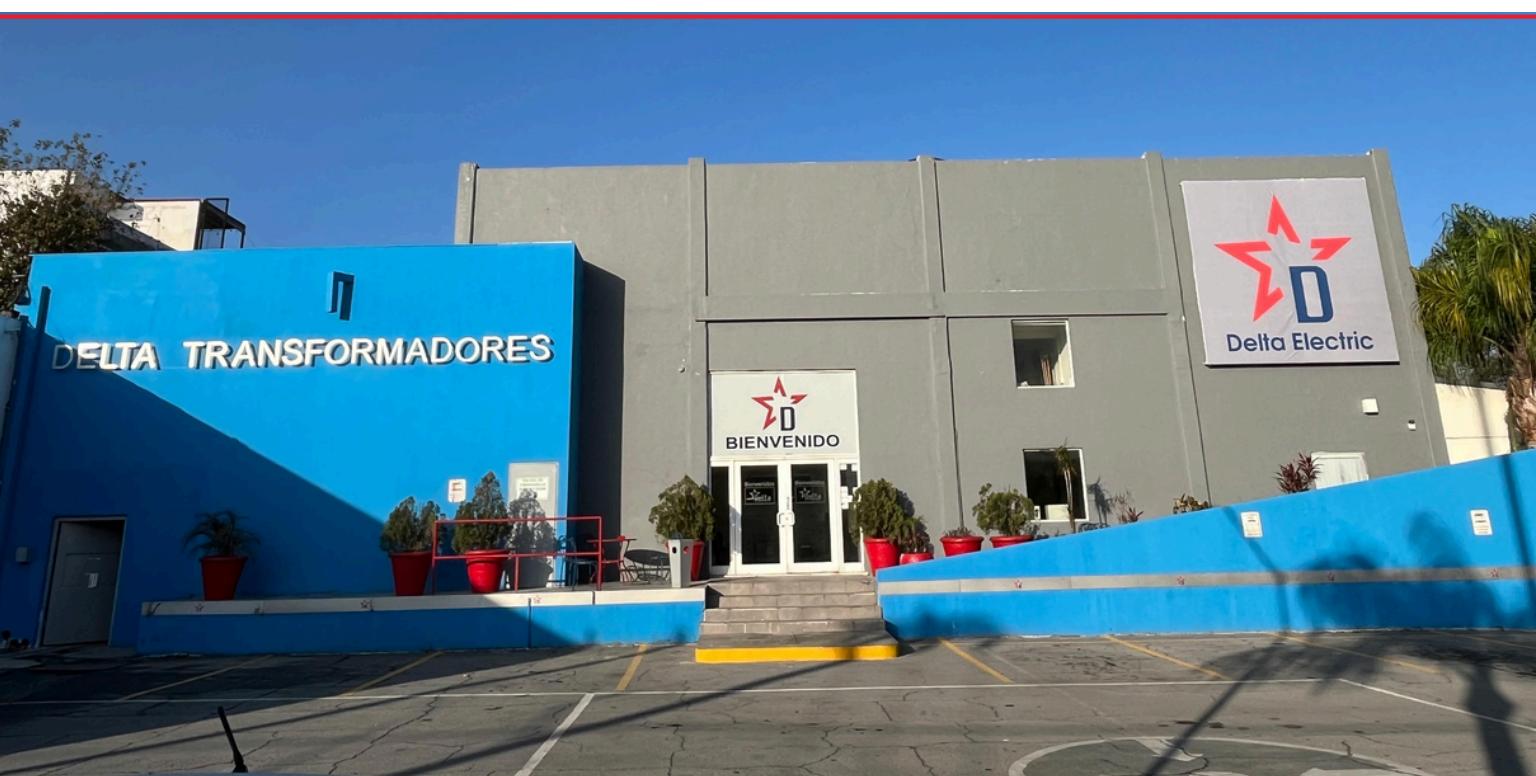
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CONTACT US

*SOLUTIONS TO ALL YOUR ELECTRICAL
NEEDS*



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