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MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R

112.5 kVA Zig Zag Autotransformer - 480V Delta Primary - 480Y/277V Wye-N Secondary - NEMA 3R - 60Hz

Product ID: 279581



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

Specifications / Additional Information

MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R Zig Zag Autotransformer

Transformer Type: Zig Zag Autotransformer
Phase: Three Phase
Frequency: 60 Hz
kVA: 112.5
Primary Voltage: 480 V Delta
Taps: -
Secondary Voltage: 480Y/277 V Wye-N
Max Continuous Amperage Per Leg: 135.25 Amps
Winding Material: Aluminum
Insulation: 180°C
Temperature Rise: 115°C
Impedance (Std): -
Seismic: Yes
Sound Level: Meets NEMA ST-20 Standards
Primary Termination: -
Secondary Termination: -
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated
Finish: ANSI 61 Grey, UL50 Finish
Dimensions: 16.94"H x 42.36"W x 11.59"D
Weight: 510 lb
Mounting: Floor Mount

Ratings

Listed for United States and Canada
ANN Cooling
IP24 Rated
Zig Zag Autotransformer
Provides a Neutral from Delta Configuration

Special Orders- Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R Three Phase Zig Zag Autotransformer from Larson Electronics is powerful, reliable, and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R provides increased reliability, higher efficiency, protection against critical equipment failures and an extra level of protection by isolating the power source from the connected device. The lower operating costs, lower heat emissions and lower cost of ownership make this transformer ideal for a wide range of applications and businesses. The MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R is a zig zag autotransformer which means that it is designed to provide a neutral from a delta configuration.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

Transformer Features: With a transformer rating of 112.5 kVA, the MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R zig zag autotransformer is a three phase unit with a primary voltage of 480 V Delta. It also provides a secondary voltage of 480Y/277 V Wye-N. Featuring robust construction, this unit`s cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The Standard NEMA Type 3R enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. The unit also features 180°C insulation with a 115°C temperature rise and is rated IP24.

Benefits: The MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R zig zag autotransformer offers many benefits to the consumer. Precision cut aluminum transformer winding material help to improve performance. The close tolerances used during manufacturing also eliminates burrs which hinder performance. Each core is specially coated to prevent the ingress of moisture and are electrically balanced to minimize axial forces during short circuit situations.

This zig zag autotransformer provides owners with significant energy savings as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership. Integrated mounting brackets make installation fast and easy and the offset outward facing installation holes allow for easy power tool access.

Safety: The MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R is a zig zag autotransformer which means that it has the ability to adjust the supply voltage to match specific load requirements when load isolation from the supply line is not required. Autotransformers are typically used in distribution systems that require small voltage corrections during operation.

Please note that this zig zag autotransformer does NOT provide any form of isolation. It is designed to provide a neutral from a delta configuration.

Applications: Situations that require a transformer that has a neutral from a delta configuration.

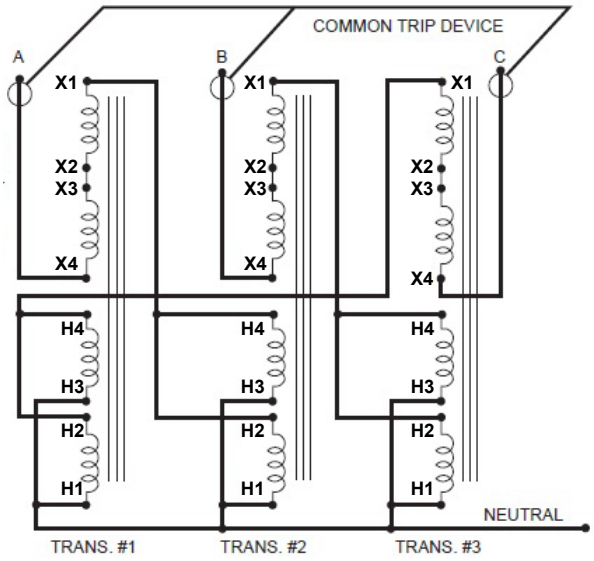
Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

Wiring Diagram

WARNING: *DO NOT SERVICE WHILE ENERGIZED!*

MT-ATX-ZZ-480D-112.5KVA-480Y.277-N3R

Primary Voltage: 480V Delta
Secondary Voltage: 480Y/277 V Wye-N



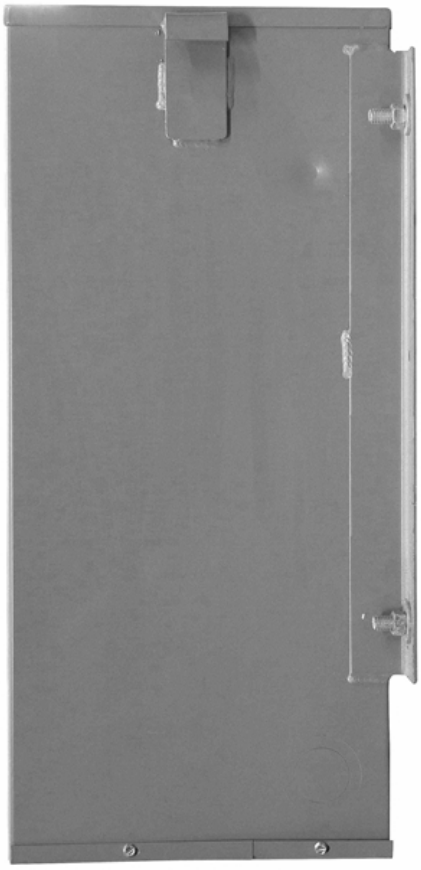
Connection Guide

1. Connect **X2** and **X3** together for each transformer
2. Connect **X1** from **Trans. #1** to **H4** and **H2** on **Trans. #2**
3. Connect **X1** from **Trans. #2** to **H4** and **H2** on **Trans. #3**
4. Connect **X1** from **Trans. #3** to **H4** and **H2** on **Trans. #1**
5. Connect **H3** and **H1** together and bridge between all three trans. for Neutral
6. Connect High Voltage 480V **Phase A** to **X4** on **Trans. #1**
7. Connect High Voltage 480V **Phase B** to **X4** on **Trans. #2**
8. Connect High Voltage 480V **Phase C** to **X4** on **Trans. #3**
9. Connect Low Voltage 277V using **Phase A** and **Neutral**
10. Connect Low Voltage 277V using **Phase B** and **Neutral**
11. Connect Low Voltage 277V using **Phase C** and **Neutral**

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MT-ATX-ZZ-480D-156KVA-480Y.277-N3R
Connection Guide
TRANSFORMER 3 OF 3
WARNING
Hazardous voltage can shock, burn or cause death. Disconnect all input power before installing or maintaining this equipment.
La tension électrique peut électriser, brûler, ou causer la mort Déconnector la tension d'entrée avant d'ouvrir le boîtier
A46
General Purpose Transformer


LARSON
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MT-ATX-ZZ-480D-156KVA-480Y/277-N3R
Connection Guide
TRANSFORMER 3 OF 3
WARNING
A46
General Purpose Transformer
MUSTER




WARNING

Frequently Asked Questions (FAQ)