Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MT-ATX-ZZ-480D-78KVA-480Y.277-N3R

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

Product ID: 235217



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-78KVA-480Y.277-N3R Zig Zag Autotransformer

Transformer Type: Zig Zag Autotransformer
Phase: Three Phase
Frequency: 60 Hz
kVA: 78
Primary Voltage: 480 V Delta
Taps: -
Secondary Voltage: 480Y/277 V Wye-N
Max Continuous Amperage Per Leg: 93.5 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: 15.19"H x 40.5"W x 10.84"D
Weight: 345 lb
Mounting: Floor or Wall 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-78KVA-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-78KVA-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-78KVA-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 78 kVA, the MT-ATX-ZZ-480D-78KVA-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 or wall mounted. The unit also features 180°C insulation with a 115°C temperature rise and is rated IP24.

Benefits: The MT-ATX-ZZ-480D-78KVA-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-78KVA-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.

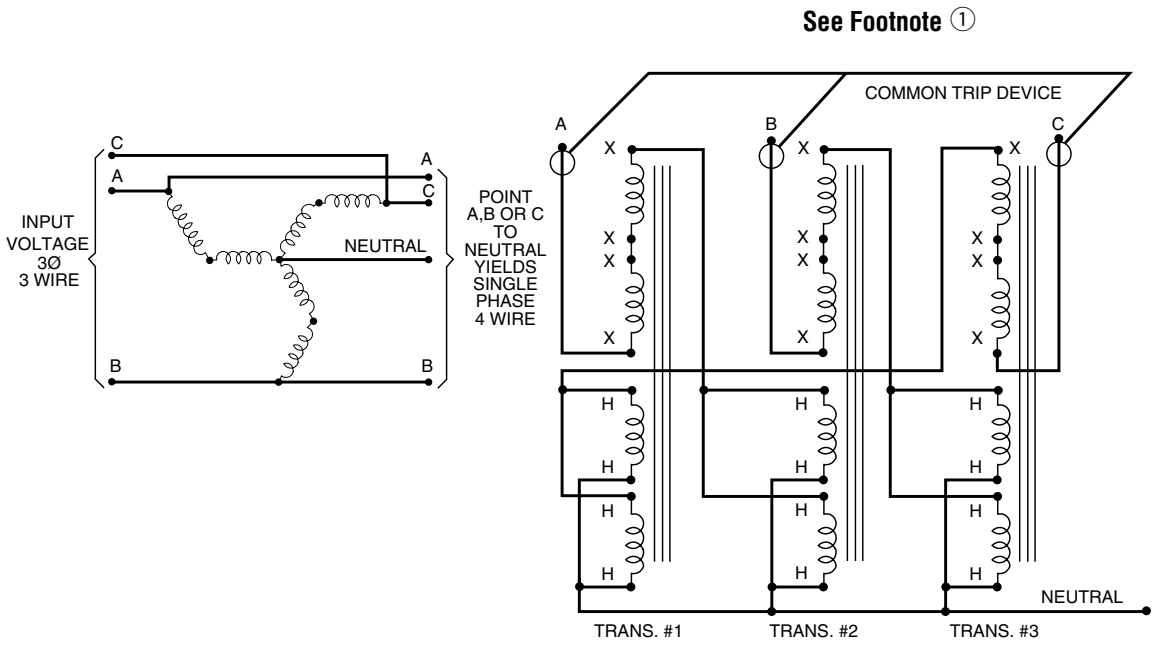
Applications: Situations that require a transformer that has a neutral from a delta configuration.

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 Series



O = Fuse Location NEC 450-4, 1990. ②

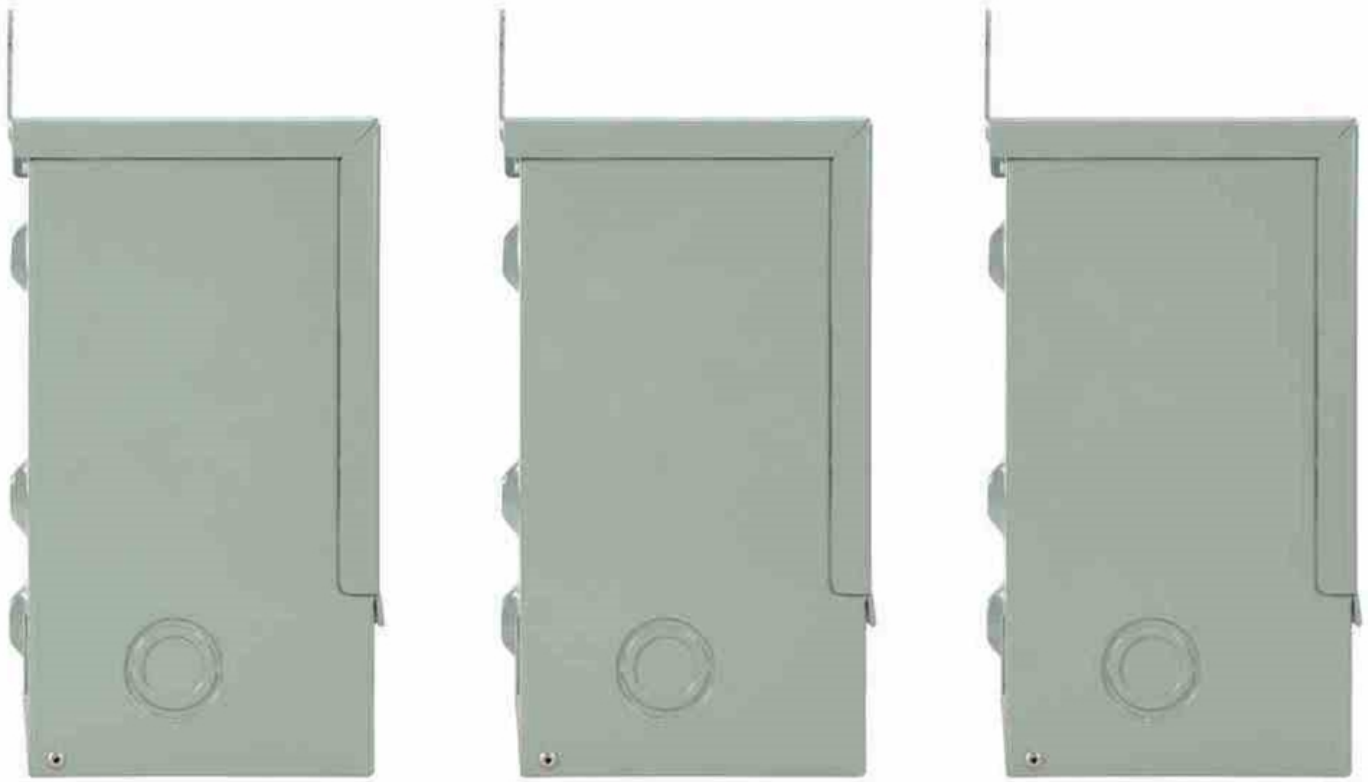
①Connection diagram (using 3 pieces of 1 phase, 60 hertz transformers connected zig-zag auto) for developing a neutral (4th wire) from a 3 phase, 3 wire supply.

②For proper over-current protection, refer to the N.E.C. Article 450-5.

LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com


LARSON ELECTRONICS
DRY TYPE ISOLATION/BUCK- BOOST TRANSFORMER
MT-BBT
H1 H3 H2 H4
Cooling: ANC
Frequency: 50/60Hz
Encl. Type: 3R
Winding: Copper
X4 X2 X3 X1
LISTED
LARSONELECTRONICS.COM
1-800-369-6671
sales@larsonelectronics.com
DANGER - HIGH VOLTAGE
DANGER - HAUTE TENSION


LARSON ELECTRONICS
DRY TYPE ISOLATION/BUCK- BOOST TRANSFORMER
MT-BBT
H1 H3 H2 H4
Cooling: ANC
Frequency: 50/60Hz
Encl. Type: 3R
Winding: Copper
X4 X2 X3 X1
LISTED
LARSONELECTRONICS.COM
1-800-369-6671
sales@larsonelectronics.com
DANGER - HIGH VOLTAGE
DANGER - HAUTE TENSION





Frequently Asked Questions (FAQ)