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MT-ATX-3P-690Y.398-750KVA-480Y.277-N3R-CU

750 kVA 3PH Autotransformer, 690Y/398 Wye-N Primary, 480Y/277 Wye-N Secondary, NEMA 3R, Ventilated, 60 Hz

Product ID: 312302

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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.

MT-ATX-3P-690Y.398-750KVA-480Y.277-N3R-CU Isolation Autotransformer

Transformer Type: Isolation Transformer, Autotransformer
Transformer Configuration: Dry Type
Phase: Three Phase
Frequency: 60 Hz
Primary Voltage: 690Y/398 V AC
Primary BIL: 10 kV
Primary Connection: Wye-N
Capacity: 750 KVA
Secondary Voltage: 480Y/277 V AC
Secondary BIL: 10 kV
Secondary Connection: Wye-N
Knockouts: -
FCAN (Above) Taps: 2
FCAN (Below) Taps: 4
Tap %: 2.5
Impedance: 2.5-6.5% typical
Efficiency @ 35% Load: ~98%
Winding Material: Copper
Primary Termination (Std): Terminal Lugs
Secondary Termination (Std): Terminal Lugs
Secondary Switch: Included, 480V AC Fused Switch
Transformer Protection: Included, (3) 1200A Fuses
Surge Arrestors: Included, (3) 1 kV Class

Approvals/Ratings

NRTL listed for United States & Canada
NEMA 3R Indoor/Outdoor Stainless Steel Enclosure
Meets or Exceeds NEMA ST-20 Standards
Isolation Autotransformer
Distribution Type Transformer
Built to UL-50 Standards
Seismic certified for Earthquake Loads
RoHS

Termination Access: Front Access Cover
Mounting: Floor
Cooling: Air/Dry
Insulation: 220°C
Temperature Rise: 150°C
Sound Level: Meets NEMA ST-20 Standards
Form Factor: Square Tube Frame w/ 1/8" Side Walls, Skid Pockets, Top Pick Eye & Locking 8" Casters
Frame Materials: Powder Coated Steel
Transformer Enclosure Material: NEMA Type 3R Heavy Duty Ventilated - Steel
Transformer Enclosure Finish: ANSI 61 Grey
External Dimensions: 60"W x 50"L x 80"H
Interior Dimensions: 56"W x 46"L x 70"H
Weight: 3950 lbs
Shipping Method: Pallet Freight - LTL
Shipping Weight: 4100 lbs
Shipping Dimensions: ~ 70"W x 60"L x 90"H

Special Orders - Special Requirements
Contact us for special requirements

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The MT-ATX-3P-690Y.398-750KVA-480Y.277-N3R-CU Three Phase 690Y/398 to 480Y/277, 750 KVA Energy Efficient Autotransformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-ATX-3P-690Y.398-750KVA-480Y.277-N3R-CU provides increased reliability and protection against critical equipment failures. The lower operating costs, lower heat emissions and lower cost of ownership make this transformer ideal for a wide range of applications and businesses.

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

Transformer Features: The MT-ATX-3P-690Y.398-750KVA-480Y.277-N3R-CU autotransformer is a three phase transformer with a 750 KVA capacity rating. This transformer is configured with an input voltage of 690Y/398 Wye-N 3-Phase AC on the primary side and an output voltage of 480Y/277 Wye-N 3-Phase AC on the secondary side. 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 Type 3R enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. This 750 KVA distribution transformer features 220°C insulation with a 150°C temperature rise.

Benefits: The MT-ATX-3P-690Y.398-750KVA-480Y.277-N3R-CU 690Y/398 Wye-N to 480Y/277 Wye-N general purpose transformer offers many benefits to the consumer. Precision cut copper 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 transformer 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 floor installation holes allow for easy power tool access.

Safety: The MT-ATX-3P-690Y.398-750KVA-480Y.277-N3R-CU is an 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 is distribution systems that require small voltage corrections during operation.

Applications: Power supplies for sensitive equipment such as computers, medical devices, or laboratory instruments.

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.

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Frequently Asked Questions (FAQ)

MT-ATX-3P-690Y.398-750KVA-480Y.277-N3R-CU

Product ID: 312302

Warranty: 6 Months

Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**