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MT-K4-3P-480D-750KVA-208Y.120-N3R

750 kVA Isolation Transformer - 480V Delta Primary - 208Y/120 Wye-N Secondary - NEMA 3R

Product ID: 292748



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-K4-3P-480D-750KVA-208Y.120-N3R DOE Efficiency Isolation Transformer
Transformer Type: Harmonic Mitigation Transformer
Transformer Configuration: Dry Type
Phase: Three Phase
Frequency: 60 Hz
Primary Voltage: 480V AC
Primary Connection: Delta
Capacity: 750 KVA
Secondary Voltage: 208Y/120V AC
Secondary Connection: Wye-Neutral
Knockouts: -
FCAN (Above) Taps: 2
FCAN (Above) Taps: 4
Tap %: 2.5
Impedance: 2.5-6.5% typical
Efficiency @ 35% Load: ~98%
Winding Material: Aluminum
Primary Termination (Std): Terminal Lugs
Secondary Termination (Std): Terminal Lugs
Termination Access: Front Access Cover
Mounting: Floor
Cooling: Air/Dry
Insulation: 220°C
Temperature Rise: 150°C
K-Factor Rating (Harmonic Mitigation): K-4 Designed for Harmonic-producing equipment representing <35%
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated - Steel
Finish: ANSI 61 Grey

Approvals/Ratings
NRTL listed for United States
NRTL listed for Canada
NEMA 3R Indoor/Outdoor Steel Enclosure
Meets or Exceeds NEMA ST-20 Standards
DOE Efficiency Isolation Transformer
Distribution Type Transformer
Built to UL-50 Standards
Seismic Qualified for Earthquake Loads
Electrostatically Shielded
K4 Harmonic Mitigation Rated
RoHS
CE Certified

Special Orders- Requirements

Dimensions: 41.5"L x 54"W x 62.8"H
Weight: 3600 lbs
Shipping Method: Pallet Freight - LTL
Shipping Weight: 3750 lbs
Shipping Dimensions: 48"L x 56"W x 3600"H

Contact us for special requirements
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The MT-K4-3P-480D-750KVA-208Y.120-N3R 480 V Delta 3 Phase Energy Efficient Isolation Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for indoor applications, the MT-K4-3P-480D-750KVA-208Y.120-N3R 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: With a transformer rating of 750 kVA and a K-factor of 4, the MT-K4-3P-480D-750KVA-208Y.120-N3R distribution transformer is a three phase unit with a primary voltage of 480 V Delta. It also provides a secondary voltage of 208Y/120 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 indoor applications and it can be floor mounted. The unit also features 220°C insulation with a 150°C temperature rise and is rated IP14.

Benefits: The MT-K4-3P-480D-750KVA-208Y.120-N3R distribution transformer 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 distribution 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 installation holes allow for easy power tool access.

Safety: The MT-K4-3P-480D-750KVA-208Y.120-N3R is a distribution transformer which means that it provides operators with an increased level of protection against electric shock. A distribution transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-K4-3P-480D-750KVA-208Y.120-N3R achieves these safety features by separating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

Applications: General purposes.

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)