Larson Electronics LLC
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MT-ISX-3P-208D-15KVA-480D-N1

15 kVA Isolation Transformer - 208V Delta Primary - 480V Delta Secondary - NEMA 1

Product ID: 243735

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-ISX-3P-208D-15KVA-480D-N1 Isolation Transformer

Transformer Type: Isolation Transformer
Transformer Configuration: Dry Type
Phase: Three Phase
Frequency: 60 Hz
Primary Voltage: 208V AC
Primary Connection: Delta
Capacity: 15
Secondary Voltage: 480V AC
Secondary Connection: Delta
Knockouts: Sides
FCAN (Above) Taps: 2
FCBN (Below) 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
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated - Steel
Finish: ANSI 61 Grey
Dimensions: 19.37"L x 24.39"W x 25.5"H
Weight: 290 lb

Approvals/Ratings

NRTL listed for United States & Canada
NEMA 1 Indoor Stainless Steel Enclosure
Meets or Exceeds NEMA ST-20 Standards
Isolation Transformer
Distribution Type Transformer
Built to UL-50 Standards
Seismic certified for Earthquake Loads
RoHS

Special Orders - Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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Shipping Method: Pallet Freight - LTL
Shipping Weight: 355 lb
Shipping Dimensions: 48"L x 40"W x 34"H

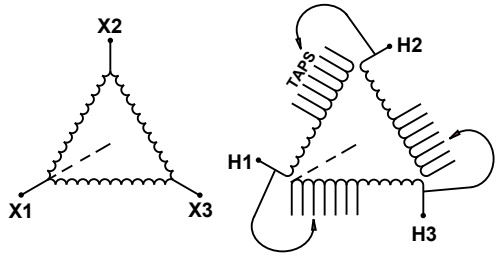
Intl: 1-214-616-6180
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The MT-ISX-3P-208D-15KVA-480D-N1 Three Phase 208V to 480V 15 KVA Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for indoor applications, the MT-ISX-3P-208D-15KVA-480D-N1 provides increased reliability and protection against critical equipment failures. This 15 KVA isolation is designed for distribution loads and potential seismic activity. 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-ISX-3P-208D-15KVA-480D-N1 transformer is a three phase transformer with a 15 KVA capacity rating. This isolation transformer is configured with an input voltage of 208V Delta 3-Phase AC on the primary side and an output voltage of 480V Delta 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 NEMA Type 1 enclosure makes the unit suitable for indoor applications and is designed to be floor mounted. Wall mount brackets or additional mounting accessories can be purchased separately. This 15 KVA distribution transformer features 220°C insulation with a 150°C temperature rise.
Benefits: The MT-ISX-3P-208D-15KVA-480D-N1 208V to 480V general purpose 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 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 floor mounting brackets make installation fast and easy and the offset outward facing floor installation holes allow for easy power tool access.
Safety: The MT-ISX-3P-208D-15KVA-480D-N1 is an isolation transformer which means that it provides operators with an increased level of protection against electric shock and injury. An isolation transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-ISX-3P-208D-15KVA-480D-N1 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: Converting 208V local grid power to 480V for on-site equipment. This 15 KVA power transformer is ideal for sensitive equipment such as CNC equipment, computers, medical devices, ovens, 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.

Wiring Diagram

WARNING: *DO NOT SERVICE WHILE ENERGIZED!*

MT-ISX-3P-208D-15KVA-480D-N1



PRIMARY VOLTS	
CONNECT LINES	VOLTAGE
X1, X2, X3	208
SECONDARY VOLTS	
CONNECT LINES TO H1, H2, H3	
TAP	VOLTAGE
1	504
2	492
3	480
4	468
5	456
6	444
7	432

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Dry Type Transformer Class AA
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A14
WARNING
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X1
H3
X2
X4
H1
X3
H2
SO: 233332 – 001
233332

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Material Safety Data Sheet

To Whom It May Concern,

Larson Electronics LLC MT-ATX, MT-BBT, MT-DIX, MT-DOE10, MT-DOE16, MT-ISX, and MT-PMD industrial line of transformers are considered "ARTICLES" under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS).

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

i. Which is formed to a specific shape or design during manufacture;
ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
iii. Which under normal conditions does not release more than very small quantities.

Regards,

Ray Smith
Larson Electronics, LLC.

Frequently Asked Questions (FAQ)