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MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1

(3) x 18 kVA 1PH Isolation Transformers, 460V Primary, 120V Secondary, NEMA 4X, Stainless Steel, Ventilated, 60 Hz, Marine Rated

Product ID: 337963



Image: MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1

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.

MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1 DOE Efficiency Combined Isolation Transformer

Transformer Type: Isolation Transformer
Transformer Configuration: Dry Type
Phase: Combined (3) Single Phase Units
Frequency: 60 Hz
Primary Voltage: 460V AC
Primary Connection: 1PH
Total Capacity: 54 KVA (3 x 1PH 18 kVA)
Secondary Voltage: 120V AC
Secondary Connection: 1PH
Test/Insulation Voltage: 3 kV AC rms
Construction Class: I (Earth Terminal)
Knockouts: Sides
FCAN (Above) Taps: 2
FCAN (Below) Taps: 4
Tap %: 2.5
Impedance: 2.5-6.5% typical
Efficiency @ 35% Load: ~98%
Winding Material: Aluminum
Primary Termination (Std): Terminal Block
Secondary Termination (Std): Terminal Block
Termination Access: Front Access Cover
RTD Sensors: Included
Mounting: Floor
Cooling: Air/Dry

Approvals/Ratings

NRTL listed for United States
NRTL listed for Canada
NEMA 4X Outdoor Stainless Steel Enclosure
Meets or Exceeds NEMA ST-20 Standards
Isolation Transformer
Distribution Type Transformer
Built to UL-50 Standards
Seismic Qualified for Earthquake Loads
RoHS
CE Certified
Marine Rated

Insulation: 180°C
Temperature Rise: 130°C
Ambient Temperature Rating: 45°C
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 4X Heavy Duty Ventilated - Stainless Steel
Finish: ANSI 61 Grey
Dimensions: 19.37"L x 24.39"W x 25.5"H
Weight: 325 lbs
Shipping Method: Pallet Freight - LTL
Shipping Weight: 390 lbs
Shipping Dimensions: 48"L x 40"W x 34"H

Special Orders - Special Requirements
Contact us for special requirements
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The MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1 Combined three single-phase 460V to 120V 54 KVA Isolation Transformers from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for indoor applications, the MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1 provides increased reliability and protection against critical equipment failures. This 54 KVA isolation unit 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 MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1 Isolation transformer is a three single-phase transformers with a 54 KVA capacity rating. This isolation transformer is configured with an input voltage of 460V 1-Phase AC on the primary side and an output voltage of 120V 1-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 4X enclosure makes the unit suitable for indoor/outdoor applications and is designed to be floor mounted. Wall mount brackets or additional mounting accessories can be purchased separately. This 54 KVA distribution transformer features 155°C insulation with a 100°C temperature rise.

Benefits: The MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1 460V to 120V general purpose transformer offers many benefits to the consumer. Precision cut aluminum transformer winding material helps to improve performance. The close tolerances used during manufacturing also eliminate burrs, which hinder performance. Each core is specially coated to prevent the ingress of moisture and is 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 turns into cost savings for owners in the form of lower energy bills and decreased cost of ownership. Integrated floor and wall mounting brackets make installation fast and easy and the offset outward facing floor installation holes allow for easy power tool access.

The MT-ISX series of isolation transformers from Larson Electronics meets or exceeds efficiency standards for United States and Canada. This results is overall lower cost of ownership throughout the life of the transformer.

Safety: The MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1 is an isolation transformer unit 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 MPD-MT-ISX-3.1P-460V-54KVA-120V-N4X-SS-M1 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 460V local grid power to 120V for on-site equipment. This 54 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.

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Frequently Asked Questions (FAQ)

There are no Faqs