Larson Electronics LLC
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MT-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-M1

15 kVA Transformer, 208V Delta 3PH Primary, 120V 1PH Secondary, 2-Wire, NEMA 4X, 304 Stainless Steel, Ventilated, 60 Hz – Unpainted

Product ID: 335465

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



Image: MT-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-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.

MT-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-M2 DOE Efficiency Isolation Transformer

Transformer Type: Isolation Transformer
Transformer Configuration: Dry Type
Phase: Three Phase Primary / Single Phase Secondary
Frequency: 60 Hz
Primary Voltage: 208V AC
Primary Connection: Delta
Capacity: 15 KVA
Secondary Voltage: 120V AC
Secondary Connection: Single Phase, 2-Wire
Knockouts: -
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 Lugs
Primary Overcurrent Protection (OCP): Included, CB
Secondary Termination (Std): Terminal Lugs

Approvals/Ratings

NRTL listed for United States
NRTL listed for Canada
NEMA 4X Indoor/Outdoor 304 Stainless 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
RoHS
CE Certified
UL Listed as Entire Panel (UL 508A)

Secondary Overcurrent Protection (OCP): Included, CB
Earth Bar: Included
Termination Access: Front Access Cover
Terminal Blocks: Ring type, with 20% spare terminals.
Cable Entry: Bottom (1 1-1/2" entry for the incoming client supply cable to the primary side of the transformer, 1 1-1/2" entry for the cable connecting the secondary side of the transformer to the AFU CB)
Mounting: Floor
Cooling: Air/Dry
Insulation: 220°C
Temperature Rise: 150°C
Ambient Temperature Range: -42°C to +45°C
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 4X Heavy Duty Ventilated, 304 Stainless Steel, Hinge Type, Unpainted
Finish: Unpainted
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 325"H

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MT-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-M1 208V to 120V, 15 KVA DOE Efficiency Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-M1 provides increased reliability and protection against critical equipment failures. This 15 KVA isolation transformer 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-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-M1 DOE Efficiency transformer is configured with a three phase primary and single phase secondary, offering 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 120V Single-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 both indoor and outdoor 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-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-M1 208V 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-DOE series of 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 MT-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-M1 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-DOE16-3P.1P-208D-15KVA-120V-N4X-304SS-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 208V three phase power to 120V single phase power for on-site equipment. This 15 KVA power transformer is ideal for sensitive equipment such as control systems, lighting loads, CNC equipment, computers, medical devices, or laboratory instruments requiring stable single-phase power.

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

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Warranty: 6 Months.

Export Control Classification Number (ECCN): EAR99

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