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MT-DOE16-1P-460D-50KVA-120.230V-N4X-SS

50 kVA 1PH DOE Efficiency Transformer, 460V Primary, 120V & 230V Secondary, NEMA 4X, Stainless Steel, Ventilated, 60 Hz

Product ID: 315371



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-DOE16-1P-460D-50KVA-120.230V-N4X-SS DOE Efficiency Isolation Transformer

Transformer Type: Isolation Transformer
Transformer Configuration: Dry Type
Phase: Single Phase
Frequency: 60 Hz
Primary Voltage: 460V AC
Primary Connection: Delta
Capacity: 50 KVA
Secondary Voltage: 120V & 230V AC
Secondary Connection: High Leg Delta w/ Center Tap
Knockouts: -
FCAN (Above) Taps: 4
FCAN (Below) Taps: 2
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 4X - Stainless Steel
Finish: ANSI 61 Grey
Dimensions: 22.37"L x 28.15"W x 29.41"H

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
RoHS
CE Certified

Special Orders - Special Requirements

Contact us for special requirements

Weight: 600 lbs
Shipping Method: Pallet Freight - LTL
Shipping Weight: 710 lbs
Shipping Dimensions: 48"L x 40"W x 600"H

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The MT-DOE16-1P-460D-50KVA-120.230V-N4X-SS 460 V 1 Phase Energy Efficient Isolation Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-DOE16-1P-460D-50KVA-120.230V-N4X-SS provides increased reliablity 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 50 kVA, the MT-DOE16-1P-460D-50KVA-120.230V-N4X-SS transformer is a single phase unit with a primary voltage of 460V. It also provides a secondary voltage of 120V & 230V. 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 4X enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. The unit also features 220Â°C insulation with a 150Â°C temperature rise and is rated IP14. These units are also available in NEMA 2, NEMA 4, and NEMA 3R configurations. Please email Larson Electronics at sales@larsonelectronics.com for more information.
Benefits: The MT-DOE16-1P-460D-50KVA-120.230V-N4X-SS 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-DOE16-1P-460D-50KVA-120.230V-N4X-SS is an isolation transformer which means that it provides operators with an increased level of protection against electric shock. An isolation transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-DOE16-1P-460D-50KVA-120.230V-N4X-SS 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)