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MT-DOE16-3P-500Y-225KVA-460Y-N3R

225 kVA Isolation Transformer - 500V Wye Primary - 460V Wye Secondary - NEMA 3R

Product ID: 320934

Image: MT-DOE16-3P-500Y-225KVA-460Y-N3R

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-500Y-225KVA-460Y-N3R Isolation Transformer

Phase: Three Phase
Frequency: 60Hz
kVA: 225
Primary Voltage: 500V
Primary Connection: Wye
Primary BIL: 10kV
Primary FCAN: 2 x 2.5%
Primary FCBN: 4 x 2.5%
Secondary Voltage: 460V
Secondary Connection: Wye
Secondary BIL: 10kV
Winding Material: Aluminum
Efficiency: DOE 2016 / NRCAN 2019 (Also Meets ON Reg. 404/12)
Insulation: 220°C
Temperature Rise: 150°C
Impedance (Std): 1.8% - 7.5%
Seismic Zone: Zone 4
Sound Level: Meets NEMA ST-20 Standards
Primary Termination: Front Accessible Terminals
Secondary Termination: Front Accessible Terminals
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated
Finish: ANSI 61 Grey, UL50 Finish
Dimensions: 41.00"H x 32.00"W x 29.50"D
Weight: 1440 lbs
Mounting: Floor Mount

Ratings

Listed for United States and Canada
ANN Cooling
IP24 Rated
Neutral on Secondary Side
Isolation Transformer

Special Orders - Special Requirements

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

The MT-DOE16-3P-500Y-225KVA-460Y-N3R 3 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-DOE16-3P-500Y-225KVA-460Y-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 225kVA, the MT-DOE16-3P-500Y-225KVA-460Y-N3R isolation transformer is a three phase unit with a primary voltage of 500V Wye. It also provides a secondary voltage of 460V Wye. Featuring robust construction, this unit`s cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology. The MT-DOE16-3P-500Y-225KVA-460Y-N3R has a neutral on the secondary side.

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 both indoor and outdoor applications and it can be floor mounted. The unit also features 220°C insulation with a 150°C temperature rise and is rated IP24.

Benefits: The MT-DOE16-3P-500Y-225KVA-460Y-N3R isolation 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 isolation 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.

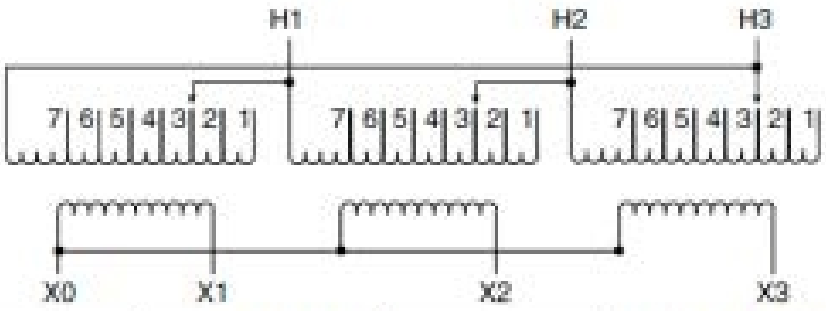
Safety: The MT-DOE16-3P-500Y-225KVA-460Y-N3R is an isolation transformer which means that it provides operators with an increased level of protection against electric shock. An isolation transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-DOE16-3P-500Y-225KVA-460Y-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.

Wiring Diagram

WARNING: *DO NOT SERVICE WHILE ENERGIZED!* ***Tip: Use a voltmeter to check voltage!***



Primary Volts	Connect Primary Lines To	Inter-Connect	Connect Secondary LinesTo
504	H1, H2, H3	1	
492	H1, H2, H3	2	
480	H1, H2, H3	3	
468	H1, H2, H3	4	
456	H1, H2, H3	5	
444	H1, H2, H3	6	
432	H1, H2, H3	7	
Secondary Volts			
460			X1, X2, X3
277 1 phase			X1 to X0 X2 to X0 X3 to X0

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Frequently Asked Questions (FAQ)

There are no Faqs