Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES

45 kVA Isolation Transformer - 480V Delta Primary - 208Y/120 Wye-N Secondary - NEMA 3R - Copper - W/ Electrostatic Shield

Product ID: 321990

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

Image: MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES

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-480D-45KVA-208Y.120-N3R-CU-ES Isolation Transformer

Phase: Three Phase
Frequency: 60 Hz
Capacity: 45 kVA
Primary Voltage: 480V Delta
Taps: +2, -4 x 2.5%
Secondary Voltage: 208Y/120 Wye-N
Winding Material: Copper
Insulation: 220°C
Temperature Rise: 150°C
Impedance (Std): 4.2%
Regulation @ 100% PF: 3.1%
Regulation @ 80% PF: 4.2%
No Load Losses (W): 86W
Full Load Losses (W): 1389W
Seismic: Yes
Sound Level: 45 dBA, Meets NEMA ST-20 Standards
Primary Termination: -
Secondary Termination: -
Electrostatic Shield: Included
Weather Shield: Included

Ratings

NRTL Listed for United States and Canada
ANN Cooling
NEMA 3R Rated
UL Listed
Isolation Transformer

Wall Bracket: Included
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated
Finish: ANSI 61 Grey Finish
Dimensions: 26"-W x 24"-D x 37"-H
Weight: 520 lbs
Mounting: Floor Mount

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

The MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES from Larson Electronics is a 45 kVA 3 Phase Energy Efficient Isolation Transformer that is powerful, reliable, and designed with the environment in mind. Suitable for indoor and outdoor applications, the MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES 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 45 kVA, the MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES isolation transformer is a three phase unit with a primary voltage of 480V Delta. It also provides a secondary voltage of 208Y/120 Wye-N. 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 3R enclosure makes the unit suitable for indoor and outdoor applications and it can be floor mounted. The unit also features 220°C insulation with a 150°C temperature rise.

Benefits: The MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES isolation transformer offers many benefits to the consumer. Precision cut copper 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 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 turns into cost savings for owners in the form of lower energy bills and decreased cost of ownership. Integrated wall mounting brackets make installation fast and easy and the offset outward facing installation holes allow for easy power tool access.

Safety: The MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES 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-480D-45KVA-208Y.120-N3R-CU-ES 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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)

There are no Faqs

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Image: MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Image: MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Image: MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Image: MT-DOE16-3P-480D-45KVA-208Y.120-N3R-CU-ES

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/321990.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/321990.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/321990.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/321990.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/321990.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)