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-MV-3P-4160Y.2400-45KVA-480D-N3R-CU

45 kVA Medium Voltage Transformer - 4160Y/2400 Grounded Wye Primary - 480V Delta Secondary - NEMA 3R - Copper

Product ID: 314735

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-MV-3P-4160Y.2400-45KVA-480D-N3R-CU Medium Voltage Transformer

Transformer Type: Medium Voltage, Dry Type
Phase: Three Phase
Frequency: 60 Hz
Capacity: 45 kVA
Primary Voltage: 4160Y/2400 Grounded Wye
Primary BIL Class: 75 kV
Taps: -
Secondary Voltage: 480 V Delta
Secondary BIL Class: 30 kV
Winding Material: Copper
Insulation: Class H (180°C)
Efficiency: 98.10%
Temperature Rise: 150°C
Cooling Class: ANN
Impedance: 2.5-6.5%
Primary Connection Type: Cable, Accommodate with (1) #6 AWG Cable/Ph
Secondary Connection Type: Cable, Accommodate with (1) #6 AWG Cable/Ph
Winding Material: Copper
Seismic: Yes
Sound Level: < 60 dBA, Meets NEMA ST-20 Standards
Operating Temperature Range: -38°C to +35°C
Humidity: 60-90%
Altitude: < 3,300ft Above Sea Level

Ratings

Listed for United States and Canada
ANN Cooling
NEMA 3R Rated
Medium Voltage Transformer
Meets or Exceeds U.S. DOE 10 CFR Part 431
C22.2 No. 47
UL 1562

Cable Entry: Side Entry
Enclosure Material: NEMA Type 3R Heavy Duty - Ventilated
Finish: ANSI 61 Grey, UL50 Finish
Dimensions: 34.80"H x 26.30"W x 28.30"D
Weight: 500 lbs
Mounting: Floor Mount

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The MT-DOE16-MV-3P-4160Y.2400-45KVA-480D-N3R-CU 45 kVA 3 Phase Energy Efficient Medium Voltage Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for indoor or outdoor applications, the MT-DOE16-MV-3P-4160Y.2400-45KVA-480D-N3R-CU 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-MV-3P-4160Y.2400-45KVA-480D-N3R-CU medium voltage transformer is a three phase unit with a primary voltage of 4160Y/2400 Grounded Wye. It also provides a secondary voltage of 480 V Delta. 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 or outdoor applications and it can be floor mounted. The unit also features Class H 180°C insulation with a 150°C temperature rise.

Benefits: The MT-DOE16-MV-3P-4160Y.2400-45KVA-480D-N3R-CU medium voltage 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 distribution 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 mounting brackets make installation fast and easy and the offset outward facing installation holes allow for easy power tool access.

Safety: The MT-DOE16-MV-3P-4160Y.2400-45KVA-480D-N3R-CU is a distribution transformer which means that it provides operators with an increased level of protection against electric shock. A distribution transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-DOE16-MV-3P-4160Y.2400-45KVA-480D-N3R-CU 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.

Frequently Asked Questions (FAQ)