

400 kVA Medium Voltage Transformer - 13800V Delta Primary - 4160Y/2402 Wye-N Secondary - NEMA 3R

MT-DOE16-MV-3P-13800D-400KVA-4160Y.2402-N3R



MT-DOE16-MV-3P-13800D-400KVA-4160Y.2402-N3R Medium Voltage Transformer

Transformer Type: Medium Voltage

Phase: Three Phase

Vector Group: DYN11

Frequency: 60 Hz

kVA: 400

Primary Voltage: 13800 V Delta

Primary BIL Class: 95 kV

Taps: 2 x 2.5% FCAN; 2 x 2.5% FCBN

Secondary Voltage: 4160Y/2402 V Wye-N

Secondary BIL Class: 10 kV

Winding Material: Aluminum

Insulation: Class H (180°C)

Efficiency: Meets or Exceeds U.S. DOE 10 CFR Part 431

Temperature Rise: 150°C

Impedance at 170°C: 5.45

Seismic: Yes

Sound Level: Meets NEMA ST-20 Standards

Primary Termination: -

Secondary Termination: -

Enclosure Material: NEMA Type 3R Heavy Duty Ventilated

Finish: ANSI 61 Grey, NRTL Certified to UL50 Finish

Dimensions: 54.00"H x 66.00"W x 40.00"D

Weight: 2940 lb

Mounting: Floor Mount

Ratings

Listed for United States and Canada

ANN Cooling

NRTL Certified to UL 1562

IP24 Rated

Medium Voltage Transformer

Meets or Exceeds U.S. DOE 10 CFR Part 431

C22.2 No. 47

Special Orders - Requirements

Contact us for special requirements

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The MT-DOE16-MV-3P-13800D-400KVA-4160Y.2402-N3R 13800 V Delta 3 Phase DYN11 Energy Efficient Medium Voltage Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for indoor applications, the MT-DOE16-MV-3P-13800D-400KVA-4160Y.2402-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 400 kVA, the MT-DOE16-MV-3P-13800D-400KVA-4160Y.2402-N3R medium voltage transformer is a three phase unit with a primary voltage of 13800 V Delta. It also provides a secondary

voltage of 4160Y/2402 V 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 applications and it can be floor mounted. The unit also features Class H 180°C insulation with a 150°C temperature rise and is rated IP24.

Benefits: The MT-DOE16-MV-3P-13800D-400KVA-4160Y.2402-N3R medium voltage 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 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 turn 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-13800D-400KVA-4160Y.2402-N3R 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-13800D-400KVA-4160Y.2402-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.

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