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MT-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1

1000 kVA Medium Voltage Transformer - 4160V Delta Primary - 480Y/277 Wye-N & 208Y/120 Wye-N Secondary - NEMA 3R - Cart Mount

Product ID: 242923

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



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-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1 Medium Voltage Transformer

Transformer Type: Medium Voltage
Phase: Three Phase
Frequency: 60 Hz
kVA: 1000
Primary Voltage: 4160 V Delta
Primary BIL Class: 60 kV
Primary Disconnect: 200 A, 5000 V Rated Non Fused Disconnect
Taps: -
Secondary Voltage: 600 kVA 480Y/277 V Wye-N & 400 kVA 208Y/120 V Wye-N
Secondary BIL Class: 10 kV
Secondary Disconnects: (1) 800 A Non Fused [480Y/277 V]; (1) 1200 A Non Fused [208Y/120]
Winding Material: Aluminum
Insulation: 220°C
Temperature Rise: 150°C
Ambient Temperature Rating: -40°C to +50°C
Efficiency: 98.65%
Impedance: -
Seismic: Yes
Sound Level: Meets NEMA ST-20 Standards
Primary Termination: -
Secondary Termination: -

Ratings

NRTL Listed for United States and Canada
ANN Cooling
IP14 Rated
Medium Voltage Transformer
Meets or Exceeds U.S. DOE 10 CFR Part 431
NRTL Certified to C22.2 No. 47
NRTL Certified to UL 1562

Special Orders - Special Requirements

Enclosure Material: NEMA Type 3R Heavy Duty Ventilated
Finish: ANSI 61 Grey Finish
Mounting: Floor Mount
Dimensions: 84.00"H x 84.00"W x 48.00"D
Weight: 8100 lb

Contact us for special requirements
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The MT-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1 4160 V Delta 3 Phase Energy Efficient Medium Voltage Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for indoor applications, the MT-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1 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. The MT-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1 is mounted on a wheeled skid mounting unit.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

Transformer Features: With a transformer rating of 1000 kVA, the MT-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1 medium voltage transformer is a three phase unit with a primary voltage of 4160 V Delta. It also provides secondary voltages of 600 kVA 480Y/277 V Wye-N and 400 kVA 208Y/120 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 transformer also features a 200 A, 5000 V rated non fused disconnect on the primary side that shuts off the entire unit if tripped along with an 800 A non fused disconnect on the secondary side for the 600 kVA 480Y/277 V output and a 1200 A non fused disconnect for the 400 kVA 208Y/120 output.

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 is skid/cart mounted. The unit also features 220°C insulation with a 150°C temperature rise and is rated IP14.

Benefits: The MT-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1 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-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1 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-MCF-DF-MV-3P-4160D-1000KVA-480Y.277-208Y.120-M1 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)

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Product ID: 242923

Harmonized System (HS) Code: 85043300

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**