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-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R

150 kVA 3PH DOE Portable Transformer, 480V Delta Primary, 208Y/120 Wye-N Secondary, N3R, Ventilated, 60 Hz, 100' 1/0-4C Type-W, Camlocks

Product ID: 271286

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-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R DOE Efficiency Portable Isolation Transformer

Transformer Type: Isolation Transformer
Transformer Configuration: Dry Type
Phase: Three Phase
Frequency: 60 Hz
Primary Voltage: 480V AC
Primary Connection: Delta
Capacity: 150 KVA
Secondary Voltage: 208Y/120V AC
Secondary Connection: Wye-Neutral
Secondary Receptacles: (1) Set Cam Locks [Black, Red, Blue, Green, White]
Knockouts: -
FCAN (Above) Taps: 2
FCAN (Below) Taps: 4
Tap %: 2.5
Impedance: 2.5-6.5% typical
Efficiency @ 35% Load: ~98%
Winding Material: Aluminum
Wiring: 100' 1/0-4C Type-W Primary Cable w/ 200 Amp Fused Disconnect & Blunt Cut End on Supply Side
Termination Access: Front Access Cover
Mounting: Floor
Cooling: Air/Dry
Insulation: 220°C
Temperature Rise: 150°C

Approvals/Ratings

NRTL Listed for United States
NRTL Listed for Canada
NEMA 3R Indoor/Outdoor Steel Enclosure
Meets or Exceeds NEMA ST-20 Standards
DOE Efficiency Isolation Transformer
Distribution Type Transformer
Built to UL-50 Standards
Seismic Qualified for Earthquake Loads
RoHS
CE Certified

Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated - Steel
Finish: ANSI 61 Grey
Form Factor: Square Tube Frame, Skid Pockets, Top Pick Eye & 8" Locking Casters
Transformer Dimensions: 29.87"L x 32.9"W x 41.52"H
Overall Dimensions: 34" x 44" x 58"
Weight: 1070 lb
Shipping Method: Pallet Freight - LTL
Shipping Weight: 1180 lb
Shipping Dimensions: 48"-L x 60"-W x 60"-H

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-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R from Larson Electronics is a Three Phase 480V to 208Y/120 150 KVA DOE Efficiency Portable Transformer that is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R provides increased reliability and protection against critical equipment failures. This 150 KVA isolation is designed for distribution loads and potential seismic activity. 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-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R is mounted on a carbon steel, cube-style cart and includes 100` of 1/0-4C Type-W cord, a 200 amp fused disconnect, and five secondary camlocks.

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

Transformer Features: The MT-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R DOE Efficiency transformer is a three phase transformer with a 150 KVA capacity rating. This isolation transformer is configured with an input voltage of 480V Delta 3-Phase AC on the primary side and an output voltage of 208Y/120 Wye-Neutral 3-Phase AC on the secondary side. Operators can connect 208Y/120 V Wye-N line-outs via a set of five colored camlocks. The camlocks are mounted to the housing of the transformer and are found in the following colors: black, red, blue, green, and white. 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 both indoor and outdoor applications and is designed to be floor mounted. Wall mount brackets or additional mounting accessories can be purchased separately. This 150 KVA distribution transformer features 220°C insulation with a 150°C temperature rise.

Benefits: The MT-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R 480V to 208Y/120 general purpose 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 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 and wall mounting brackets make installation fast and easy and the offset outward facing floor installation holes allow for easy power tool access.

The MT-DOE series of transformers from Larson Electronics meet or exceed efficiency standards for United States and Canada. This results is overall lower cost of ownership throughout the life of the transformer.

Wiring: The MT-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R is equipped

with a 100 amp fused disconnect and 100` of 1/0-4C Type-W cord for making input connections. The input cable is terminated in a blunt cut end on the supply side.

Safety: The MT-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R is an isolation transformer which means that it provides operators with an increased level of protection against electric shock and injury. An isolation transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-MPD-DSW-100C-3P-480D-150KVA-208Y.120-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.

Cart: Unlike many portable transformers made of plastic and utilizing thin gauge, low grade metals in their construction, this unit is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The transformer and load assembly is mounted on a 3/16" thick carbon steel mounting platform and the load center/distribution assembly is mounted to the standard 2" x 2" x 1/8" square carbon steel tubing frame, resulting in an extremely stable, durable and well protected power distribution platform. This model is equipped with forklift skid pockets, locking casters, and a top located lifting eyelet which allows easy lifting with cable or chain hooks.

Applications: Converting 480V local grid power to 208Y/120 for on-site equipment. This 150 KVA power transformer is ideal for sensitive equipment such as CNC equipment, computers, medical devices, ovens, or laboratory instruments. 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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HIGH VOLTAGE


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MT-MPD-DSW-100C-3P-480D-150KVA-208Y.120-N3R

Product ID: 271286

Warranty: 6 Months

Harmonized System (HS) Code: 85043300

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ASTM Certificate 1**
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **CE Certificate**
- **Certificate 1, Misc**
- **FCC Certificate (Federal Communications Commission, USA)**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**