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-MS-SS-480D-30KVA-208Y.120-N4X

30 kVA Milspec Distribution Transformer - 480V Delta Primary - 208Y/120 Wye-N Secondary - NEMA 4X - Stainless Steel - Milspec 810G Compliant

Product ID: 235898

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-MS-SS-480D-30KVA-208Y.120-N4X Milspec Distribution Transformer

Transformer Type: Distribution
Phase: Three Phase
Frequency: 60 Hz
Vector Group: DY11
kVA: 30
Primary Voltage: 480 V Delta
Taps: TBD
Secondary Voltage: 208Y/120 V Wye-N
Winding Material: Aluminum
Insulation: 220°C
Efficiency: DOE 2016 / NRCAN 2019 (Also Meets ON Reg. 404/12)
Temperature Rise: 150°C
Impedance (Std): -
Seismic: Yes
Sound Level: Meets NEMA ST-20 Standards
Operating Temperature: External Ambient of -20°F to +120°F (-28.89°C to +48.89°C)
Storage Temperature (Inside Storage Facility, Long Term): -20°F to +160°F (-28.89°C to 71.11°C)
Humidity: 0 - 100%
Altitude: 0 to 9,000' Mean Sea Level (MSL)
Wind Speed: Up To 50 MPH (Relative to Prime Mover Speed)
Vibration: MIL-STD-810G, Change 1, Method 514.7, Annex C, Composite Wheeled Vehicle (CWV) [AKA Trailer/Vehicle Mounted]

Ratings

Listed for United States and Canada
ANN Cooling
IP24 Rated
Milspec 810G Compliant
Milspec Test Reports Available at Extra Cost
Distribution Transformer

Shock: MIL-STD-810G, Change 1, Method 516.7, Procedures I (Functional) and V (Crash Hazard), Ground Equipment
Sand & Dust: MIL-STD-810G, Change 1, Method 510.6, Procedure I (Blowing Dust) and Procedure II (Blowing Sand)
Icing/Freezing Rain: MIL-STD-810G, Change 1, Method 521.4
Primary Termination: -
Secondary Termination: -
Enclosure Material: NEMA 4X Heavy Duty Ventilated - Stainless Steel
Finish: Powder Coated - Desert Tan, Color Code 33446 (Tan 686A) or Green, Color Code 34094 (Green 383)
Dimensions: 32.00"H x 27.00"W x 21.00"D
Weight: 585 lb
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-MS-SS-480D-30KVA-208Y.120-N4X 480 V Delta 3 Phase DY11 Energy Efficient Milspec Distribution Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-MS-SS-480D-30KVA-208Y.120-N4X 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 30 kVA, the MT-MS-SS-480D-30KVA-208Y.120-N4X distribution transformer is a three phase unit with a primary voltage of 480 V Delta. It also provides a secondary voltage of 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 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 4X stainless steel enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. The unit also features 220°C insulation with a 150°C temperature rise and is rated IP24. The stainless steel housing provides protection from the elements (such as rain, freezing rain, snow, and ice buildup) as well as shock and vibration resistance.

Benefits: The MT-MS-SS-480D-30KVA-208Y.120-N4X distribution 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-MS-SS-480D-30KVA-208Y.120-N4X 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-MS-SS-480D-30KVA-208Y.120-N4X achieves these safety features by separating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

Milspec Rated: The MT-MS-SS-480D-30KVA-208Y.120-N4X transformer is compliant with Milspec 810G. Milspec test reports can be provided at an additional cost. This transformer is also equipped with shock isolator mounts to further reduce vibrations.

Colors: The MT-MS-SS-480D-30KVA-208Y.120-N4X transformers is available in several color options. All colors are powder coat finishes. The color options are as

follows: Desert tan, color code 33446 (tan 686A) or Green, color code 34094 (green 383).
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)





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-MS-SS-480D-30KVA-208Y.120-N4X

Product ID: 235898

Harmonized System (HS) Code: 85043300

Export Control Classification Number (ECCN): EAR99

Options:

MT-MS-SS-480D-30KVA-208Y.120-N4X-Color

Example: MT-MS-SS-480D-30KVA-208Y.120-N4X-DT.686A

Color	
DESERT TAN (686A)	-DT.686A
GREEN (383)	-GRN.383

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**