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MPD-CW13-TB-DT150YE-M1

150 kVA 3PH DOE Portable Transformer, 208V Delta Primary w/ 500A Disconnect, 480Y/277 Wye-N Secondary w/ 225A Disconnect, N3R, Ventilated, 60 Hz

Product ID: 281504

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.

MPD-CW13-TB-DT150YE-M1 - Portable Transformer w/ Open Frame Cube

Line-in Cord: *Not Included - Customer to Provide*
Line-in Cord Cap: *Not Included - Customer to Provide*
Primary Voltage (V): 208 V AC Delta
Primary Phase (PH): 3-Phase (3PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Disconnect: 500-Amp Fused Disconnect
Primary Protection: Time Delay Fuses
Secondary Voltage (V): 3-phase 480Y/277 V AC Wye
Secondary Phase (PH): 3-Phase (3PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Disconnect: 225-Amp Fused Disconnect
Secondary Protection: Time Delay Fuses
Line-Out: *Not Included - Customer to Provide*
Transformer Enclosure Material: NEMA Type 3R Heavy Duty Ventilated - Steel
Transformer Enclosure Finish: ANSI 61 Grey
Form Factor: Square Tube Frame, Skid Pockets, Top Pick Eye & 8" Locking Casters
Frame Material: Steel
Frame Finish: High-Strength TGIC Polyester Powder Coated Red
Lifting Eyelet: (4) Top Located
Skid Pockets: (2) Bottom Located
Transformer Dimensions: 29.87"L x 32.9"W x 41.52"H
Transformer Weight: 970 lb
Overall Dimensions: 34" x 44" x 58"
Overall Weight: 1450 lb

Ratings

NRTL Listed for United States & 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

Powder Coat Finish Standards:

Complies with ASTM D-523
Complies with ASTM D-3359
Complies with ASTM D-522
Complies with ASTM D-3363
Complies with ASTM D-2794

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Made in Texas

The MPD-CW13-TB-DT150YE-M1 from Larson Electronics is a Portable Transformer with Open Frame Cube that converts three-phase 208 V AC Delta electrical current to three-phase 480Y/277 V AC Wye. This fully enclosed power distribution unit provides operators the ability to safely tap into and distribute 208 V AC Delta power from a variety of sources including generators and direct grid power.

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

The MPD-CW13-TB-DT150YE-M1 temporary power distribution system gives operators the ability to power their 277 volt equipment from a single system.

Operation:

- Primary Voltage: 3-phase 208 V AC Delta
- Primary Disconnect: 500-Amp Fused
- Primary Protection: Time Delay Fuses
- Secondary Voltage: 3-phase 480Y/277V AC
- Secondary Disconnect: 225-Amp Fused
- Secondary Protection: Time Delay Fuses

*See specification table at the top of the page for more information about the power distribution system.

Benefits: The MPD-CW13-TB-DT150YE-M1 208 V to 480Y/277 V 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.

Safety: The MPD-CW13-TB-DT150YE-M1 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 MPD-CW13-TB-DT150YE-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.

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.

Certification: All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. All equipment is NEMA 4 rated for indoor and outdoor use and provide a degree of protection against dirt, water, sleet, snow, and ice and to be undamaged by the external formation of ice on the enclosure.

Grounding: Transformer is grounded to the frame and we provide a grounding lug on the frame for the earth ground.

~Please check all motor loads for dual rated motors that will work 208 or 240.~
Applications: This power distribution system is ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. These power distribution systems are popularly used in applications where external power sources are often necessary. We also offer class rated transformers for use within explosion proof and hazardous location environments.
Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, 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)






SIEMENS
ON
OFF
CAUTION
HIGH VOLTAGE


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MPD-CW13-TB-DT150YE-M1

Product ID: 281504

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- ANSI Certificate 1
- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Catalog Page - Product Series
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 5, Misc
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map