

MPD-480.3P-75KVA-208Y.120-5X100A

75KVA Portable Temporary Distribution Stepdown Transformer - 480V to 240/208-120V - (5) 10A 4100R12W

Product ID: 144789

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.

This unit is Made In USA - Manufactured in Texas

MPD-480.3P-75KVA-208Y.120-5X100A Power Distribution System

Line-In Cord: 20' 2/4 Type-W
Primary Voltage: 480V 3P
Secondary Panel: 208Y/120 3P N3R 225A
Primary Disconnect Fuses: (3) 90 Amp Time Delay Fuses
Transformer: 75KVA 480V-3P to 240/208-120V-3P N3R
Secondary Voltage: 208/120V 3P
Secondary Panel Breakers: (1) 225 Amp Main Breaker; (5) 1000 Amp Secondary Breakers
Secondary Panel Outlets: (5) Watertight IEC 60309 4100R12W Pin and Sleeve Receptacles w/ Weatherproof Covers
Frame Material: Carbon Steel / Stainless Steel Hardware
Form Factor: Square tube frame w/ skid pockets, top pick eye & locking 8" casters
Dimensions: 34"-L X 40"-W X 58"-H
Weight: 600lbs
Features:
Max Primary OCP: 90A @ 480V 3P
Max Secondary OCP: 225A @ 208V 3P

Ratings

UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor or Outdoor Use
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

Larson Electronics manufacture 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

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

specifics for this configuration are listed in the specification table and one-line diagram.

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The **MPD-480.3P-75KVA-208Y.120-5X100A** portable power distribution system is designed to enable operators to connect to 480V three phase primary voltage and step it down to 208Y/120V three phase to operate lights and equipment. Operators can connect to 480V power sources using the 20' of included 2/4 Type-W cord on the input side. On the secondary side, operators can connect up to five 208V devices via five 100-amp pin and sleeve receptacles. This versatile system enables operators to make the most of a single 480V 3-phase connection.

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

Operation: The included 20' 2/4 Type-W line-in cord brings 480V three phase power to the NEMA 3R 100-amp primary disconnect. This primary disconnect contains three 90-amp time delay fuse breakers protecting the transformer. The NEMA 3R transformer steps down 480V three phase power to 208Y/120 three phase and passes the current to the secondary side. The secondary side of the transformer features five watertight IEC 60309 4100R12W 100-amp pin and sleeve receptacles that allow operators to connect five 208V devices. All receptacles are equipped with waterproof covers.

Protective Construction: Unlike many portable power distribution boxes 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 polyurethane casters, and a top located lifting eyelet which allows easy lifting with cable or chain hooks. This can be replaced for an additional cost with stainless steel, hot dip galvanized steel, or aluminum depending on the customer's needs. Larger units are available upon request and can be equipped with skids or trailer mounted.

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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)









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Product ID: 144789

Harmonized System (HS) Code: 8504.21.0040

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [ANSI Certificate 1](#)
- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [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 \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
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