75 KVA Portable Power Distribution Transformer - 480V to 208Y/120V 3PH - (3) 100A Secondary Breakers

Part #: MPD-480V.3PH-75KVA-208Y.120V-3X100A.2P

Made in Texas

The Larson Electronics MPD-480V.3PH-75KVA-208Y.120V-3X100A.2P power distribution substation converts three phase 480V AC electrical current into three phase 208Y/120V AC. This unit provides operators the ability to safely tap into and distribute 480V AC 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*

Portable Power Distribution Purpose and Use: The MPD-480V.3PH-75KVA-208Y.120V-3X100A.2P portable power distribution system gives operators the ability to power their 208Y/120V equipment from a single system. On the primary side, operators connect 480 volt using a customer provided cord. On the secondary side, circuit breakers are accessible for protecting customer-provided equipment.

Operation: A customer-provided cord brings 480V three phase power to the NEMA 3R 100-amp 480V three phase primary disconnect, which contains three 100-amp time delay fuses, and passes 480V three phase through to the transformer. The NEMA 3R 75 KVA transformer converts 480V three phase power to 208Y/120V three phase 60 Hz and passes the current to the secondary side. The secondary side of the transformer contains a NEMA 3R 225-amp 208Y/120V three phase main lug only panel, which is equipped with three 100-amp 2-pole 250V breakers.

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 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.

Certification: Larson Electronics is a UL 1640 panel shop and certified to build portable power distribution systems. All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. All equipment is NEMA 3R rated for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 4 and NEMA 4X equipment can be equipped upon request.

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.

Specifications / Additional Information

MPD-480V.3PH-75KVA-208Y.120V-3X100A.2P Power Distribution	Ratings
Line-In Cord: Customer Provided	**Max OCP Primary:** 100A @ 480V
Line-In Cord Cap: Customer Provided	**Max OCP Secondary:** 208.2A @ 208V
Primary Voltage: 480V AC, 3PH	UL 1640 Portable Power-Distribution Equipment
Primary Disconnect: 100A 480V 3PH Fused @ 100A N3R	NEMA 3R Indoor / Outdoor Use
Primary Panel: -	Made in the USA
Primary FCAN: 2 x 2.5%	
Primary FCBN: 4 x 2.5%	
Primary Breakers: -	
Primary Receptacles: -	
Primary Protection: Disconnect, Time Delay Fuses	

Transformer: 75 KVA 480V to 208Y/120V 3PH 60Hz N3R

Secondary Voltage: 208Y/120V AC, 3PH

Secondary Disconnect: -

Secondary Panel: 225A 208Y/120V 3PH MLO N3R

Secondary Breakers: (3) 100A 2P [250V]

Secondary Receptacles: -

Secondary Protection: Circuit Breakers

Form Factor: Square tube frame, skid pockets, top pick eye & 8" locking casters

Frame Materials: Powder coated steel frame

Dimensions: 80"L x 44"W x 73"H

Weight: 2000 pounds

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

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Special Orders- Requirements

Contact us for special requirements

Phone: 1-214-616-6180

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

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

This product does not qualify for free shipping.

Part #: MPD-480V.3PH-75KVA-208Y.120V-3X100A.2P (223940)

Links (Click on the below items to view):

- Manual
- WiringDiagram
- Hi-Res Image 1- 75 KVA Power Distribution Panel
- Hi-Res Image 2- 75 KVA Power Distribution Panel
- Hi-Res Image 3- 75 KVA Power Distribution Panel
- Hi-Res Image 4- 75 KVA Power Distribution Panel
- Hi-Res Image 5- 75 KVA Power Distribution Panel
- Hi-Res Image 6- 75 KVA Power Distribution Panel
- Hi-Res Image 7- 75 KVA Power Distribution Panel
- Hi-Res Image 8- 75 KVA Power Distribution Panel
- Hi-Res Image 9- 75 KVA Power Distribution Panel
- Hi-Res Image 10- 75 KVA Power Distribution Panel