Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
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## RNT-MGS-4X480.50-1X480.125-75KVA-12X120.20-75C

# *RENT* 75KVA Power Distribution System - 480V to 208Y/120V 3PH - (4) CS8169 (12) 520R GFCI Outlets

**Product ID: 304136**

**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.**

**RNT-MGS-4X480.50-1X480.125-75KVA-12X120.20-75C Power Distribution System**

**Line-In Cord: 75` 350AWG Type W Cord**
**Primary Voltage: 480V AC 3PH**
**Primary Panel: 400A 480V 3PH MCB Panel N3R**
**Primary Breakers: (4) 50A [480V]**
**Primary Receptacles: (4) 50A Twist-lock, California-style CS8169 [480V]**
**Primary Protection: Weatherproof Covers**
**Transformer: 75 KVA 480V to 208Y/120V 3PH N3R**
**Transformer Breaker: (1) 250A**
**Secondary Voltage: 208Y/120V 3PH**
**Secondary Panel: 225A 208Y/120V 3PH MLO Panel N3R**
**Secondary Breakers: (12) 20A GFCI [120V]**
**Secondary Outlets: (12) 20A 520R GFCI [120V]**
**Secondary Protection: GFCI (Breakers/Outlets), Weatherproof Covers**
**Form Factor: Square tube frame w/ skid pockets, top pick eye & locking 8” locking casters**
**Finish: Powdered Coated - Blue**
**Dimensions: 34”-L X 40”-W X 58”-H**
**Weight: 600 lbs**
**Features:**
**Primary OCP: 400A @ 480V**
**Secondary OCP: 225A @ 208Y**

Larson Electronics manufacture a wide variety of custom power distribution systems. The

**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

*All grounding shall comply with state and local codes and

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.

meet the minimum requirements of the National Electronic Code section 250*

**This unit is for rentals**

**This unit is Made In USA - Manufactured in Texas**

**The Larson Electronics RNT-MGS-4X480.50-1X480.125-75KVA-12X120.20-75C heavy duty power transformer substation converts 480V AC three-phase electrical current to three-phase 208Y/120V. This unit provides operators the ability to safely tap into and distribute 480V 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 Larson Electronics RNT-MGS-4X480.50-1X480.125-75KVA-12X120.20-75C transformer provides a safe and effective way for operators in industrial settings to tap into and utilize power sources independently of the work area. On the primary side, operators bring three-phase 480V line-in power using a 75` 350AWG Type W line-in cord. Operators are also provided access to four CS8169 twist-lock California-style outlets for 480V equipment on the primary side. On the secondary side, operators can access twelve 520R GFCI receptacles for 120V equipment. All receptacles are protected with weatherproof covers.

**Operation:** A 75` 350AWG Type W line-in cord brings 480V three-phase power to the NEMA 3R 400-amp, 480V three-phase main circuit breaker panel, which contains four 50-amp, 480V breakers, protecting four 50-amp twist-lock California-style CS8169 480V receptacles, and passes power through to the transformer. Protected by a 250-amp breaker, the NEMA 3R 75 KVA transformer converts 480V to 208Y/120V three phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 225-amp, 208Y/120V three-phase phase main lug only panel. This secondary panel contains twelve 20-amp, 120V GFCI breakers protecting twelve 20-amp GFCI 520R, 120V receptacles.

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**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.



Click Photo to Enlarge




Click Photo to Enlarge



Click Photo to Enlarge

**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)



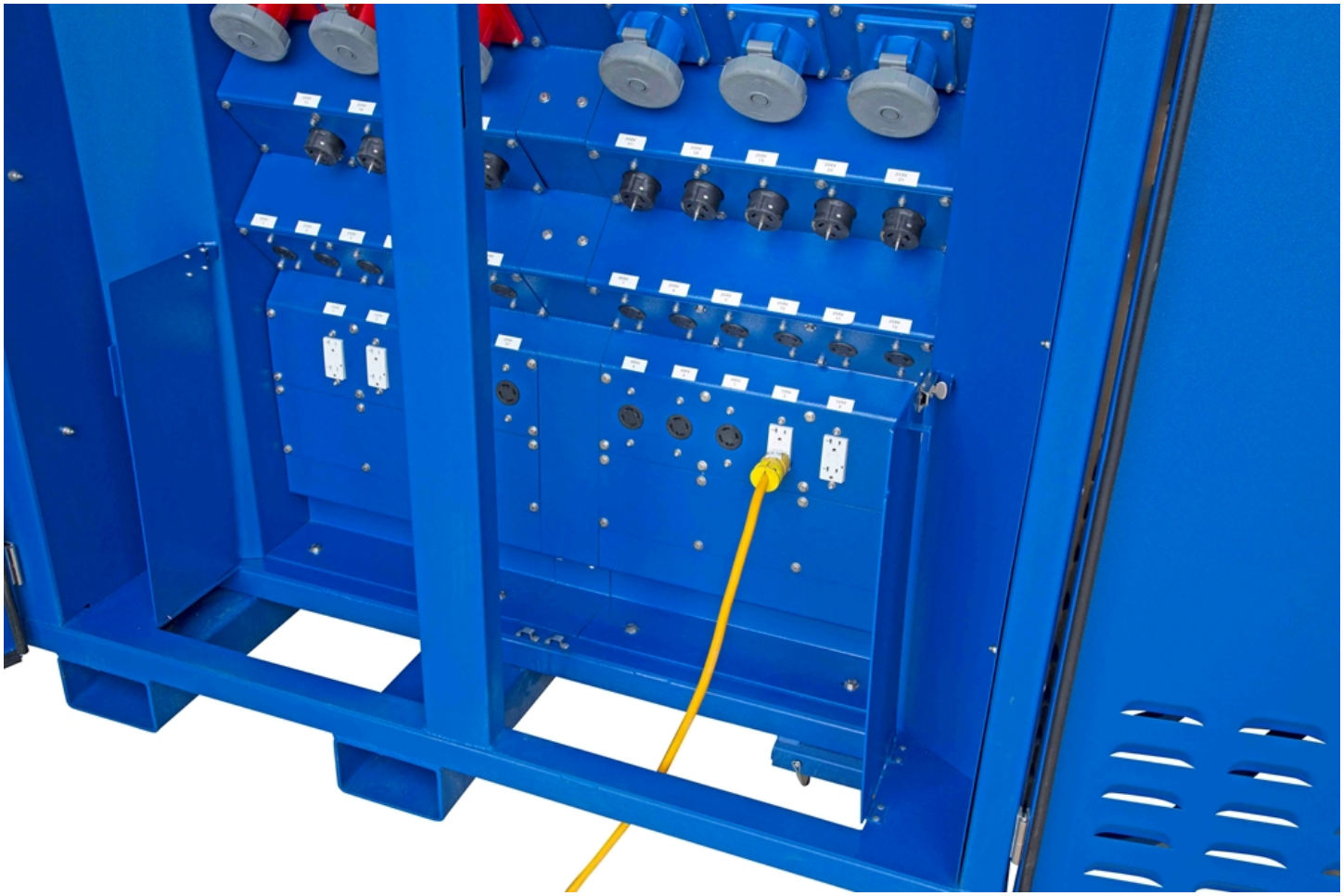
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**RNT-MGS-4X480.50-1X480.125-75KVA-12X120.20-75C**

**Product ID: 304136**

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**RNT-MGS-4X480.50-1X480.125-75KVA-12X120.20-75C-Rental Length**

**Example: RNT-MGS-4X480.50-1X480.125-75KVA-12X120.20-75C-MR**

| Rental Length | |
|---|---|
| MONTHLY | -MR |
| WEEKLY | -WR |
| DAILY | -DR |

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)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map