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MGS-480.3P-3X60A-75KVA-208Y.120-2X60A-12X20A

75 KVA Power Distribution - 480V to 208Y/120V 3PH - (17) Receptacles - 25' Cord - N3R

Product ID: 239618

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

MGS-480.3P-3X60A-75KVA-208Y.120-2X60A-12X20A Power Transformer

Line-In: 25' #4 Type W Cord
Line-In Cord Cap: 60A DS60 33-98043 [480V]
Primary Voltage: 480V AC, 3PH
Primary Disconnect: -
Primary Panel: 100A 480V 3PH MLO N3R

Primary Breakers: (1) 100A 3P [480V], (3) 60A 3P [480V]

Primary Receptacles: (3) 60A DS60 33-34043 [480V]
Primary Protection: Circuit Breakers, Weatherproof Covers
Transformer: 75 KVA 480V to 208Y/120V 3PH 60Hz N3R
Secondary Voltage: 208Y/120V AC, 3PH
Secondary Panel: 125A 208Y/120V 3PH MCB N3R
Secondary Breakers: (2) 60A 3P [250V], (12) 20A 1P [125V]
Secondary Receptacles: (2) 60A 560R9W [120/208V], (12) 20A 5-20R GFCI [125V]
Secondary Protection: Circuit Breakers, GFCI, Weatherproof Covers
Form Factor: Square tube frame w/ 1/8" tubing, skid pockets, top pick eye & 8" locking casters

Frame Materials: Powder coated steel frame

Dimensions: 42" X 48" X 52"

Weight: 350 pounds

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.

Ratings

Max Primary OCP: 100A @ 480V
PDU Max OCP: 100A @ 480V
Secondary Max OCP: 125A @ 208V
NEMA 3R Indoor or Outdoor Use
Made in the USA
NRTL Certified to UL 1640 Portable Power-Distribution Equipment

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

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

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The Larson Electronics MGS-480.3P-3X60A-75KVA-208Y.120-2X60A-12X20A Power Distribution Substation converts three-phase 480V AC electrical current to three-phase 208Y/120V AC. This power distribution 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 MGS-480.3P-3X60A-75KVA-208Y.120-2X60A-12X20A portable power distribution system gives operators the ability to power their 480 volt, 208 volt and 120 volt equipment from a single system. On the primary side, operators connect 480 volt line-in power via 25` of #4 Type W cord with a DS60 33-98043 cord cap and to three, DS60 33-34043 receptacles for 480V equipment. On the secondary side, two, 560R9W receptacles are available for 120/208V equipment and twelve, 5-20R GFCI receptacles are available for 125V equipment. All receptacles are equipped with weatherproof covers.

Operation: A 25` #4 Type W cord with a 60-amp 480V DS60 33-98043 cord cap brings three-phase 480V power to the NEMA 3R 100-amp, three-phase 480V main lug only panel on the primary side, which contains three, 60-amp 3-pole 480V breakers protecting three, 60-amp 480V DS60 33-34043 receptacles, as well as one, 100-amp 3-pole 480V primary breaker, and passes power to the transformer. The NEMA 3R 75 KVA transformer converts 480V to three-phase 208Y/120V 60Hz and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 125-amp, three-phase 208Y/120V main circuit breaker panel. This secondary panel contains two, 60-amp 3-pole 250V breakers protecting two, 60-amp 120/208V 560R9W receptacles and twelve, 20-amp 1-pole 125V breakers protecting twelve, 20-amp 125V 5-20R GFCI receptacles.

Protective Construction: Unlike many portable power distribution boxes made of plastic and utilizing thin gauge, low grade metals in their construction, this powder coated 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 NRTL Certified to 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 NRTL 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.

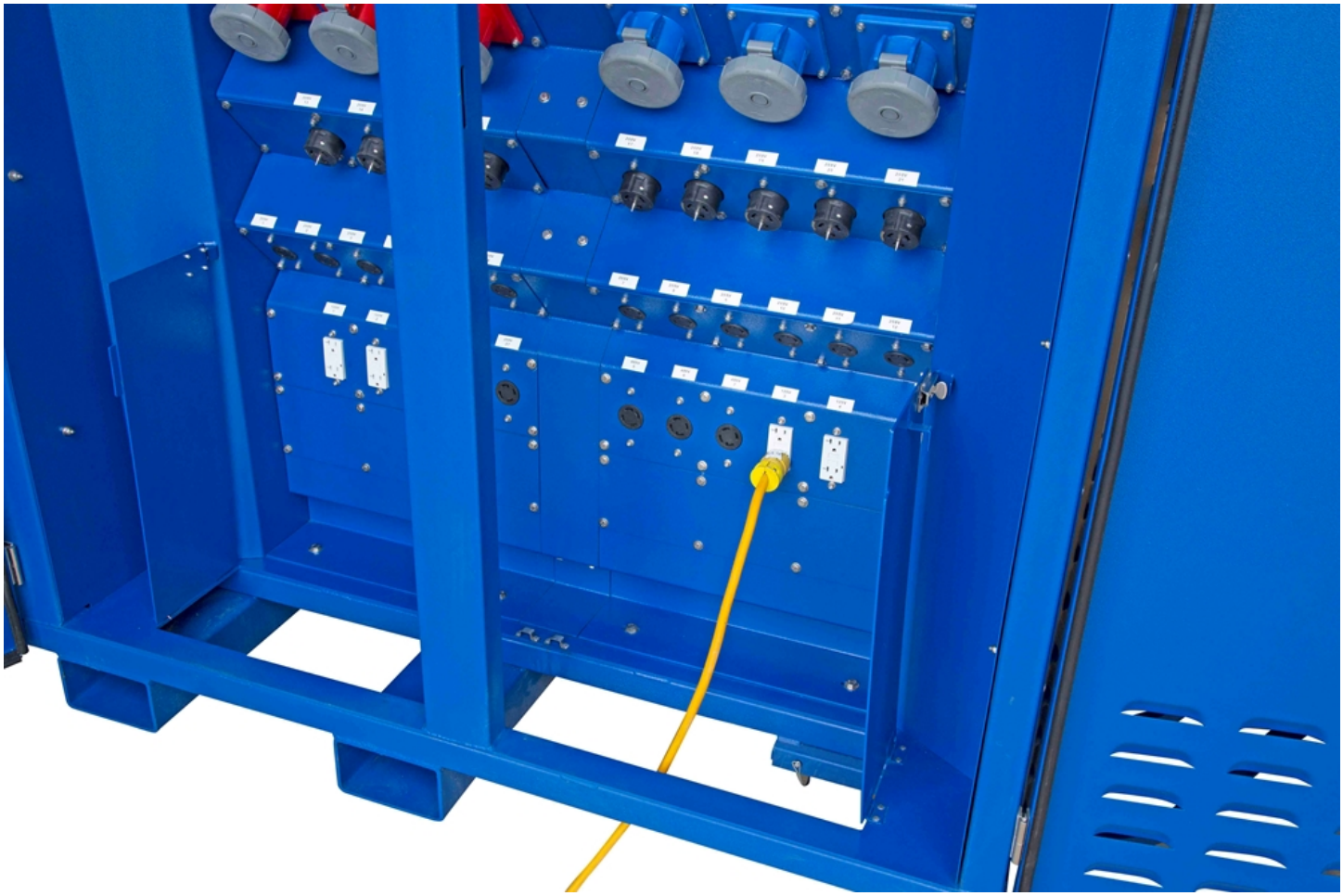
~Please check all motor loads for dual rated motors that will work 208 or 240.~

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.

Frequently Asked Questions (FAQ)



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Product ID: 239618

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)**
- **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**