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MGS-CLP.ATSF-DE75YT-LZ-4.E95-1.E92-6.N07-M1

75 KVA Power Distribution, 480V - 208Y/120V 3PH, (1) 67W82 (4) 5100R9W (1) 460R9W (6) 60W33 Outlets, (2 Sets) 150A Single-pole 15-Series Male Receptacle Camlocks, NEMA 3R

Product ID: 270968

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MGS-CLP.ATSF-DE75YT-LZ-4.E95-1.E92-6.N07-M1

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-CLP.ATSF-DE75YT-LZ-4.E95-1.E92-6.N07-M1 Power Transformer

Line In Primary: (1 Set) 150A Single-pole 15-Series Male Receptacle Camlock [Green, Brown, Orange, Yellow] [600V] w/ Covers
Line In Secondary: (1 Set) 150A Single-pole 15-Series Male Receptacle Camlock [Green, Brown, Orange, Yellow] [600V] w/ Covers
Primary Voltage: 480V AC Delta
Primary Phase: 3-Phase (3PH)
Primary Frequency: 60 Hz (60-cycles)
Primary Panel: 480V 3PH 100A MCCB ATS N3R Panel w/ Voltage Indicators
Primary Breaker(s): (1) 100A 3P MCCB [480V]; (1) 20A 3P MCB [480V]
Primary Outlets(s): (1) 67W82 20A Twist-Lock Receptacle [480V] - w/ On Indicator
Primary Protection: MCCB Circuit Breaker; MCB Circuit Breaker; Voltage Indicators; Weatherproof Cover
Transformer: 75KVA 480V – 208Y/120V 3PH N3R
Secondary Voltage: 208Y/120V AC Wye
Secondary Phase: 3-Phase (3PH)
Secondary Frequency: 60 Hz (60-cycles)
Secondary Panel: 208Y/120V 3PH 200A MCCB N3R w/ Power Meter
Secondary Breaker(s): (4) 100A 3P MCCB [250V]; (1) 60A 3P MCCB [250V]; (6) 20A 1P

Ratings

Max Primary OCP: 100A @ 480V

Max Secondary OCP: 200A @ 208V

NEMA 3R Indoor or Outdoor Use
Made in the USA

MCB [125V]
Secondary Outlets(s): (4) 5100R9W IEC Pin & Sleeve Receptacle [120/208V]; (1) 460R9W IEC Pin & Sleeve Receptacle [250V]; (6) 60W33 NEMA Splx Straight-Blade [125V]
Secondary Protection: MCCB Circuit Breakers, MCB Circuit Breakers, Power Meter, Weatherproof Covers
Form Factor: Blue Powder Coated Steel Open Cube Skid
Frame Materials: Powder Coated Steel Frame
Dimensions: (*Please note that dimensions are approximate and subject to change*) 56" x 60" x 80"
Weight: (*Please note that weight is approximate and subject to change*) 1550 lb
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.

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
Fax: 1-903-765-7664
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 unit is Made In USA - Manufactured in Texas

The MGS-CLP.ATSF-DE75YT-LZ-4.E95-1.E92-6.N07-M1 from Larson Electronics is a Power Distribution Substation that converts three-phase 480V AC Delta electrical current to three-phase 208Y/120V AC Wye. This power distribution unit provides operators the ability to safely tap into and distribute 480V AC Delta power from a variety of sources including generators and direct grid power. The power distribution station is not in-use rated and cannot pass through standard man doors (we offer an upgraded version of this unit that is fully enclosed).

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

Operation:

• Primary Voltage: 480V AC Delta 3PH

• Primary Panel: 480V 3PH 100A MCCB ATS N3R Panel w/ Voltage Indicators

• Primary Breaker(s): (1) 100A 3P MCCB [480V]; (1) 20A 3P MCB [480V]

• Primary Outlet(s): (1) 67W82 20A Twist-Lock Receptacle [480V] - w/ On Indicator

• Transformer: 75KVA 480V – 208Y/120V 3PH N3R

• Secondary Voltage: 208Y/120V AC Wye 3PH

• Secondary Panel: 208Y/120V 3PH 200A MCCB N3R w/ Power Meter

• Secondary Breaker(s): (4) 100A 3P MCCB [250V]; (1) 60A 3P MCCB [250V]; (6) 20A 1P MCB [125V]

• Secondary Outlet(s): (4) 5100R9W IEC Pin & Sleeve Receptacle [120/208V]; (1) 460R9W IEC Pin & Sleeve Receptacle [250V]; (6) 60W33 NEMA Splx Straight-Blade [125V]

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

Portable Power Distribution Purpose and Use: The MGS-CLP.ATSF-DE75YT-LZ-4.E95-1.E92-6.N07-M1 portable power distribution system gives operators the ability to power their 480 volt, 208 volt and 120 voltequipment from a single system. On the primary side, operators connect 480 volt line-in power via one set of 150A single-pole 15-series male camlocks (brown, orange, yellow, and green) and to one 67W82 receptacle with an "on" indicator light for 480V equipment. Operators may connect directly to the secondary side via one set of 150A single-pole 15-series male camlocks male camlocks (brown, orange, yellow and green). On the secondary side, four 5100R9W IEC pin and sleeve receptacles for 120/208V equipment, one 460R9W IEC pin and sleeve receptacle for 208V equipment, and six 60W33 NEMA Splx straight blade receptacles for 120V equipment are available. All receptacles are protected by weatherproof covers.

Operation: One set of 150A single-pole 15-series male camlocks male camlocks (brown, orange, yellow and green) brings three-phase 480V power to the primary side of the system, which contains a NEMA 3R 100-amp three-phase 480V automatic transfer switch with voltage indicators protected by one 100-amp 3-pole 480V molded case circuit breaker and one 20-amp 3-pole 480V main circuit breaker protecting one 20-amp 67W82 480V receptacle with an "on" indicator light, and passes power to the transformer. The NEMA 3R 75 KVA transformer converts three-phase 480V to three-phase 208Y/120V and passes the current to the secondary side of the system. Operators may also connect three-phase 208Y/120V power directly to the secondary side using one set of 150A single-pole 15-series male camlocks male camlocks (brown, orange, yellow, and green).

The secondary side has a NEMA 3R 200-amp three-phase 208Y/120V MCCB panel with a power meter, which contains four 100-amp 3-pole 250V molded case circuit breakers protecting four 100-amp 5100R9W 120/208V receptacles, one 60-amp 3-pole 250V molded case circuit breaker protecting one 60-amp 460R9W 250V receptacle and six 20-amp 1-pole 125V main circuit breakers protecting six 20-amp 60W33 125V NEMA splx receptacles.

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: All units are built in accordance to NFPA 70 (National Electric Code). 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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com/images/product/ANSICert1/270968.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/270968.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/270968.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/270968.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/270968.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/270968.PDF)
- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/270968.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/270968.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/270968.PDF)
- **Single Line Diagram (One-Line Diagram)**(https://www.larsonelectronics.com/images/product/Oneline/270968.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/270968.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/270968.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/270968.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/270968.JPG)
- **Video1**(https://www.youtube.com/watch?v=rR-PuRIWQzI)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)