Larson Electronics LLC
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MGL-208.3P.30A.TWL-7.5KVA-230.460CT-1X230.2P.30A.T

7.5KVA Mobile Power Distribution - 208V to 230/460V 1PH - 10' Line-in/Line-out Cords - N3R

Product ID: 236040

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

MGL-208.3P.30A.TWL-7.5KVA-230.460CT-1X230.2P.30A.TWL Temporary Power Distribution System

Line-in Cord: 10' #10 SOOW Cord
Line-in Cord Cap: 30A L21-30P [208V]
Primary Voltage: 208V AC, 1PH
Primary Disconnect: 30A 208V 3PH N3R Fused @ 30A
Primary Panel: -
Primary Breakers: -
Primary Receptacles: -
Primary Protection: Disconnect
Transformer: 7.5 KVA 208V to 230/460V 1PH N3R
Secondary Voltage: 230/460V AC, 1PH
Secondary Disconnect: 30A 277V 1PH Series C N3R
Secondary Panel: -
Secondary Breakers: -
Secondary Receptacles: -
Secondary Protection: Circuit Breaker
Line-out Cord: 10' #10 SOOW Cord
Line-out Cord Cap: 30A L7-30C [277V]
Form Factor: Powder Coated Steel Dolly Cart w/ Run Flat Tires
Dimensions: W-40" X D-40" X H-48"

Ratings

Max Primary OCP: 30A @ 208V
Max Secondary OCP: 30A @ 230V
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

Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364

Weight: 350 lbs

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.

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 Larson Electronics MGL-208.3P.30A.TWL-7.5KVA-230.460CT-1X230.2P.30A.TWL Temporary Power Distribution System converts single-phase 208V AC electrical current into single-phase 230/460V AC. This unit provides operators the ability to safely tap into and distribute 208V 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 MGL-208.3P.30A.TWL-7.5KVA-230.460CT-1X230.2P.30A.TWL portable power distribution system gives operators the ability to power their equipment from a single system. On the primary side, operators connect 208V using 10` of #10 SOOW cord with an L21-30P cord cap. On the secondary side, operators may access 10` of #10 SOOW cord with an L7-30C connector for line-out connections.

Operation: A 10` #10 SOOW cord with a 30-amp 208V L21-30P cord cap brings 208V power to the NEMA 3R 30-amp, three-phase 208V primary disconnect, which contains two 30-amp time delay fuses, and passes single-phase 208V through to the transformer. The NEMA 3R 7.5KVA transformer converts single-phase 208V power to single-phase 230/460V 60Hz and passes the current to the secondary side. The secondary side of the transformer contains a NEMA 3R 30-amp, single-phase 277V Series C circuit breaker. This secondary side contains 10` of #10 SOOW cord with a 30-amp 277V L7-30C connector.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



Protective Construction: The transformer and load center/distribution assembly is mounted to a powder coated steel tubing, dolly cart style frame resulting in an extremely stable, durable, and mobile power distribution platform. Two rubber tires and dolly cart style mounting platform provides easier substation mobility, and a center point lift eye allows easy lifting with cable or chain hooks. This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. Units are available up to 150kva 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.

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Frequently Asked Questions (FAQ)

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CAUTION
SHED ALL LOADS
BEFORE TURNING
ON / OFF
WARNING




MISTER

MGL-208.3P.30A.TWL-7.5KVA-230.460CT-1X230.2P.30A.T
Product ID: 236040

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
- Dimensional Drawing 2D
- 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