

MT-LCVR-75KVA-308V-208Y.120-3P-N1-50HZ

75 KVA Power Conditioner/Electronic Voltage Regulator - 308V 3PH Input - 208Y/120V 3PH Output, 50 Hz - NEMA 1

Product ID: 344252

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



Image: MT-LCVR-75KVA-308V-208Y.120-3P-N1-50HZ

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.

MT-LCVR-75KVA-308V-208Y.120-3P-N1 Power Conditioner

Unit Type: Power Conditioner/Voltage Regulator

Dimensions: 20.47"-W x 34.25"-L x 48.43"-H

Weight: 661.39 lbs

Size: 75 KVA

Input Voltage: 308V AC, 3 Phase 3 Wire

Input Voltage Variation Range: $\pm 20\%$

Output Voltage: 208Y/120V AC, 3 Phase 4 Wire

Output Voltage Accuracy: $\pm 0.5\%$

Frequency: 60 Hz $\pm 5\%$

Power-on Time: 100%

Short-circuit Voltage: $\leq 2.4\%$

Start to Correct: < 5 Cycles

Speed Regulation: 22 ms/V

Admitted Load Variation: Up to 100%

Admitted load imbalance: 100%

Cooling: Fan Cooling

Efficiency: 98.5%

Max. Relative Humidity: < 95 (non-condensing)

Admitted Overload: 100% 1min

Harmonic Distortion: N/A

Ratings/Approvals

Indoor Use (NEMA 1)

Solid-state Performance

No-fan Design

Microprocessor-based Controls

98.5% Efficiency

Backlit LCD Display

Remote Alarm Dry Contacts



Instrumentation - HMI: Display LCD 10" Touch - Input & output measurement-INSIDE

Multifunctional Power Quality Analyzer: Input / Output JANITZA type UMG509-Pro

Communication: RS485 port / Ethernet RJ45 – MODBUS® TCP/IP communication protocol

Installation: Indoor

Protection Degree : NEMA 1

Operating Temperature Range: -25°C to +45°C

Storage Temperature Range: -25°C to +60°C

Materials: Carbon Steel

Form Factor: Cube Enclosure w/ I-beam Legs

Color: RAL 7035

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics MT-LCVR-75KVA-308V-208Y.120-3P-N1-50HZ Power

Conditioner/Electronic Voltage Regulator is ideal for protecting machines from sudden voltage fluctuations and low quality electrical currents. This 75 KVA unit supports three-phase 308V AC input voltage and 208Y/120V AC output voltage, with a $\pm 20\%$ input voltage range and $\pm 0.5\%$ output range. The NEMA-1 rated voltage regulator is constructed of carbon steel and features a solid-state.

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

The MT-LCVR-75KVA-308V-208Y.120-3P-N1-50HZ offers robust protection for sensitive machines and electronic devices in industrial buildings. This 75 KVA unit supports an input voltage of three-phase 308V AC, 50Hz and an output voltage of three-phase 208Y/120V AC, 60Hz. Input voltage may range between $\pm 20\%$, while output voltage regulation ranges $\pm 0.5\%$. The voltage regulator does not have a minimum load, harmonic distortion, load current interruption and power factor limitations. Surge suppression and input circuit breaker are included with the unit. This electronic voltage regulator is 98.5% efficient.

The MT-LCVR-75KVA-308V-208Y.120-3P-N1-50HZ features a solid-state and no-fan design for quiet and efficient operation. All controls are microprocessor based for consistent performance. This unit comes with a backlit LCD display for seamless monitoring. Constructed of carbon steel, the voltage regulator is housed in a NEMA 1 enclosure, making it suitable for indoor environments. This level of protection allows the unit to withstand the ingress of solid objects, such as falling dirt.

Applications: Industrial facilities, indoor operations, large machines, processing plants, labs, commercial equipment, military, warehouses, digital processing systems, electrical current protection, EMI reduction and more.

At Larson Electronics, we do more than meet your lighting and power distribution needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting or power distribution system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.



Frequently Asked Questions (FAQ)

There are no Faqs



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