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MT-LAVR-3P-480Y.277-90KVA-480Y.277-N1

90 KVA Voltage Stabilizer - 480Y/277 3PH Wye-N Input to 480Y/277 3PH Wye-N Output - 60Hz - Mobile w/ Wheels

Product ID: 321856

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

Image: MT-LAVR-3P-480Y.277-90KVA-480Y.277-N1

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-LAVR-3P-480Y.277-90KVA-480Y.277-N1 Industrial Three-phase Automatic Voltage Stabilizer

Unit Type: Automatic Voltage Stabilizer

Dimensions: 620mm X 800mm X 1300mm (24.4" x 31.5" x 51.2")

Weight: 244 kg (537.9lbs)

Input Voltage: 480Y/277V Wye-N 3PH +15% /- 25% -

Input Frequency: 60 Hz

Capacity: 90 KVA

Output Voltage: 480Y/277 Wye-N 3PH (±1–2%)

Output Frequency: 60 Hz

Correction Range: ±15% (handle 250–277V L-G dips)

Voltage Boost: +5%

Regulation Speed: Fast-acting (within 20 ms)

Adjust Time: < 1 Second (Against 10% Input Voltage Deviation)

Output Protection: Shut down automatically when the output voltage exceeds 430V

Features/Ratings

LCD Display

Manual mains/voltage regulation switch: Use mains mode during stable voltage to save power and extend equipment life.

Overvoltage alarm with delayed shutdown: Auto shutdown and alarm if voltage exceeds safe limits (240V single-phase / 420V three-phase) after 3 minutes.

Auto restart after outage (customized): Automatically resumes operation after power returns, no manual reset needed.

Cooling: Forced Air
Protection: MCCB
Input Transient: Type II Surge Protector.
Delay: 5 Seconds
Load Factor: 0.8
Efficiency: ≥ 95%
Dielectric Strength: 1500V/min
Display: LCD
Fuse Size: 250 A
Cooling method: Naturally air cooled
Ambient Temperature: -5°C ~ +40°C
Altitude: Not exceed 1,000 meters
Temperature Rise: < 60°C
Temperature Protection: 110□ ± 10□
Insulation Resistance: ≥ 3MΩ
Relative Humidity: ≤90% (when the ambient temperature is +20□)
Mounting: Mobile Cart w/ Wheels
Color: Tan

Special Orders - Special Requirements
Contact us for special requirements
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The Larson Electronics MT-LAVR-3P-480Y.277-90KVA-480Y.277-N1 Industrial Automatic Voltage Stabilizer is designed for industrial and commercial locations. The 90 KVA power device comes with an input voltage/frequency of three-phase 480Y/277, 60 Hz and an output voltage/frequency of three-phase 480Y/277, 60 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

This 90 KVA unit accepts three-phase 480Y/277V AC Wye-N AC 60 Hz on the input side and provides three-phase 480Y/277V AC Wye-N 60 Hz on the output side. There is a delay of 5 seconds when starting the device and an adjust time of 1 second. This power unit is equipped with several protective features, including overload, short circuit and over temperature. An LCD display located at the front of the voltage stabilizer provides the status of protective features and various real-time indicators, such as input/output voltage, fault indication, delay time and more. The enclosure that houses the voltage stabilizer features vents to promote active cooling during use.

Mounting: The MT-LAVR-3P-480Y.277-90KVA-480Y.277-N1 is secured inside a mobile enclosure with wheels for seamless mobility around the work site.

Applications: Industrial facilities, laboratories, air compressor testing, power supply testing, motor equipment testing, quality assurance, lighting systems and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting 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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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