

Product ID: 324229

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



Image:

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.

IND-SFC-3P-90KVA-480V-60HZ-200Y,115V-400HZ-M2 Modular Solid-state Voltage Frequency Converter

Unit Type: Modular Solid-state Static Voltage Frequency Converter, Bidirectional

Configuration: Vertical

Dimensions: 35.43"L x 29.52"W x 47.24"H

Weight: 1,675.51 lbs

Input Voltage: 3 x 480V Delta (+/- 10%), 3P3W+G

Input Frequency: 60 Hz +/- 5%

Capacity: 90 KVA

Output Voltage: 3 x 200Y/115V (+/- 5V), 3P4W+G

Output Frequency: 400 Hz +/- 0.1%

Power Factor: 0.8 lagging to 0.99 leading

Voltage Regulation: <0.5% for balanced and up to 30% unbalanced load

Voltage Recovery: Δ <8% and rec. time <10ms at 100% load change

Total Harmonic Content: <2% at linear load (typ. 1.5%) <2% at non linear load according to ISO 1540

Crest Factor: 1.414 +/- 3%

Rectification: IGBT

Efficiency Ratio: Up to 95%

Load Stabilization Rate: < +/- 1%

Frequency Stability: < +/- 0.01%

Harmonic Distortion: Pure Sine Wave < 2%

Cable Hooks: Included

Features/Ratings

NRTL Listed to UL 508A

UL Listed

Advance Microprocessor Control

True Online Double Conversion

Smart Fan Control

Low Input THDi < 3%

IP55

Output Cable: 92 ft, 400 Hz, E&F non-jumped

Power Cord: 90 ft or more, stored inside unit when not in use

Cable Management: Powered retract system for output power cable

Coil Cable or Connector: Special twisted highly flexible cable harness for power transfer from fixed part to moving part; 24m (79 ft) flexible composite cable; aircraft connector with Start/Stop buttons, Cable IN/OUT push buttons, replaceable pins, 90% front switch & indicator lamps

Accessories Included: Military Interlock, Stand for Fixed Mount

4-digit Meters: Digital Frequency Meter- Resolution 0.1Hz/Step; Digital Voltage Meter- Resolution 0.1V; Digital Ammeter- Resolution 0.1A; Digital Watt Meter- Resolution 0.1W

Protection: Overload; 125% for 600 sec, 150% for 60 sec, 200% for 30 sec; Short Circuit, Over Temp, Instant Power Failure Protection, Alarm; Cable Blocked, Motor Overload

Operating Temp: 0-40C

Humidity: 0-90% (Non-condensation)

Mounting: Vertical, floor-standing, or wall-mounted

Color: RAL 7035

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

The Larson Electronics IND-SFC-3P-90KVA-480V-60HZ-200Y.115V-400HZ-M1 Modular Solid-state Voltage Frequency Converter is designed for voltage and frequency rectification in industrial locations. The 90 KVA static converter comes with an input voltage/frequency of three-phase 480V Delta, 60 Hz and an output voltage/frequency of three-phase 115V, 400 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

The IND-SFC-3P-90KVA-480V-60HZ-200Y.115V-400HZ-M1 can be used to accurately convert voltages and frequencies in industrial sites. This 90 KVA unit offers three-phase 480V Delta, 60 Hz on the input side and three-phase 200Y/115V, 400 Hz on the output side. During operation, rectification is completed via IGBT. The static frequency converter provides robust microprocessor control, true online double conversion and active input power factor correction.

This modular frequency converter includes powered cable retract, a 92-foot output cable, and a 90-foot input power cord, stored inside the unit when not in use. The system is designed with stationary anchoring points for floor-mounted installation.

Mounting: Floor mounted, vertical configuration

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.



Frequently Asked Questions (FAQ)

There are no Faqs



Image:



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Export Control Classification Number (ECCN): EAR99



Links (Click on the below items to view):

- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/324229.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/324229.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/324229.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/324229.JPG>)
- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/324229.JPG>)
- **HigResPic5**(<https://www.larsonelectronics.com/images/product/HigResPic5/324229.JPG>)
- **HigResPic6**(<https://www.larsonelectronics.com/images/product/HigResPic6/324229.JPG>)
- **HigResPic7**(<https://www.larsonelectronics.com/images/product/HigResPic7/324229.JPG>)
- **HigResPic8**(<https://www.larsonelectronics.com/images/product/HigResPic8/324229.JPG>)
- **HigResPic9**(<https://www.larsonelectronics.com/images/product/HigResPic9/324229.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=jVnTdFuOqt0>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
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