

Product ID: 326271

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-100KVA-480V-60HZ-200V-50HZ Voltage-Frequency Converter

Unit Type: Solid-State Static Voltage Frequency Converter

Dimensions: 47.24" x 29.52" x 50.00"

Weight: 1267.6 lb

Input Voltage: 480V 3PH +/- 5%, 3P3W+G

Input Frequency: 60 Hz +/- 10%

Input Current Distortion: 5%

Power Factor: 0.99

Inrush Current: 50% of full load current

Capacity: 100 kVA - 100% Load - 30 Mins

Output Voltage: 200V 3PH +/- 2%, 3P3W+G

Output Frequency: 50 Hz +/- 10%

Over Load: 100% continues , 110% for 60 min, 125% for 10 min, 150% for 2 min, 200% for 20 sec

Voltage Regulation: ±1.0% under all conditions

Frequency Regulation: ±0.01 % under all conditions

Crest Factor: 1.414 ±3%

Rectification: IGBT

Efficiency Ratio: @ full load 92%

Phase Angle Regulation: ±2° for balanced loads, ±4° for unbalanced loads

Harmonic Distortion: 3% maximum (linear loads)

Load Stabilization Rate: < +/- 1%

Harmonic Distortion: Pure Sine Wave < 2%

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

Features/Ratings

NRTL Listed to UL 508A

Advance Microprocessor Control

True Online Double Conversion

Smart Fan Control

Low Input THDi < 3%



Enclosure Protection Class: NEMA 3RX

Protection: Over/Under voltage, Loss of Phase, Over Current, Short Circuit, Transient Voltage

Noise Level: <65 dBA at 5 feet

Operating Temp. Range: -40°C TO +55°C

Relative Humidity: 0-95% (Non-condensation)

Mounting: Fixed Installation / Hard-Wired Setup

Color: Tan

Special Orders - Special Requirements

Contact us for special requirements

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E-mail: sales@larsonelectronics.com

The IND-SFC-3P-100KVA-480V-60HZ-200V-50HZ from Larson Electronics is a Solid-State Voltage Frequency Converter that is designed for voltage and frequency rectification in industrial locations. This 100 kVA static converter comes with an input voltage/frequency of 480V three-phase 60 Hz and an output voltage/frequency of 200V three-phase 50 Hz. The unit is designed for stationary installation and is hard-wired directly to connected equipment.

The IND-SFC-3P-100KVA-480V-60HZ-200V-50HZ can be used to accurately convert voltages and frequencies in industrial sites. This 100 kVA unit offers three-phase 480V, 60 Hz on the input side and three-phase 200V, 50 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 solid-state frequency converter is equipped with several protective features, including overload, short circuit, over temp, instant power failure connection and alarm. For efficient operation, the unit features smart fan control and ultra high efficiency (98% in Smart Eco Mode). Operators are provided access to a panel, which houses various controls for meters. Available meter components include digital frequency meter, digital voltage meter, digital ammeter, and digital watt meter.

Mounting: The IND-SFC-3P-100KVA-480V-60HZ-200V-50HZ is designed for fixed installation and hard-wired connections, ensuring a secure setup in industrial facilities.

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



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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/326271.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/326271.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/326271.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/326271.JPG>)
- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/326271.JPG>)
- **HigResPic5**(<https://www.larsonelectronics.com/images/product/HigResPic5/326271.JPG>)
- **HigResPic6**(<https://www.larsonelectronics.com/images/product/HigResPic6/326271.JPG>)
- **HigResPic7**(<https://www.larsonelectronics.com/images/product/HigResPic7/326271.JPG>)
- **HigResPic8**(<https://www.larsonelectronics.com/images/product/HigResPic8/326271.JPG>)
- **HigResPic9**(<https://www.larsonelectronics.com/images/product/HigResPic9/326271.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>)
- **Shipping Time Map**(<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)