Larson Electronics LLC
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Phone: 800.369.6671

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Product ID: 280511

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-10KVA-400Y-50HZ-480Y-60HZ-N3R Frequency Converter
Unit Type: Solid-State Static Voltage Frequency Converter
Dimensions: 30.31" x 22.83" x 44.88"
Weight: 331 lb
Input Voltage: 400V, Wye, 3PH +/- 5%, 3P4W+G
Input Frequency: 50 Hz +/- 5%
Capacity: 10 kVA - 100% Load - 30 Mins
Output Voltage: 480 V Wye, 3PH +/- 2%, 3P4W+G
Output Frequency: 60 Hz +/- 5%
Rectification: IGBT
Efficiency Ratio: Up to 95%
Load Stabilization Rate: < +/- 1%
Frequency Stability: < +/- 0.01%
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
Protection: Overload, Short Circuit, Over Temp, Instant Power Failure Protection, Alarm
Operating Temp: 0°C - 40°C
Humidity: 0-90% (Non-condensation)
Mounting: Mobile Cart w/ Wheels
Color: Tan

Features/Ratings
NRTL Listed to UL 508A
Advance Microprocessor Control
True Online Double Conversion
Smart Fan Control
Low Input THDi < 3%
NEMA 3R Rated

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 IND-SFC-3P-10KVA-400Y-50HZ-480Y-60HZ-N3R from Larson Electronics is a Solid-State Voltage Frequency Converter that is designed for voltage and frequency rectification in industrial locations. The 10 kVA static converter comes with an input voltage/frequency of three-phase 400 V Wye, 50 Hz and an output voltage/frequency of three-phase 480 V Wye, 60 Hz. This unit is mobile via four wheels at the bottom of the enclosure and is rated NEMA 3R.

The IND-SFC-3P-10KVA-400Y-50HZ-480Y-60HZ-N3R can be used to accurately convert voltages and frequencies in industrial sites. This 10 kVA unit offers three-phase 400 V Wye, 50 Hz on the input side and three-phase 480 V Wye, 60 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.

NEMA Rating: The IND-SFC-3P-10KVA-400Y-50HZ-480Y-60HZ-N3R is rated NEMA 3R which allows it to be used in both indoor and outdoor locations. The NEMA 3R enclosure is still ventilated to allow the frequency converter to have access to air flow. The screen on the converter is equipped with a NEMA 3R rated hood. All of the operators on the converter are also outdoor rated.

Mounting: The IND-SFC-3P-10KVA-400Y-50HZ-480Y-60HZ-N3R 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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Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/280511.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/280511.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/280511.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/280511.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/280511.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/280511.JPG)
- **HigResPic6**(https://www.larsonelectronics.com//images/product/HigResPic6/280511.JPG)
- **HigResPic7**(https://www.larsonelectronics.com//images/product/HigResPic7/280511.JPG)
- **HigResPic8**(https://www.larsonelectronics.com//images/product/HigResPic8/280511.JPG)
- **HigResPic9**(https://www.larsonelectronics.com//images/product/HigResPic9/280511.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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