Larson Electronics LLC
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Product ID: 321680

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-380.480D-50.60HZ-200Y.115-400HZ-M2 Frequency Converter

Unit Type: Solid-State Static Voltage Frequency Converter
Dimensions: 33"-W x 53"-L x 45"-H
Weight: 1,017 lbs
Input Voltage: 380-480 V, Delta, (±10% / -15%), 3-phase, 3 wire + ground
Input Frequency: 50/60 Hz ±10%
Input Current Distortion: ≤ 5% (typ. 3%)
Inrush Current: ≤100% of full load
Phase Rotation: Any
Capacity: 90 kVA - 100% Load - 30 Mins
Output Voltage: 200Y/115 V, Grounded Wye ((per MILSTD-704F)), 3P4W+G, +/- 2%
Output Frequency: 400 Hz +/- 0.01%
Overload Capability: 100% continuous, up to 200% for 20 seconds
Voltage Regulation: ±1.0%
Frequency Regulation: ±0.01%
Harmonic Distortion: ≤2.0%
Crest Factor: 1.414 ± 3%
Rectification: IGBT
ALDC (Line Drop Compensation): 15%
Remote Interface: USB, RS232, RS485 (Modbus), RJ45 (Ethernet) Input & Output Monitoring
Sleep Mode: Included

Features/Ratings

NRTL Listed to UL 508A
Advanced Microprocessor Control
True Online Double Conversion
Smart Fan Control
UL 1012 Certified

Summary Fault Indicators: Included
Elapsed Time Meter: Included
Input & Output Monitoring: Voltage, current, frequency
Protection: Over/under-voltage, loss of phase, overcurrent, short circuit, voltage transients per IEEE C62.41.1 (Cat B/C)
Operating Temp: -40°C ~ +55°C
Humidity: 10-95% (Non-condensation)
Noise Level: < 65 dBA @ 5 ft
Ingress Protection: NEMA 3RX
Cooling Method: Forced convection
Mounting: Mobile Cart w/ Wheels
Color: Tan

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-90KVA-380.480D-50.60HZ-200Y.115-400HZ-M2 from Larson Electronics is a Solid-State Voltage Frequency Converter that is designed for voltage and frequency rectification in industrial locations. The 90 kVA static converter comes with an input voltage/frequency of three-phase 380-480V Delta, 50/60 Hz and an output voltage/frequency of three-phase 200Y/115 V Wye-N, 400 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

The IND-SFC-3P-90KVA-380.480D-50.60HZ-200Y.115-400HZ-M2 can be used to accurately convert voltages and frequencies in industrial sites. This 90 kVA unit offers three-phase 380-480 V Delta, 50/60 Hz on the input side and three-phase 200Y/115 V Wye-N, 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 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-90KVA-380.480D-50.60HZ-200Y.115-400HZ-M2 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/321680.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/321680.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/321680.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/321680.JPG)
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- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/321680.JPG)
- **HigResPic6**(https://www.larsonelectronics.com//images/product/HigResPic6/321680.JPG)
- **HigResPic7**(https://www.larsonelectronics.com//images/product/HigResPic7/321680.JPG)
- **HigResPic8**(https://www.larsonelectronics.com//images/product/HigResPic8/321680.JPG)
- **HigResPic9**(https://www.larsonelectronics.com//images/product/HigResPic9/321680.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)