Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
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IND-SFC-3P-90KVA-480Y.277-60HZ-270VDC.200Y.115-400HZ-N3R

90 KVA Solid-State Aircraft Frequency Converter - 480Y/277V AC 3PH 4W 60 Hz to 200Y/115V AC 3PH 4W 400 Hz x 270V DC - NEMA 3R Indoor - TAA Compliant - Includes 18" Base Module

Product ID: 339387

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



Image: IND-SFC-3P-90KVA-480Y.277-60HZ-270VDC.200Y.115-400HZ-N3R

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-480Y.277-60HZ-270VDC.200Y.115-400HZ-N3R Aircraft Frequency Converter

Unit Type: Solid-state Aircraft Frequency Converter
Dimensions: Not to Exceed 51.18" W x 47.24" H x 55.12" D
Weight: Not to Exceed 1200 lbs
Input Voltage: 480Y/277 3PH +/- 5% 3P4W+G
Input Frequency: 60 Hz +/- 5%
Capacity: 90 KVA Continuous Duty
Output Voltage: 270V DC x 200Y/115 3PH +/- 2% 3P4W+G
Output Frequency: 400 Hz +/- 5%
Rectification: IGBT
Efficiency Ratio: Up to 95%
Load Stabilization Rate: < +/- 1%
Frequency Stability: < +/- 0.01%
Harmonic Distortion: Pure Sine Wave < 2%
Input Configuration: Hardwired
Output Configuration: Hardwired to building receptacles
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

Features/Ratings

NRTL Listed to UL 508A – TAA Compliant
Advance Microprocessor Control
True Online Double Conversion
Input Breaker Included
Digital Metering & Control Interface (Factory Tested)
Solid-State IGBT Rectification
Output Contactor Included
Includes 18-inch Base Module for Conduit Entry
Manufactured in USA or Service/Parts Accessible
C-17 aircraft compatibility
Compliant with MIL-STD-704F
Compliant with ISO 6858
Compliant with DFS-400

Special Orders - Special Requirements

Operating Temp: 0-40°C
Humidity: 0-90% (Non-condensation)
Mobility/Installation: Mounted Wheels Capable of Locking and Braking
Color: Tan

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The Larson Electronics IND-SFC-3P-90KVA-480Y.277-60HZ-270VDC.200Y.115-400HZ-N3R Solid-State Aircraft Frequency Converter is designed for voltage and frequency conversion in industrial and government facilities. The 90 KVA converter comes with an input voltage/frequency of 480Y/277V AC three-phase 4-wire 60 Hz and an output voltage/frequency of 270V DC x 200Y/115V AC three-phase 4-wire 400 Hz. This unit is housed in a NEMA 3R rated indoor enclosure and includes an integrated 18-inch base module for conduit entry. The converter is TAA compliant and intended for use inside buildings where personnel are present.

The IND-SFC-3P-90KVA-480Y.277-60HZ-270VDC.200Y.115-400HZ-N3R can be used to accurately convert voltages and frequencies in controlled industrial environments. This 90 KVA unit offers 480Y/277V AC three-phase 50/60 Hz on the input side and 270V DC x 200Y/115V AC three-phase 400 Hz on the output side. During operation, rectification is completed via solid-state IGBT technology (non-rotary design). The frequency converter provides advanced microprocessor control, true online double conversion and low input harmonic distortion for stable, clean output power suitable for sensitive equipment.

This solid-state frequency converter is equipped with several protective features, including overload, short circuit, over temperature, instant power failure protection and alarm notification. For efficient operation, the unit features digital metering and diagnostic monitoring. Available meter components include digital frequency meter, digital voltage meter, digital ammeter and digital watt meter. The system includes an input breaker, output contactor and is factory tested prior to shipment. Total unit weight does not exceed 1000 lbs.

Mounting: The IND-SFC-3P-90KVA-480Y.277-60HZ-270VDC.200Y.115-400HZ-N3R is secured inside a fixed, floor-mounted NEMA 3R enclosure designed for indoor installations. The unit includes an 18-inch base module to facilitate bottom conduit entry.

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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Export Control Classification Number (ECCN): EAR99

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