

IND-SFC-3P-50KVA-208D-60HZ-115Y.66-400HZ

50 KVA Solid-state Voltage Frequency Converter - 208V (3P3W+G) 60 Hz Input to 115Y/66 (3P4W+G) 400 Hz Output - 3PH - Mobile w/ Wheels

Product ID: 339832

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



Image: IND-SFC-3P-50KVA-208D-60HZ-115Y.66-400HZ

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-50KVA-208D-60HZ-115Y.66-400HZ Frequency Converter

Unit Type: Solid-state Static Voltage Frequency Converter

Dimensions: 35.43" x 29.52" x 47.24"

Weight: 1,059 lbs

Input Voltage: 208V, Delta, +/- 5%, 3P3W+G

Input Frequency: 60 Hz +/- 5%

Maximum Full Load Input Current: 138A

Capacity: 50 KVA - 100% Load - Continuous

Output Voltage: 115Y/66, Wye-N +/- 2%, 3P4W+G

Output Frequency: 400 Hz +/- 5%

Maximum Full Load Output Current: 250A

Rectification: IGBT

Efficiency Ratio: Up to 95%

Load Stabilization Rate: < +/- 1%

Frequency Stability: < +/- 0.01%

Harmonic Distortion: Pure Sine Wave < 2%

Input Cable: 50 feet, single jacket 3-conductor with ground, pigtailed and plug ready, with 3 Phase Hubble Connector

Input surge protection: Included, IAW IEEE C62.41, Category B

Input "ON/OFF" Connect/Disconnect Current Sensing Device: Included

Features/Ratings

NRTL Listed to UL 508A

Advanced Microprocessor Control

True Online Double Conversion

Smart Fan Control

Low Input THDi < 3%

Input Automatic Line Monitoring: Included

Output Cable: 30 feet, banded multiple conductor with aircraft plug and safety interlock
Molded Blackhawk Connector

Output "ON/OFF" Connect/Disconnect Current Sensing Device: Included, w/ aircraft safety interlock

Diagnostic System: Included, Built-in maintenance diagnostic system (BITE)

Internal Communication Ports: USB

External Communication Ports: USB

Emergency Power Shut-off: Included

Elapsed Time Meter: Included

Sleep Mode: Included

Voltage Adjust: Included

Summary Fault Indicators: Included

Input & Output Cable Racks: Included

Hazard Area Clearance: 18 inches

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: 0-40°C

Humidity: 0-90% (Non-condensation)

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 Larson Electronics IND-SFC-3P-50KVA-208D-60HZ-115Y.66-400HZ Solid-state Voltage Frequency Converter is designed for voltage and frequency rectification in industrial locations. The 50 KVA static converter comes with an input voltage/frequency of three-phase 208V Delta, 60 Hz and an output voltage/frequency of three-phase 115Y/66 Wye-N, 400 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

The IND-SFC-3P-50KVA-208D-60HZ-115Y.66-400HZ can be used to accurately convert voltages and frequencies in industrial sites. This 50 KVA unit offers three-phase 208V Delta, 60 Hz on the input side and three-phase 115Y/66 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, overtemp, 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-50KVA-208D-60HZ-115Y.66-400HZ 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.



Frequently Asked Questions (FAQ)

There are no Fags



Image: IND-SFC-3P-50KVA-208D-60HZ-115Y.66-400HZ



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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/339832.JPG>)
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- **Video1**(<https://www.youtube.com/watch?v=jVnTdFuOqt0>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
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