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IND-SFC-3P-50KVA-208D-60HZ-200D-400HZ

50 KVA Solid-state Voltage Frequency Converter - 208V (3P3W+G) 60 Hz Input to 200V (3P3W+G) 400 Hz Output - 3PH - Mobile w/ Wheels

Product ID: 344536



Image: IND-SFC-3P-50KVA-208D-60HZ-200D-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-200D-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: 200V, Delta, +/- 2%, 3P3W+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
Input Automatic Line Monitoring: Included

Features/Ratings

NRTL Listed to UL 508A
Advanced Microprocessor Control
True Online Double Conversion
Smart Fan Control
Low Input THDi < 3%

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-200D-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 200V Delta, 400 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

The IND-SFC-3P-50KVA-208D-60HZ-200D-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 200V Delta, 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-200D-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.

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Frequently Asked Questions (FAQ)

There are no Faqs