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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

IND-SFC-3P-1.1MVA-460V-60HZ-415V-50HZ

1.1 MVA Solid-state Frequency Converter - 460V 60 Hz Input to 415V 50 Hz Output - Mobile w/ Wheels

Product ID: 319172

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



Image: IND-SFC-3P-1.1MVA-460V-60HZ-415V-50HZ

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-1.1MVA-460V-60HZ-415V-50HZ Frequency Converter

Unit Type: Solid-state Static Frequency Converter
Dimensions: (*Please note that dimensions are approximate and subject to change*) 60" x 60" x 80"
Weight: (*Please note that weight is approximate and subject to change*) 4684.82 lb
Input Voltage: 460 Vac -20% +15% & 60Hz / 3P+PE Delta Connected 3P3W+G
Input Power Factor: > 0.99 (At Full Load)
Input Frequency: 45-65 Hz (Selectable) Wide Range Optional 40-70Hz
Input Total Harmonic Distortion (THDi): < 3.0%
LV Panel Incomer: 1300AT/2500AF
LV Panel Incomer Power Supply Cables: 44 x 3/C 500MCM W/ Ground
Capacity: 1.1 MVA - 100% Load - 30 Mins
Output Voltage: 415Vac 3P+PE / 50Hz 3P3W+G
Output Frequency: 50Hz ±0.5% Synchronous With the Network
Recovery: 0% - 100% - 0% Load, Maximum Output Tolerance 5%, 1% Back to Band <40ms
Output Total Harmonic Distortion (THDv): < 3.0% (Linear Load), < 5.0 (Non-Linear Load)
Crest Factor (CF): 3:1
Overload Capacity: At 125% Load 10min, at 150% Load 1min
Rectification: IGBT
Efficiency Ratio: Online Mode Up to 89%

Features/Ratings

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

Load Stabilization Rate: < +/- 1%
Frequency Stability: < +/- 0.01%
Communication Port: RS232 Standard, RS485, SNMP Adapter Option & Dry Contact Card
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
Internal Grounding: (2) Grounding Bars
External Grounding: (4) 40 x 50 mm Long Grounding Bos
Protection: Overload, Short Circuit, Over Temp, Instant Power Failure Protection, Alarm
Alerts: 500 Event Logs & 180 Parameters for Each Log
Insulation Class: Class H
Enclosure Rating: NEMA 3
Operating Temp: 0-45C
Altitude: 3,300ft Aboce Sea Level
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 IND-SFC-3P-1.1MVA-460V-60HZ-415V-50HZ from Larson Electronics is a Solid-state Frequency Converter that is designed for voltage and frequency rectification in industrial locations. The 1.1 MVA static converter comes with an input voltage/frequency of 460 V three-phase 60 Hz and an output voltage/frequency of 415 V three-phase 50 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

The IND-SFC-3P-1.1MVA-460V-60HZ-415V-50HZ can be used to accurately convert voltages and frequencies in industrial sites. This 1.1 MVA unit offers 460 V three-phase 60 Hz on the input side and 415 V 50 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-1.1MVA-460V-60HZ-415V-50HZ 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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Export Control Classification Number (ECCN): EAR99

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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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