

IND-SFC-3P-100KVA-480Y.277-60HZ-115D-400HZ

100 KVA Solid-State Frequency Converter - 480Y/277 Wye-N 60 Hz Input to 115V Delta 400 Hz Output - Mobile w/ Wheels - w/ Prim/Sec Breakers

Product ID: 335151

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



Image: IND-SFC-3P-100KVA-480Y.277-60HZ-115D-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-100KVA-480Y.277-60HZ-115D-400HZ Frequency Converter

Unit Type: Solid-State Static Frequency Converter, 12 Pulse PWM Technology

Dimensions: 28"-W x 48"-D x 58"-H

Weight: 1,322 lbs

Input Voltage: 480Y/277V, 3 Phase, 4W+G $\pm$ 15%

Input Frequency: 60 Hz $\pm$ 5%

Capacity: 100 KVA - 100% Load

Output Voltage: 115V, 3 Phase, Ungrounded, Delta 3 Wire

Output Frequency: 400 Hz $\pm$.4 Hz

Output Waveform: Pure Sine Wave

Output Voltage Regulation: $\pm$ 1% (Linear load)

Output Voltage Adjustment $\pm$ 10%

Output Voltage Adjustment Type: Manual, Potentiometer

Rectification: IGBT

SCCR: 100,000 kA

MCCB Input: 125A 3P 480V

MCCB Output: 150A 3P 115V

Ground Bond Size: 6 AWG

Efficiency Ratio: Up to 95%

Load Stabilization Rate: $< \pm$ 1%

Features/Ratings

NRTL Listed to UL 508A

Advanced Microprocessor Control

True Online Double Conversion

Smart Fan Control

Low Input THDi $<$ 3%

Frequency Stability: < +/- 0.01%
Harmonic Distortion: < 3% (Linear Load)
Overload Capability: 110% Continuous, 125% 10 Minutes
Emergency Stop Button: Included
Cooling Fans: Included
Heat Rejection: Air Cooled via Electric Fans
Bonding/Grounding: Included
Indicators: LCD Real Time Status/Clock, Data or Historical Events, Self-Diagnosis via LED Status & Audible Alarm
Protection: Over/Under Voltage Alarm, Output Short Circuit, Current Limited & Blown Fuse Indication, Overload, Auto Shutdown, Auto-Restore after 1 min., Overload Temp Condition Will Auto Shutdown
Operating Temp: 0-40°C
Humidity: 0-90% (Non-condensation)
Noise Level: 67 dBA
Cable Entry: Bottom Feed
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-100KVA-480Y.277-60HZ-115D-400HZ from Larson Electronics is a Solid-State Frequency Converter that is designed for voltage and frequency rectification in industrial locations. The 100 KVA static converter comes with an input voltage/frequency of 480Y/277V Wye-N three-phase 60 Hz and an output voltage/frequency of 115V Delta three-phase 400 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

The IND-SFC-3P-100KVA-480Y.277-60HZ-115D-400HZ can be used to accurately convert voltages and frequencies in industrial sites. This 100 KVA unit offers 480Y/277V Wye-N three-phase 60 Hz on the input side and 115V 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, overtemperature, 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-100KVA-480Y.277-60HZ-115D-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 Faqs



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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/HigResPic2/335151.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/335151.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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