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IND-SFC-3P-400KVA-400-50HZ-480-60HZ-N4X

400 KVA Solid-state Frequency Converter - 400V 50 Hz Input to 480V 60 Hz Output - Mobile w/ Wheels - NEMA 4X (Marine Grade)

Product ID: 326457



Image: IND-SFC-3P-400KVA-400-50HZ-480-60HZ-N4X

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-400KVA-400-50HZ-480-60HZ-N4X Frequency Converter

Unit Type: Solid-state Static Frequency Converter
Dimensions: 118" x 67.6" x 111.8"
Weight: 3,747.86 lbs
Input Voltage: 400V 3PH +/- 5%, 3P3W+G
Input Frequency: 50 Hz +/- 5%
Capacity: 400 KVA - 100% Load - 30 Mins
Output Voltage: 480V 3PH +/- 2%, 3P3W+G
Output Frequency: 60 Hz Adjustable 45–65 Hz
Power Factor: ≥ 0.98 Auto-Compensated
Rectification: IGBT
Efficiency Ratio: Up to 95%
Load Stabilization Rate: < +/- 1%
Cooling Method: Forced Air / Optional Liquid Cooling
Frequency Stability: < +/- 0.01%
Harmonic Distortion: Pure Sine Wave < 2%
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
Design Features: Corrosion-Resistant Cabinet, Vibration-Resistant Mounting, EMC Shielding, Remote Monitoring & Diagnostics, PMS Integration
Optional Features: Plug-and-Play Shore Connection, Touchscreen HMI with Fault History,

Features/Ratings

NRTL Listed to UL 508A
Advance Microprocessor Control
True Online Double Conversion
Smart Fan Control
Low Input THDi < 3%
IEC 60092, IEEE 45, IEC 61892, DNV/ABS/GL

Remote Access (Modbus/TCP or Ethernet/IP), Black Start Capability, Battery Backup for Control Circuits
Protection: Overcurrent, Short Circuit, Over/Under Voltage & Frequency, Phase Loss, Thermal, Ground Fault, Insulation Monitoring
Operating Temp: 0-40C
Humidity: 0-90% (Non-condensation)
Enclosure Rating: IP55 / NEMA 4X (Marine Outdoor)
Mounting: Floor Mount or Mobile Enclosure with Locking 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-400KVA-400-50HZ-480-60HZ-N4X Solid-state Frequency Converter is designed for voltage and frequency rectification in industrial locations. The 400 KVA static converter comes with an input voltage/frequency of 400V three-phase 50 Hz and an output voltage/frequency of 480V three-phase 60 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

The IND-SFC-3P-400KVA-400-50HZ-480-60HZ-N4X can be used to accurately convert voltages and frequencies in industrial sites. This 400 KVA unit offers 400V three-phase 50 Hz on the input side and 480V 60 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: he IND-SFC-3P-400KVA-400-50HZ-480-60HZ-N4X is secured inside a mobile NEMA 4X-rated enclosure with marine-grade stainless steel construction and corrosion-resistant coating, suitable for outdoor or dockside use.

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