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IND-SFC-1P.3P-20KVA-230.440V-50HZ-115V-400HZ

20 KVA Solid-State Frequency Converter – Dual Input 230V 1PH / 440V 3PH – 115V 400Hz Adjustable Output - Portable w/ Heavy-Duty Wheels

Product ID: 330409

Image: IND-SFC-1P.3P-20KVA-230.440V-50HZ-115V-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-1P.3P-20KVA-230.440V-50HZ-115V-400HZ Frequency Converter

Unit Type: Solid-State Static Voltage Frequency Converter
Dimensions: 35.43" x 31.49" x 47.24"
Weight: 727.52 lb
Input Voltage: 230V 1PH 50Hz *or* 440V 3PH 50Hz (Both Options Provided)
Input Frequency: 50 Hz +/- 5%
Capacity: 20 kVA - 100% Load - 30 Mins
Output Voltage: 115V 3PH 400Hz AC (Adjustable 105V–125V)
Output Frequency: 400Hz AC (Adjustable 350Hz–420Hz)
Rectification: IGBT
Efficiency Ratio: Up to 95%
Load Stabilization Rate: < +/- 1%
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
Protection: Overload, Short Circuit, Over Temp, Instant Power Failure Protection, Alarm
Operating Temp: 0-40°C
Humidity: 0-90% (Non-condensation)
Mounting: Portable Form Factor w/ Heavy-Duty Wheels
Color: Tan

Features/Ratings

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

Special Orders - Special Requirements

Contact us for special requirements
Intl: 1-214-616-6180
Toll Free: 1-800-369-6671
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The IND-SFC-1P.3P-20KVA-230.440V-50HZ-115V-400HZ from Larson Electronics is a Solid-State Voltage Frequency Converter that is designed for precise voltage and

frequency rectification in industrial environments. This 20 kVA static converter supports dual input options of 230V single-phase 50 Hz or 440V three-phase 50 Hz, providing operators with flexible integration across various power systems. On the output side, the unit delivers 115V three-phase 400 Hz, with adjustable voltage from 105–125V and frequency from 350–420 Hz. This converter is built for mobility and is mounted on a heavy-duty portable cart with rugged wheels.

The IND-SFC-1P.3P-20KVA-230.440V-50HZ-115V-400HZ can be used to accurately convert voltages and frequencies in demanding industrial and aviation-related sites. This 20 kVA unit offers either 230V 1PH or 440V 3PH, both at 50 Hz, on the input side and provides adjustable 115V, 400 Hz three-phase power on the output side. During operation, rectification is completed via an IGBT system. The static frequency converter provides robust microprocessor control, true online double conversion, and highly stable output performance.

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-1P.3P-20KVA-230.440V-50HZ-115V-400HZ is secured inside a portable enclosure equipped with heavy-duty wheels, allowing operators to easily relocate the unit 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