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MTPC-DB-220V-113HP-100KVA-N3R

100 KVA Digital Phase Converter For 113 HP Hard Loads, 220V 1PH to 3PH, 262 Amps Output, NEMA 3R

Product ID: 317442

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



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.

MTPC-DB-220V-113HP-100KVA-N3R Digital Phase Converter

Unit Type: Digital Phase Converter
Phase Conversion: Single Phase to Three Phase
Stand-by Power Consumption: -
Kilo Volt-Amp Rating: 100 kVA
Rated HP: 113 HP
Single Phase Voltage Input: 220 V
Breaker Size: -
Minimum Wire (Input) to Converter: -
Max Overload: Class 4
Efficiency: 98.7%
Lag to Lag Balance: Within 2%
Service Load Type: Hard Motor Loads
Three Phase Voltage Output: 220 V
Weatherproof Rating: NEMA 3R
On/Off Switch: Yes
Form Factor: Rectangular Enclosure, Cylindrical Idler w/ Four Legs
Color: Natural Gray
Weight: -
Dimensions: -
Shipping Weight: -
Shipping Dimensions: -

Ratings/Approvals

Indoor/Outdoor Use (NEMA 3R)
Start/Stop Push Button Switch
Power Indicator Light
Accurate Voltage Balancing
IP14 Rated
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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Made in the USA

The MTPC-DB-220V-113HP-100KVA-N3R from Larson Electronics is a 113 Horsepower Digital Phase Converter is designed to convert single phase power to three phase power for Hard motor loads. This phase converter accepts a single-phase 220V input and provides a three-phase 220V output. Operators may use this digital phase converter to power equipment and machines with Hard motor loads up to 113 horsepower and 262 amps that require three phase power in locations where only single phase power is available.

Applications: The MTPC-DB-220V-113HP-100KVA-N3R is ideal for applications that utilize Hard motor loads. This includes CNC laser table, CNC lathe, CNC mill, CNC plasma table, CNC router, CNC turning machine, CNC waterjet, cooling fan, exhaust fan, gearhead lathe, industrial fan, laser cutter, laser table, plasma cutter, plasma table, plastic grinder, printing press and any other application that induces a Hard motor load.

The MTPC-DB-220V-113HP-100KVA-N3R digital phase converter is suitable for converting single phase 220 V on-site power to three phase 220 V power for equipment. This 113 HP digital phase converter connects to existing 220 V single phase. After conversion, the phase converter provides three-phase 220 V on the output side at 262 maximum steady state output amps. All MTPC series phase converters provide +/- 2-5% voltage balance on the output side, depending on the single phase input power, for maximum efficiency and reduced stress on the motor. This digital phase converter features a built-in motor starter with a start/stop push button switch for seamless activation. The power distribution blocks are oversized for easy installation in the preferred location.

The MTPC-DB-220V-113HP-100KVA-N3R control panel is housed in a NEMA 3R enclosure, making it suitable for indoor or outdoor environments. This level of protection allows the digital phase converter to withstand the ingress of falling dirt, rain, sleet, and snow. All of Larson Electronics LLC's phase converter control panels are NRTL certified to UL 508A.

The MTPC series of digital phase converters are designed to operate based on overall load size. This includes operating multiple devices from one digital phase converter, providing the combined horsepower of all devices being operated simultaneously does not exceed the horsepower rating for the load type. This includes fractional motors up to 113 HP motors, and any combination of motor sizes in between. Instant reversal motors are no problem for the MTPC series phase converters. Each phase converter comes ready to install.

Rotary Sizing: The MTPC-DB-220V-113HP-100KVA-N3R is sized for heavy/hard motor loads up to 113 horsepower. When correctly sized, Larson Electronics phase converters will provide years of trouble free service for your equipment. Larson Electronics offers single phase to three phase static and rotary phase converters for easy, medium, hard, and very hard motor loads. The motor load is dependent on the devices intended to operate on the phase converter. For additional load types or for additional sizes, please see the below links or call us today.

- Single Phase to Three Phase Converters for Medium Motor Loads
- Single Phase to Three Phase Converters for Hard Motor Loads
- Single Phase to Three Phase Converters for Very Hard Motor Loads

At Larson Electronics, we do more than meet your lighting and power distribution needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting or power distribution 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)

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