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MTPC-HD-RB-PYM-480V-50HP-25HP-N3R

Rotary Phase Converter for 25HP Hard Loads - 480V 1PH to 3PH, 32.75 Amps Output, 50HP Idler - Pony Motor/Skid Mount Cart, N3R

Product ID: 280654

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-HD-RB-PYM-480V-50HP-25HP-N3R Rotary Phase Converter

Unit Type: Rotary Phase Converter
Phase Conversion: Single Phase to Three Phase
Kilowatt Rating: 37.5 KW
Kilo Volt-Amp Rating: 50 KVA
Idle Motor Horse Power: 50 HP
Single Phase Voltage Input: 480V
Minimum Fuse/Circuit Breaker Size: 40
Maximum Fuse/Circuit Breaker Size: 125
Minimum Wire (Input) to Converter: 2/0 AWT
Minimum Electrical Service Required: 65 KVA
Starting Motor Type: Pony Motor
Idle Amps: -
Service Load Type: Hard motor loads
Three Phase Voltage Output: 480V
Maximum Single Motor Load HP: 25 HP
Recommended Combined HP: 25 HP
Optimal Output Amps: 32.75A
Maximum Output Amps: 57.5A
Maximum Resistive Amps: 35A
Voltage Balance: 2-5%
Minimum Wire to Device Load: 2 AWG
Form Factor: Rectangular Enclosure on Skid Mount Cart

Ratings/Approvals

Indoor or Outdoor Use (NEMA 3R)
Built-in Pony Motor Starter
Start/Stop Push Button Switch
Accurate Voltage Balancing
Power Indicator Light
Made in the USA

Special Orders - Special Requirements

Mount: Skid Cart

Weight: - lbs

Dimensions: -

Shipping Weight: - lbs

Shipping Dimensions: -

Contact us for special requirements

Toll Free: 1-800-369-6671

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Made in the USA

The Larson Electronics MTPC-HD-RB-PYM-480V-50HP-25HP-N3R rotary phase converter is designed convert single phase power to three phase power for hard motor loads. This phase converter accept single-phase 480V input and provides a three-phase 480V output. Operators may use this rotary pha converter to power equipment and machines with hard motor loads up to 25 horsepower and 32.75 that require three phase power in locations where only single phase power is available. Equipped wi pony motor, this NEMA 3R system is secured on a skid mount cart.

Applications: The MTPC-HD-RB-PYM-480V-50HP-25HP-N3R is ideal for applications that utilize hard motor loa includes CNC lathe, CNC mill, CNC router, CNC turning machine, CNC waterjet, cooling fan, exhaust fan, gearhe lathe, industrial fan, intake fan, ventilation fan, and any other application that induces a hard motor load up to recommended 25 horsepower.

The MTPC-HD-RB-PYM-480V-50HP-25HP-N3R rotary phase converter is suitable for converting single phase 480 site power to three phase 480V power for equipment. This 50 HP idler motor phase converter connects to existi single phase. After conversion, the phase converter provides three-phase 480V on the output side at 32.75 con amps with a maximum of 57.5 inrush amps. All MTPC series phase converters provide +/- 2-5% voltage balanc output side, depending on the single phase input power. This rotary phase converter features a built-in motor s with a start/stop push button switch for seamless activation. The power distribution blocks are oversized for eas installation in the preferred location.

This unit is equipped with a small pony motor to ease system start up and offers low amp surge. The pony mot connected to the idler motor using a v-belt. At start up, power is first applied to the pony motor which mechani helps the idler motor reach the required operating speed. After reaching the required idler motor speed (and wi idler motor running), power is removed from the pony motor.

The MTPC-HD-RB-PYM-480V-50HP-25HP-N3R control panel is housed in a NEMA 3R enclosure, making it suitab indoor and outdoor environments. This level of protection allows the rotary phase converter to withstand the in solid objects, such as falling dirt, water, debris and moisture. All system components are secured on a skid mou for mobility around work sites. All of Larson Electronics LLC`s phase converter control panels are NRTL certified 508A.

Rotary Sizing: The MTPC-HD-RB-PYM-480V-50HP-25HP-N3R is sized for heavy/hard motor loads.

At Larson Electronics, we do more than meet your lighting and power distribution needs. We also provide replac retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any li 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 busines 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about c custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)


CAUTION
HIGH VOLTAGE

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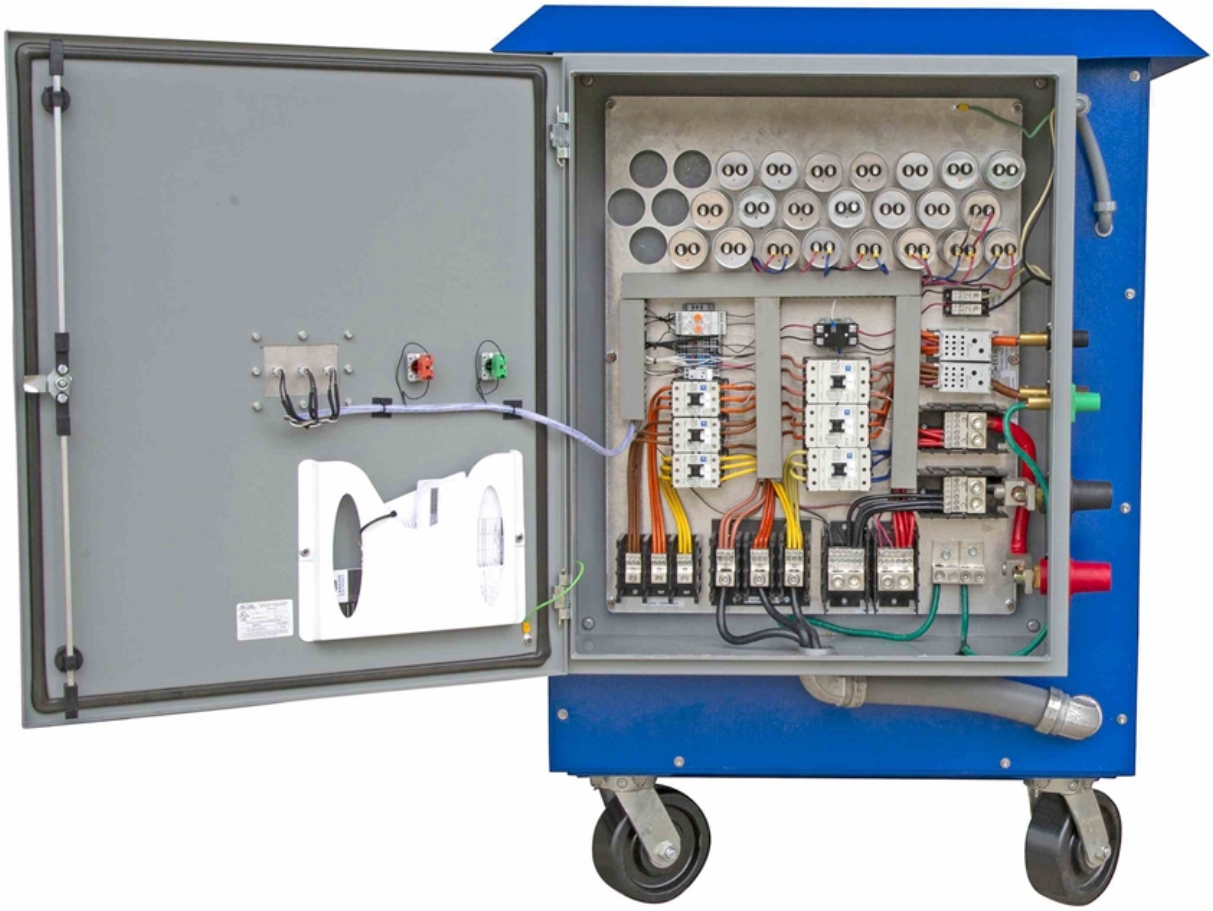
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Product ID: 280654

Export Control Classification Number (ECCN): EAR99

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