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HAL-MTPC-MD-RB-220V-7.5HP-5HP-N3R

C1D2 Hazloc Rotary Phase Converter,5HP Medium Load, 220V 1PH to 3PH, 14.3A Output, 7.5HP Idler

Product ID: 244876

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.

HAL-MTPC-MD-RB-220V-7.5HP-5HP-N3R Rotary Phase Converter

Unit Type: Rotary Phase Converter
Phase Conversion: Single Phase to Three Phase
Kilowatt Rating: 5.6 KW
Kilo Volt-Amp Rating: 7.5 KVA
Idle Motor Horse Power: 7.5 HP
Single Phase Voltage Input: 220V
Minimum Fuse/Circuit Breaker Size: 20
Maximum Fuse/Circuit Breaker Size: 40
Minimum Wire (Input) to Converter: 8 AWG
Minimum Electrical Service Required: 10 KVA
Idle Amps: -
Service Load Type: Medium motor loads
Three Phase Voltage Output: 220
Maximum Single Motor Load HP: 5 HP
Recommended Combined HP: 5 HP
Optimal Output Amps: 14.3A
Maximum Output Amps: 22A
Maximum Resistive Amps: 10A
Voltage Balance: 2-5%
Minimum Wire to Device Load: 10 AWG
Form Factor: Rectangular Enclosure, Cylindrical Idler w/ Four Legs
Color: Natural Gray
Weight: - lbs

Ratings/Approvals

NRTL Certified to United States & Canada Standards
Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups F & G
T2B Temperature Rating
Indoor/Outdoor Use (NEMA 3R)
Built-in Motor Starter
Start/Stop Push Button Switch
Accurate Voltage Balancing
Power Indicator Light
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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Dimensions: -

Shipping Weight: - lbs

Shipping Dimensions: -

Intl: 1-903-270-1187

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Made in the USA

The Larson Electronics HAL-MTPC-MD-RB-220V-7.5HP-5HP-N3R 7.5 horsepower hazardous location phase converter is designed to convert single phase power to three phase power for Medium motor This phase converter accepts a single-phase 220V input and provides a three-phase 220V output. Operators may use this rotary phase converter to power equipment and machines with Medium mot loads up to 5 horsepower and 14.3 amps that require three phase power in hazardous (classified) locations where only single phase power is available and flammable gases, vapors, or dusts stand th potential to exist.

Applications: The HAL-MTPC-MD-RB-220V-7.5HP-5HP-N3R is ideal for applications that utilize Medium motor l within Class I, Division 2 and Class II, Division 2 hazardous locations. This includes band saw, battery charger, grinder, broom maker, car wash water pump, coffee roaster, commercial blender, commercial mixer and mixing machines, conveyer belt, crane, dough mixer, dry cleaning equipment, electrical discharge machine (EDM), elev feed mixer, fuel pump, gasoline pump, grain bucket elevator, grain conveyer, grain dryer, grain mixer, hoist, hy metal press, hydraulic metal sheer, Industrial grinder, injection molding, ironworker, irrigation center pivot syst irrigation pump, jet fuel pump, lawn pump, machining center, manual lathe, meat grinder, meat saw, paint boo paper cutter, paper shredder, pipe machine, pizza mixer, pizza oven, plasma cutter, plastic pump, printer, radio transmitter, refrigerator, ribbon blender, rock crusher, rotisserie, sewage pump, sewing machine, shaper, sprin submersible pump, swimming pool pump, turning machine, vacuum pump, wastewater pump, water pump, wel wheel balancer, wide belt sander, x-ray machine and any other application that induces a Medium motor load u recommended 5 horsepower.

The HAL-MTPC-MD-RB-220V-7.5HP-5HP-N3R rotary phase converter is suitable for converting single phase 220 site power to three phase 220V power for equipment. This 7.5 HP idler motor phase converter connects to exist 220V single phase. After conversion, the phase converter provides three-phase 220V on the output side at 14.3 continual amps with a maximum of 22 inrush 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 st the motor. This rotary 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 HAL-MTPC-MD-RB-220V-7.5HP-5HP-N3R control panel is housed in a NEMA 3R / NEMA 4X enclosure, makin suitable for indoor and outdoor environments. This level of protection allows the rotary phase converter to withs the ingress of solid objects, such as falling dirt. All of Larson Electronics LLC`s phase converter control panels a certified to UL 508A. The HAL-MTPC series of specifically designed for C1D2 and C2D2 applications within classi (hazardous) areas.

The MTPC series of rotary phase converters are designed to operate based on overall load size. This includes op multiple devices from one rotary phase converter, providing the combined horsepower of all devices being oper simutaniously does not exceed the horsepower rating for the load type. This includes fractional motors up to 5 h motors, and any combination of motor sizes in between. Instant reversal motors are no problem for the MTPC s phase converters. Each phase converter comes ready to install.

Rotary Sizing: The HAL-MTPC-MD-RB-220V-7.5HP-5HP-N3R is sized for heavy/hard motor loads up to 5 horse When correctly sized, Larson Electronics phase converters will provide years of trouble free service for your equ Larson Electronics offers single phase to three phase static and rotary phase converters for easy, medium, hard very hard motor loads. The motor load is dependant on the devices intended to operate on the phase converter additional load types or for additional sizes, please see the below links or call us today.

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.

Frequently Asked Questions (FAQ)

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Product ID: 244876

Warranty: 6 Months

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**