

# MINIPHASE® STATIC PHASE CONVERTER FOR LIGHT DUTY MACHINE TOOL MOTOR LOADS

TYPE MP

*The World Leader in Single to Three-Phase Electric Power Conversion*

## High Performance

Light, inexpensive, and easy to install, the Type **MP Miniphase** static converter is the best way to operate light-duty 3-phase machine tools from a 1-phase source. A **Miniphase** converter is ideal for single-motor equipment, such as milling machines, saws, grinders, drills and many other loads<sup>1</sup>. Plus, you get the same engineered quality, operating capability, attentive service, and thorough documentation that have made **Phasemaster** rotary converters the industry leader in phase conversion.

## Ratings

The **Type MP Miniphase** static phase converter is designed to operate lightly-loaded *single* motor machinery from ¼ to 10 HP.

The **Miniphase** converter will operate 208-240 volt, 3-phase machines from a 208 or 240 volt 1-phase input at 50 or 60Hz. It is not designed for 460 volt operation. Consult Kay Industries for 208 volt applications when input voltage is 240 or where 208 volt, 4-wire output is required.

## Superior Features at Low Cost

- ✓ Develops up to 90% of motor nameplate HP
- ✓ Large and easily accessible wiring compartment
- ✓ Built-in self protecting circuit breaker
- ✓ Installs in minutes - 2 wires in, 3 wires out
- ✓ Pre-punched mounting holes and knockouts
- ✓ Precision engineered and crafted in USA
- ✓ Money back performance guarantee
- ✓ Two year warranty

<sup>1</sup> A static phase converter is not suitable for heaters, resistance or rectifier loads. Further it is not recommended for two-speed motors, pumps, fans, refrigeration equipment or multiple motor applications where more than one motor will be operated simultaneously. For these loads, we recommend the Phasemaster rotary converter.



All Miniphase Static converters measure 13.5" high, 9.63" wide and 3.63" deep

## Selection and Operating Guidelines

- Select converter based on the motor HP rating
- **Do not** oversize the converter. It will not help.
- Load should not exceed 85% of rated motor HP
- Always start machinery unloaded if possible
- Consult factory on U-frame motor applications
- Use the heavy duty **Miniphase** for 3600 RPM motors or hard starting loads.
- Do not use **Miniphase** on loads which average more than 6 starts per hour.

### Standard Duty for 1800 RPM Motors

Model	Motor HP	Ship Wt.
MP-75	¼-¾	8#
MP-100	1	9
MP-200	1½-2	9
MP-500	3-5	10
MP-1000	7½-10	13

### Heavy Duty for 3600 RPM Motors

Model	Motor HP	Ship Wt.
MP-501	2-5	15
MP-1001	7½	15

These converters contain an adjustable timer control to extend the starting circuit cycle time on difficult loads.



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