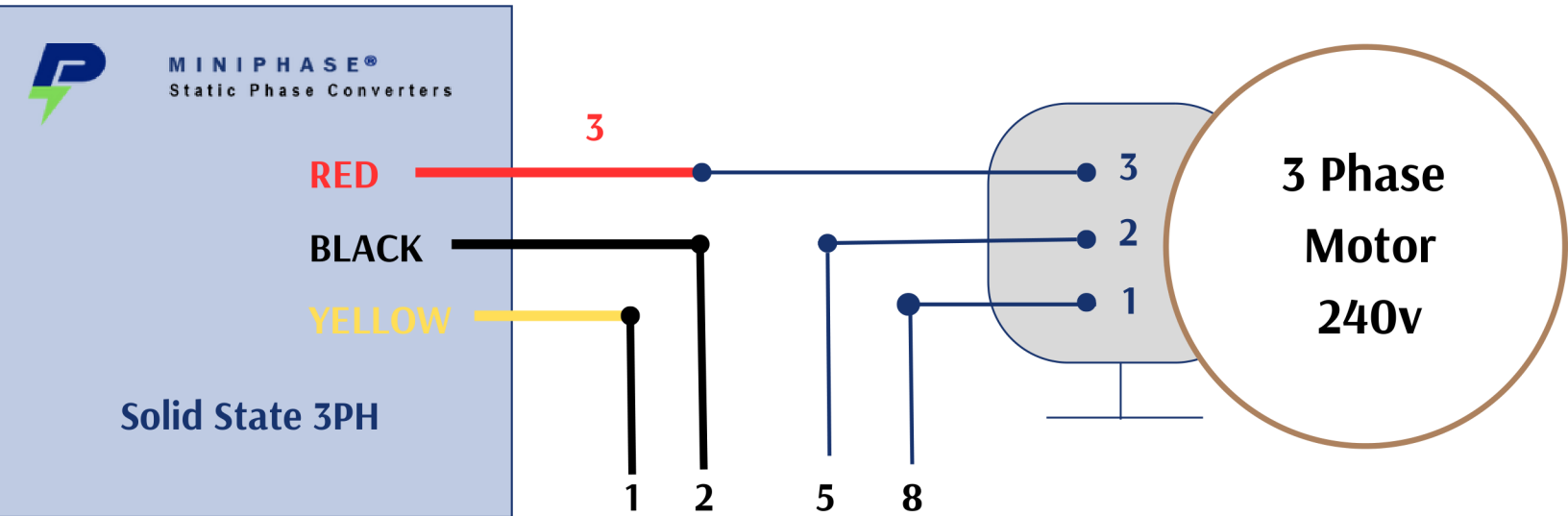




MINIPHASE® Static Phase Converters



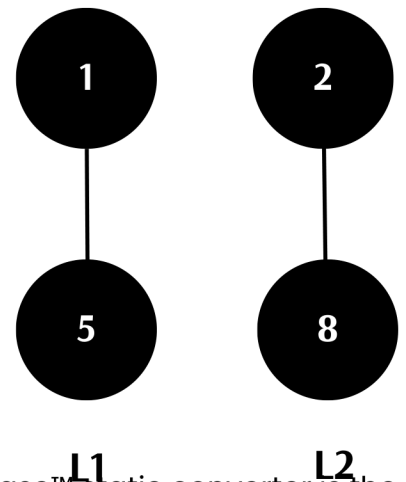
Unique from standard static converters, the Miniphase™ uses Kay Industries engineering knowledge, proprietary Phazpak™ Boost Start Capacitors, and other solid state reliable components in a durable, lightweight, power-coated enclosure to create the highest quality design and performance 3PH static converter in the industry.



Miniphase Solid State Static Converters

240v Single Phase Connection

Miniphase™ static converters work well on most single motor applications except those that require longer than a 3-second start-up time such as a wheel balancer. Miniphase™ is NOT recommended for motor applications requiring 100% of the motor rated HP continuously. This problem can be solved on many applications by simply reducing the motor pulley size by at least 20 to 30%. Full load and multi-motor applications see Phasemaster® Rotary Phase Converters. See instructions for cautions and limitations.



High Performance

Lightweight, inexpensive, and easy to install, the Miniphase™ static converter is the best way to operate light-duty 3PH machine tools from a 1 PH source.

A Miniphase™ converter is ideal for single motor equipment, such as drills, grinders, milling machines, saws, and other loads*. Best of all, you get the same engineered quality, operating capability, attentive service and documentation that have made Kandlestick™, Miniphase™, and Phasemaster™ brands the industry leader in phase conversion.

Features

- Low Cost
- Solid State
- Sealed
- Easy Installation
- Automatic
- Reversible
- Electronically Protected
- Small Size

Ideal Applications

- Metal Working
- Farm Equipment
- Food Processing
- Saws
- Presses
- Wood Working
- Conveyors
- Air Compressors*

*Must reduce motor pulley by at least 20 to 30%

Cautions

- Miniphase™ Static converter and the motor must be wired to load side of starter or switch.
- Open master breaker and disconnect all leads from power source before installation or servicing to avoid electric shock hazard.
- Follow all (OSHA) (NECA) requirements. Only qualified electric motor personnel familiar with the operation of Miniphase™ static converters should perform installation and servicing.

Do Not Use With:

- Air Compressors
- CNC Machines
- Fans/Blowers
- Heaters
- Large Flywheels
- Motor Pre-1965
- Plasma Cutters
- Pumps
- 2 Speed Motors
- Welders

Notes

- Install as close to the motor as possible
- Instant reversing is NOT recommended
- NEVER add switchgear between motor and Miniphase™
- Do Not use on explosion proof motors
- Do NOT use on Life Support applications
- Do Not use on flywheel or long-start-up

Installation

1. Install converter and capacitors in proper enclosure
2. Make sure the motor is connected to the 240 V
3. Connect converter and capacitors as shown
4. The phase converter becomes part of the motor. The converter and capacitor must be wired directly onto motor leads. Do not connect any switchgear between the converter unit and the motor. Wire converter and capacitor to motor side of starter contactor. Never wire to line side of starter contactor or other starting devices
5. Use L1 and L2 to operate all electrical switchgear.
6. If your machine uses a starter with three phase thermal overload you must change your thermal overload to single phase or bypass thermal and simply fuse your motor
7. Fuse L1 and L2 at 1.5 times nameplate amps with dual element time delay fuses

Model	HP	Ship Weight	Class	Size
MP-75	1/4	8 lbs	A	4 X 8 X 10
MP-75	1/3	8 lbs	B	
MP-75	1/2	8 lbs	C	
MP-75	3/4	8 lbs	D	
MP-100	1	9 lbs		
MP-200	1.5	9 lbs	A	
MP-200	2	9 lbs	B	4 X 10 X 12
MP-500	3	10 lbs	A	
MP-500	5	10 lbs	B	
MP-1000	7.5	13 lbs	A	
MP-1000	10	13 lbs	B	

Use the chart above to determine which model is needed for your motor. Motors at or below 900 rpm CONSULT FACTORY