

# PHASEMASTER® ROTARY PHASE CONVERTER WITH BUILT-IN DISCONNECT SWITCH

TYPE MA-R

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

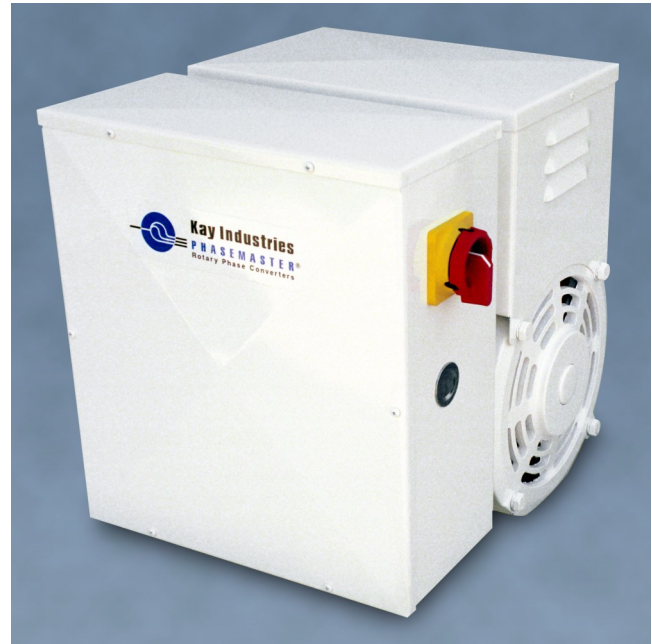
## DESCRIPTION:

The PHASEMASTER Type MA-R rotary phase converter is a highly reliable source of 3-phase power from any 1-phase supply. It features a completely self-contained disconnect switch along with fuses and terminal blocks to minimize installation time and provide a safe method of electrical isolation.

When connected to a 230 volt 1-phase line, it produces a near replica of utility 3-phase at its output terminals with each phase shifted 120 degrees. The converter is ideal for applications where utility 3-phase is not available or is too expensive to obtain. It will operate ANY 3-phase load including pumps, woodworking equipment, machine tools, heaters, elevators, mixers, hoists, air conditioners, and many more. Converter system efficiency exceeds 95%.

## CONSTRUCTION:

The TYPE MA-R converter is a *rotary* design which produces *true* 3-phase power at its output terminals. It is capable of starting and providing a closely balanced current into one or more motors simultaneously. In addition it features a side-mounted control panel which contains the input-output terminals, disconnect switch and fuses to protect the converter.



Model MA-1-R, 5HP converter, compact and ready to install

## INSTALLATION & MAINTENANCE:

The converter can be connected to any existing 1-phase service. It is as simple as "2 wires in and 3 wires out." The converter can be installed most anywhere and does not have to be bolted down. Occasional lubrication and overall inspection are the only maintenance procedures required.

## SIZING AND ORDERING INFORMATION:

The sizing tables are useful for most applications. However, motor designs and operational characteristics vary widely among manufacturers, so some motors require a larger converter. It is advisable to consult a factory representative before making a final selection. The following information is required for proper sizing:

- ◆ Load equipment description and manufacturer
- ◆ HP/KW, voltage rating and motor nameplate data
- ◆ Starting load HP/KW and running load HP/KW

## OUTPUT:

All units are factory wired for 230 Volts. 460 Volt units are available on request. Consult factory for 208 volt applications or for 208 volt 4-wire output.

## OPTIONAL EQUIPMENT:

- ◆ Enclosures for weather protection
- ◆ Step up transformers for 230-380-460 Volts

