

PHASEMASTER AUTOMATIC 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. The converter system efficiency exceeds 95%.

CONSTRUCTION:

The TYPE MA-R converter is a *rotary* design in 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 following sizing table is 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.



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