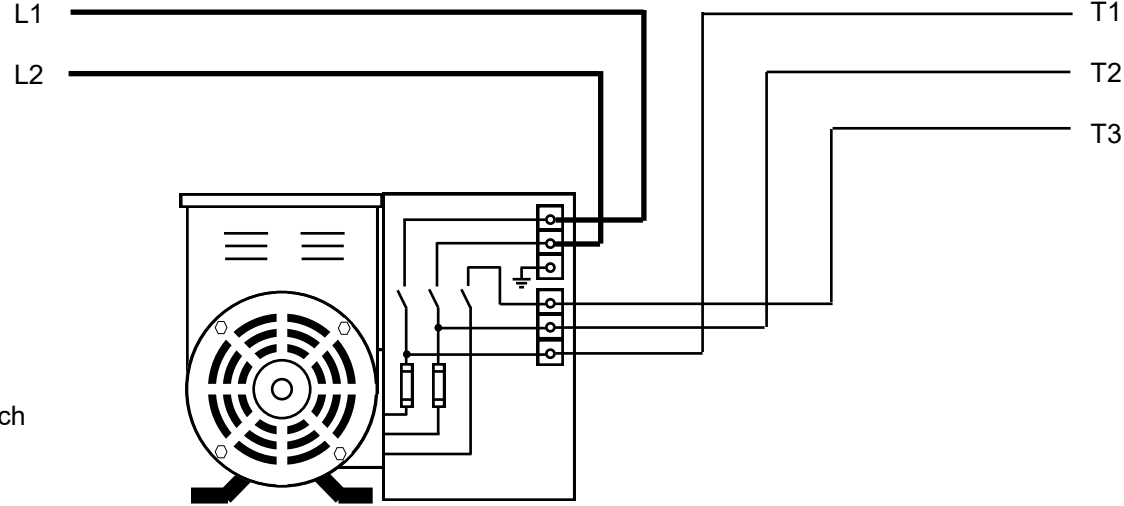


**Single-Phase
Input from
Main Utility
Supply Panel**

208, 230 or
460 Volts

See Section III Pg 4
For Branch Circuit Sizing

Phasemaster® Type MA-R
Rotary Phase Converter
with built-in disconnect switch
and fuses



**Three-Phase
Output to
Load**

Output voltage
equals
3-phase
equivalent of
input voltage

See Note 4

WIRE SIZE SELECTION CHART

Model No.	Start HP	230 Volts				460 Volts			
		Switch*	Fuse*	1-Ph Cable	3-Ph Cable	Switch*	Fuse*	1-Ph Cable	3-Ph Cable
SD-60-R	1.5	30	10	#12	#12	30	10	#12	#12
MA-00-R	2	30	15	10	12	30	10	12	12
MA-0-R	3	30	20	8	10	30	10	10	12
MA-1-R	5	30	30	8	10	30	15	10	12
MA-1B-R	7.5	60	35	6	8	30	15	8	12
MA-2-R	10	60	40	4	8	30	20	8	10
MA-3-R	15	60	60	1	6	30	30	6	10
MA-4-R	20	100	80	1/0	4	60	40	4	8
MA-5-R	25	100	100	3/0	4	60	50	2	6
MA-6-R	30	200	125	4/0	2	60	60	1/0	6

INSTALLATION NOTES

1. This diagram does not replace or supersede any requirements of local, state or national electric codes.
2. Fuses are supplied with converter. Use only dual element time delay fuses as replacements.
3. Do not bolt converter to floor. Use vibration pads supplied with unit.
4. Do not connect control circuits to manufactured phase, T3.
5. No-load output voltage L2-T3 will exceed L1-L2 by 12-15%. Voltages will balance when load is connected.
6. If input voltage exceeds 240V, refer to Section II page 3.

* Supplied with converter

Wiring Notes: This table is based on utilizing the converter at approximately 150% of start rating, it is conservative and applies in 95% of all installations. For total loads exceeding 150% of start rating, contact Kay Industries.

- Conductor sizes based on type THHN, 90° C, copper in 30° C max. ambient. Adjust conductor size accordingly for different wire types.
- Increase wire size for Aluminum conductors or runs in excess of 50 feet.
- Consult National Electric Code for runs in excess of 50 feet or for aluminum conductors.

**Connection Diagram for Phasemaster MA-R
Rotary Phase Converter with built-in
Switch and Fuses**

0302-MAR