

## Rotary Phase Converter Electrical Specifications | Model size: 7000-74

TEMCo Heavy Duty Rotary Phase Converters provide utility quality 3-phase power converted from single phase power. TEMCo's world class products are being used throughout the US and internationally every day.

### Common single to 3-phase conversion uses include:

- Machine Shops
- Woodworking
- Farm Equipment
- Restaurant Equipment
- Petrochemicals
- Home Hobbyist
- Oil Fields
- Irrigation
- High Tech
- Military
- Aerospace Industry
- Hospitals

TEMCo products meet the demands of tough industrial applications with dependability and quality.

### Why choose TEMCo for your single to three phase needs?

- Run 3-phase equipment on single phase with a TEMCo Phase Converter.
- Rotary Higher quality lasts longer.  
With minimal maintenance, requiring only periodic bearing grease, life expectancy is Indefinite.
- TEMCo is a member of the Better Business Bureau.  
TEMCo is a company you can trust.
- Quiet & smooth operation  
TEMCo's Phase Converters are known for their unusually cool, smooth and quiet running characteristics.
- Every TEMCo Phase Converter carries a 6-Year Warranty.  
In fact, it's the longest warranty available, unparalleled industry wide.
- Proudly Made in the U.S.A.

Table no. 1

Series 7000 Model Sizes

|                                  |   |
|----------------------------------|---|
| 1-phase input voltage            | 208-240V or 440-480V *                  |
| 1-phase input frequency          | 60 Hz                                   |
| 3-phase output voltage           | = 1 phase Volts + 5% on L3 (non Loaded) |
| 3-phase output frequency         | 60 Hz                                   |
| 3-phase output voltage tolerance | ±5%                                     |
| 3-phase output phase angle       | 120°                                    |
| Rating                           | 40C amb.-cont.                          |
| Ambient humidity                 | <95% (non-condensing)                   |
| Maximum altitude                 | 3300 ft above sea level (see note 2)    |
| Enclosure                        | Type 1                                  |

Table no. 2

Model

|                                | 230V                 | 460V                 |
|--------------------------------|----------------------|----------------------|
|                                | 7000-74              | 7000-74              |
| Continuous 3-phase output amps | 117 amps             | 58.5 amps            |
| Continuous kW output           | 37.3 kW              | 37.3 kW              |
| Peak 1-phase amps required     | 202.6 amps           | 101.3 amps           |
| Approximate 1-phase idle amps  | 30 amps              | 15 amps              |
| 1-phase breaker recommended    | 225 amps             | 125 amps             |
| 1-phase fuse recommended       | 225 amps(see note 1) | 125 amps(see note 1) |
| Recommended 1-phase wire size  | 350 kcmil            | 2/0 AWG              |
| Recommended 3-phase wire size  | 3/0 AWG              | 3 AWG                |



\* The default factory voltage configuration in this model is 208-240V. Units to be operated on 440-480V are built to order.

**Note 1:** Use only non time-delay fuses to protect TEMCo series 7000 Phase Converters

**Note 2:** De-rate TEMCo Phase Converter 20% for installation above 3300 feet altitude.

### Call to order

Inside USA:  
(800) 613-2290

USA & International:  
(510) 490-2187

Fax:  
(510) 490-2187

web:  
www.phaseconverter.com

e-mail:  
info@phaseconverter.com