

## Rotary Phase Converter Electrical Specifications | Model size: 7000-165

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



\* 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.

**Note 3:** Wire size given is based on minimum 90°C wire insulation class, copper conductors and maximum loaded conditions.

Table no. 2

Model

	230V	460V
	7000-165	7000-165
Continuous 3-phase output amps	258 amps	129 amps
Continuous kW output	82 kW	82 kW
Peak 1-phase amps required	446.8 amps	223.4 amps
Approximate 1-phase idle amps	66 amps	33 amps
1-phase breaker recommended	450 amps	225 amps
1-phase fuse recommended	450 amps(see note 1)	225 amps(see note 1)
Recommended 1-phase wire size	900 kcmil(see note 3)	350 kcmil(see note 3)
Recommended 3-phase wire size	250 kcmil(see note 3)	3/0 AWG

### 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
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