

Rotary Phase Converter Electrical Specifications | Model size: 7000-55

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 7000-55 | 460V 7000-55 |
| Continuous 3-phase output amps | 93 amps | 46.5 amps |
| Continuous kW output | 28 kW | 28 kW |
| Peak 1-phase amps required | 161.1 amps | 80.5 amps |
| Approximate 1-phase idle amps | 20 amps | 10 amps |
| 1-phase breaker recommended | 175 amps | 90 amps |
| 1-phase fuse recommended | 175 amps(see note 1) | 90 amps (see note 1) |
| Recommended 1-phase wire size | 250 kcmil | 1 AWG |
| Recommended 3-phase wire size | 1/0 AWG | 4 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

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