

TEMCo

The most trusted name in phase converters

Tower Electric Motor Company

Rotary Phase Converter Electrical Specifications | Model size: 6000-44KW

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 6000 Model Sizes |
|----------------------------------|--|
| 1-phase input voltage | 208-240V or 440-480V * |
| 1-phase input frequency | 60 Hz |
| 3-phase output voltage | = 1 phase Volts + 10% on L3 (non Loaded) |
| 3-phase output frequency | 60 Hz |
| 3-phase output voltage tolerance | ±10% |
| 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 6000-44KW | 460V 6000-44KW |
| Maximum Medium run or start HP | 30 HP | 30 HP |
| Maximum Hard run or start HP | 20 HP | 20 HP |
| Maximum recommended group load HP | 40 HP | 40 HP |
| Continuous 3-phase output amps | 108 amps | 54 amps |
| Peak 3-phase output amps | 144 amps | 72 amps |
| Peak kW output | 44 kW | 44 kW |
| Peak 1-phase amps required | 250 amps | 125 amps |
| Approximate 1-phase idle amps | 18 amp | 9 amps |
| 1-phase breaker recommended | 250 amps | 125 amps |
| 1-phase fuse recommended | 250 amps (see note 1) | 125 amps (see note 1) |
| Recommended 1-phase wire size | 3/0 AWG | 2 AWG |
| Recommended 3-phase wire size | 1 AWG | 6 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 this TEMCo Phase Converter

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

Call to order

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