

TEMCo

The most trusted name in phase converters

Tower Electric Motor Company

Rotary Phase Converter Electrical Specifications | Model size: 6000-21KW

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 6000-21KW	460V 6000-21KW
Maximum Medium run or start HP	15 HP	15 HP
Maximum Hard run or start HP	10 HP	10 HP
Maximum recommended group load HP	20 HP	20 HP
Continuous 3-phase output amps	54 amps	27 amps
Peak 3-phase output amps	72 amps	36 amps
Peak kW output	21 kW	21 kW
Peak 1-phase amps required	125 amps	62.5 amps
Approximate 1-phase idle amps	10 amp	5 amps
1-phase breaker recommended	125 amps	60 amps
1-phase fuse recommended	125 amps (see note 1)	60 amps (see note 1)
Recommended 1-phase wire size	2 AWG	6 AWG
Recommended 3-phase wire size	6 AWG	10 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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